

**Capco** 青山發電有限公司  
Castle Peak Power Co. Ltd.

 **港燈**  
HK Electric

 **HKLTL**

## Hong Kong Offshore LNG Terminal Project

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

14 January 2021

Project No.: 0505354

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## Signature Page

14 January 2021

# Hong Kong Offshore LNG Terminal Project

Monthly Environmental Monitoring and Audit (EM&A) Report for  
December 2020



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**Hong Kong Offshore LNG Terminal  
Environmental Certification Sheet**  
**FEP-01/558/2018/A, FEP-02/558/2018/A and FEP-03/558/2018**


**Reference Document/Plan**

Document/ <del>Plan</del> to be Certified/ <del>Verified</del> :	Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020
Date of Report:	14 January 2021
Date prepared by ET:	14 January 2021
Date received by IEC:	14 January 2021


**Reference EP Requirement**

EP Condition:	Condition No. 5.4 of FEP-01/558/2018/A, FEP-02/558/2018/A & FEP-03/558/2018
Content:	<i>Monthly EM&amp;A Report</i>
The Permit Holder shall submit 3 hard copies and 1 electronic copy of Monthly EM&A Reports to the Director, within 2 weeks after the end of the reporting month.	

**ET Certification**

I hereby certify that the above referenced document/ <del>plan</del> complies with the above referenced condition of FEP-01/558/2018/A, FEP-02/558/2018/A & FEP-03/558/2018.	
Mr Raymond Chow, Environmental Team Leader:	 Date: 14 January 2021

**IEC Verification**

I hereby verify that the above referenced document/ <del>plan</del> complies with the above referenced condition of FEP-01/558/2018/A, FEP-02/558/2018/A & FEP-03/558/2018.	
Mr Arthur Lo, Independent Environmental Checker:	 Date: 14 January 2021



## CONTENTS

<b>EXECUTIVE SUMMARY .....</b>	<b>1</b>
<b>1. INTRODUCTION .....</b>	<b>2</b>
1.1 Background.....	2
1.2 Scope of the EM&A Report.....	2
1.3 Organisation Structure.....	2
1.4 Summary of Construction Activities .....	3
1.5 Summary of EM&A Programme Requirements .....	3
1.6 Status of Other Statutory Environmental Requirements .....	5
<b>2. EM&amp;A RESULTS.....</b>	<b>6</b>
2.1 Environmental Site Inspection .....	6
2.2 Waste Management Status.....	6
2.3 Marine Mammal Monitoring .....	8
2.3.1 Monitoring Requirements.....	8
2.3.2 Action and Limit Levels for Marine Mammal Monitoring.....	8
2.3.3 Monitoring Schedule for the Reporting Period .....	9
2.3.4 Monitoring Results .....	9
2.4 Marine Mammal Exclusion Zone Monitoring.....	10
2.4.1 Monitoring Requirements.....	10
2.4.2 Monitoring Results .....	10
2.5 Records of Operating Speeds and Marine Travel Routes of Working Vessels.....	10
2.6 Implementation Status of Environmental Mitigation Measures .....	10
2.7 Summary of Exceedances of the Environmental Quality Performance Limit .....	10
2.8 Summary of Environmental Complaints, Notification of Summons and Successful Prosecutions	11
<b>3. FORECAST FOR THE NEXT REPORTING PERIOD .....</b>	<b>12</b>
3.1 Works Programme for the Next Reporting Period.....	12
3.2 Monitoring Schedule for the Next Reporting Period.....	12
<b>4. CONCLUSION AND RECOMMENDATIONS .....</b>	<b>13</b>

## Annexes

Annex A	Project Organisation
Annex B	Construction Programme
Annex C	Environmental Mitigation Implementation Schedule (EMIS)
Annex D	Status of Statutory Environmental Requirements
Annex E	Waste Management Checklist
Annex F	Waste Flow Table
Annex G	Vessel-based Line Transect Survey Results
Annex H	Event and Action Plan for Marine Mammal Monitoring
Annex I	Cumulative Statistics on Exceedances, Environmental Complaints, Notification of Summons and Successful Prosecutions
Annex J	Monitoring Schedule for the Reporting Period
Annex K	Tentative Schedule for the Next Reporting Period
Annex L	Records of Operating Speeds and Marine Travel Routes of Working Vessels

## List of Tables

Table 1.1	Contact Information of Key Personnel .....	3
Table 1.2	Major Construction Activities Undertaken in the Reporting Period.....	3
Table 1.3	Summary of Status for the EM&A Programme under the Updated EM&A Manual .....	4
Table 2.1	Key Observations from Site Inspections and Contractor's Follow-up Actions.....	6

Table 2.2	Quantities of Waste Generated for FEP-01/558/2018/A .....	7
Table 2.3	Quantities of Waste Generated and Dredged Marine Sediment for FEP-02/558/2018/A7	
Table 2.4	Quantities of Waste Generated and Dredged Marine Sediment for FEP-03/558/2018... 8	
Table 2.5	Action and Limit Levels for Marine Mammal Monitoring .....	9
Table 2.6	Monthly STG and ANI for Finless Porpoise .....	9
Table 2.7	Marine Mammal Exclusion Zone Requirements .....	10
Table 3.1	Major Construction Activities for the Next Reporting Period.....	12

### List of Figures

Figure 1.1	Indicative Location of Key Project Components
Figure 1.2	Location and Works Area of GRS at BPPS
Figure 1.3	Location and Works Area of GRS at LPS
Figure 2.1	Vessel-based Marine Mammal Survey Location
Figure 2.2	Underwater PAM Survey Location
Figure 2.3	Distribution of Finless Porpoise Sightings in December 2020

## EXECUTIVE SUMMARY

To support the increased use of natural gas in Hong Kong from 2020 onwards, Castle Peak Power Company Limited (CAPCO) and The Hongkong Electric Co., Ltd. (HK Electric) have identified that the development of an offshore liquefied natural gas (LNG) receiving terminal in Hong Kong using Floating Storage and Regasification Unit (FSRU) technology ('the Project') presents a viable additional gas supply option that will provide energy security through access to competitive gas supplies from world markets. The Project will involve the construction and operation of an offshore LNG import facility to be located in the southern waters of Hong Kong, a double berth jetty, and subsea pipelines that connect to the gas receiving stations (GRS) at the Black Point Power Station (BPPS) and the Lamma Power Station (LPS). To demarcate the works between different parties, the following Further Environmental Permits (FEPs) were issued for the Project:

- the double berth jetty at LNG Terminal under the Hong Kong LNG Terminal Limited (HKLTL), joint venture between CAPCO and HK Electric (FEP-01/558/2018/A) – construction commenced on 27 November 2020;
- the subsea gas pipeline for the BPPS and the associated GRS in the BPPS under CAPCO (FEP-03/558/2018) – construction commenced on 23 September 2020; and
- the subsea gas pipeline for the LPS and the associated GRS in the LPS under HK Electric (FEP-02/558/2018/A) – construction commenced on 13 December 2020.

This is the Monthly EM&A Report presenting the EM&A works carried out during the period from 1 to 31 December 2020 for the Project in accordance with the Updated EM&A Manual. A summary of monitoring and audit activities conducted in the reporting period is listed below:

Activities	Number of Sessions
<b><i>For FEP-01/558/2018/A</i></b>	
Marine Mammal Monitoring (vessel-based line transect survey)	6
Passive Acoustic Monitoring (C-POD deployment)	Ongoing
Marine Mammal Exclusion Zone Monitoring	During percussive piling works for construction of Jetty
Environmental Site Inspection	1
<b><i>For FEP-03/558/2018</i></b>	
Environmental Site Inspection	4

Environmental auditing works, including regular site inspections of construction works conducted by the ET, audit of implementation of Waste Management Plan and review of the acceptability of operating speeds and marine travel routes of working vessels were conducted in the reporting period. No non-compliance of environmental statutory requirements was identified.

### Breaches of Action and Limit Levels

Since there were no construction activities conducted in the reporting period requiring impact monitoring of marine water quality in accordance with the Updated EM&A Manual, there were no breaches of Action and Limit Levels for marine water quality monitoring in the reporting period.

As only one month vessel-based marine mammal survey data is available, running quarterly values of encounter rate in terms of STG & ANI were not available for comparison against the Action and Limit

Levels. Therefore, there were no breaches of Action and Limit Levels for marine mammal monitoring in the reporting period.

### Environmental Complaints, Notification of Summons and Successful Prosecution

There were no environmental complaints, notification of summons and successful prosecutions recorded in the reporting period.

### Reporting Changes

There were no reporting changes in the reporting period.

### Forecast of Impact Predictions

As informed by the Contractor, construction activities to be undertaken in the next reporting period of January 2021 include the following:

FEP	Land-based Works	Marine-based Works
FEP-01/558/2018/A	<ul style="list-style-type: none"><li>Nil</li></ul>	<ul style="list-style-type: none"><li>Nil</li></ul>
FEP-02/558/2018/A	<ul style="list-style-type: none"><li>Nil</li></ul>	<ul style="list-style-type: none"><li>Pre-trenching; and</li><li>Pipe-laying</li></ul>
FEP-03/558/2018	<ul style="list-style-type: none"><li>Excavation for Foundation - Pipe Rack; and</li><li>Plate Load Test - Satellite Instrument Enclosure</li></ul>	<ul style="list-style-type: none"><li>Nil</li></ul>

Potential environmental impacts arising from the above upcoming construction activities in the next reporting period of January 2021 are mainly associated with dust emission from construction activities and stockpiles, waste management, site surface runoff, wastewater discharge and elevation in suspended solids due to marine-based works.

## 1. INTRODUCTION

### 1.1 Background

To support the increased use of natural gas in Hong Kong from 2020 onwards, Castle Peak Power Company Limited (CAPCO) and The Hongkong Electric Co., Ltd. (HK Electric) have identified that the development of an offshore liquefied natural gas (LNG) receiving terminal in Hong Kong using Floating Storage and Regasification Unit (FSRU) technology ('the Project') presents a viable additional gas supply option that will provide energy security through access to competitive gas supplies from world markets. The Project will involve the construction and operation of an offshore LNG import facility to be located in the southern waters of Hong Kong, a double berth jetty, and subsea pipelines that connect to the gas receiving stations (GRS) at the Black Point Power Station (BPPS) and the Lamma Power Station (LPS).

The Environmental Impact Assessment (EIA) Report for the Project was submitted to the Environmental Protection Department (EPD) of the HKSAR Government in May 2018. The EIA Report (EIAO Register No. AEIAR-218/2018) was approved by EPD and the associated Environmental Permit (EP) (EP-558/2018) was issued in October 2018.

An application for Further Environmental Permits (FEP) were made on 24 December 2019 to demarcate the works between the different parties. The following FEPs were issued on 17 January 2020 and the EP under EP-558/2018 was surrendered on 5 March 2020.

- the double berth jetty at LNG Terminal under the Hong Kong LNG Terminal Limited (HKLTL), joint venture between CAPCO and HK Electric (FEP-01/558/2018/A) <sup>(1)</sup> – construction commenced on 27 November 2020;
- the subsea gas pipeline for the BPPS and the associated GRS in the BPPS under CAPCO (FEP-03/558/2018) – construction commenced on 23 September 2020; and
- the subsea gas pipeline for the LPS and the associated GRS in the LPS under HK Electric (FEP-02/558/2018/A) <sup>(2)</sup> – construction commenced on 13 December 2020.

The location of these components is shown in **Figures 1.1, 1.2** and **1.3**.

### 1.2 Scope of the EM&A Report

This is the Monthly EM&A Report for the Project which summarises the key findings of the EM&A programme during the reporting period from 1 to 31 December 2020 for the construction works for the Project in accordance with the Updated EM&A Manual and the requirements of the Further Environmental Permits (FEP-01/558/2018/A, FEP-02/558/2018/A & FEP-03/558/2018).

### 1.3 Organisation Structure

The organisation structure of the Project is shown in **Annex A**. The key personnel and contact details are summarised in **Table 1.1** below.

---

(1) Application for variation of an environmental permit for FEP-01/558/2018 was undertaken and the latest FEP (FEP-01/558/2018/A) was issued on 6 November 2020.

(2) Application for variation of an environmental permit for FEP-02/558/2018 was undertaken and the latest FEP (FEP-02/558/2018/A) was issued on 22 December 2020.

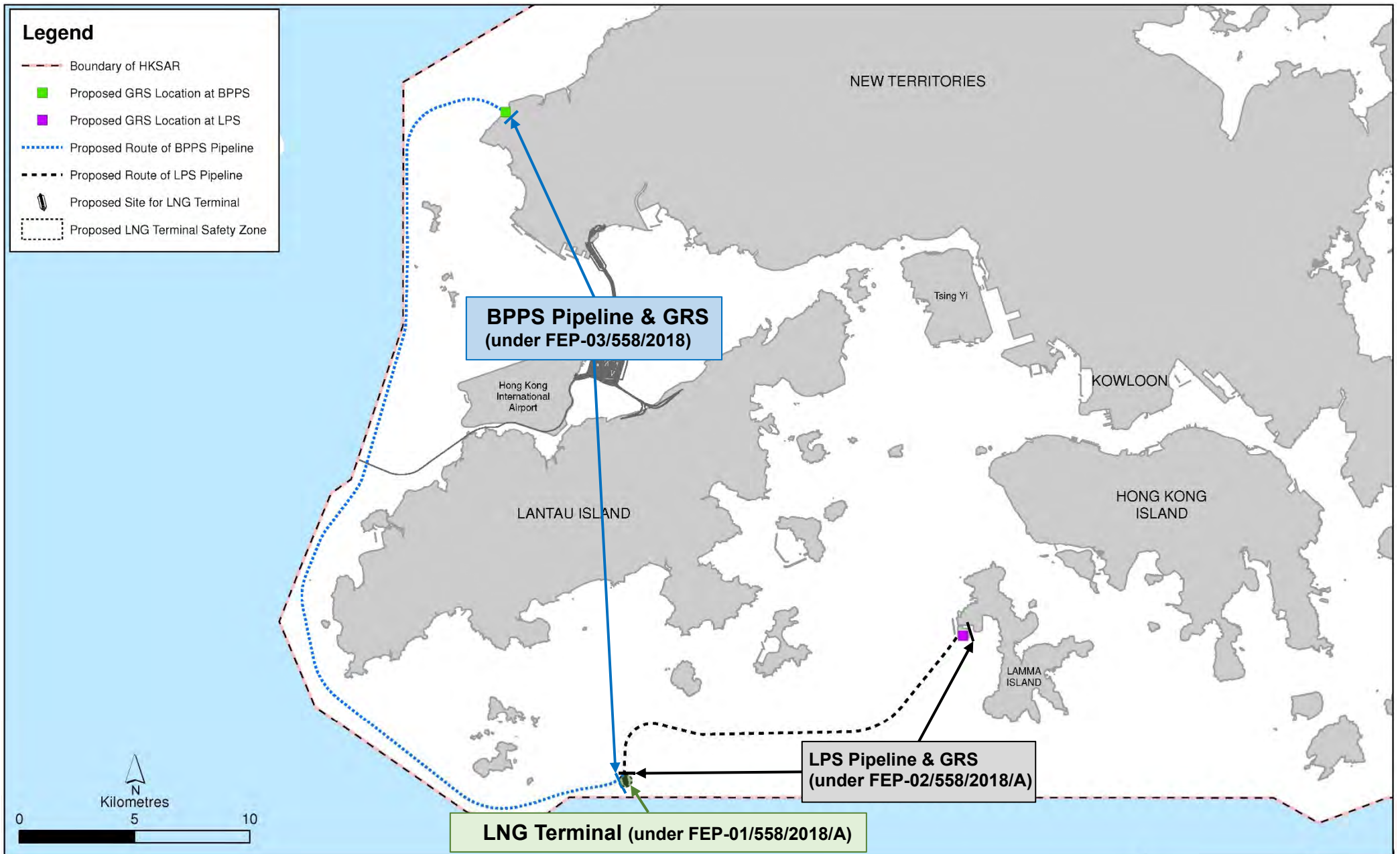
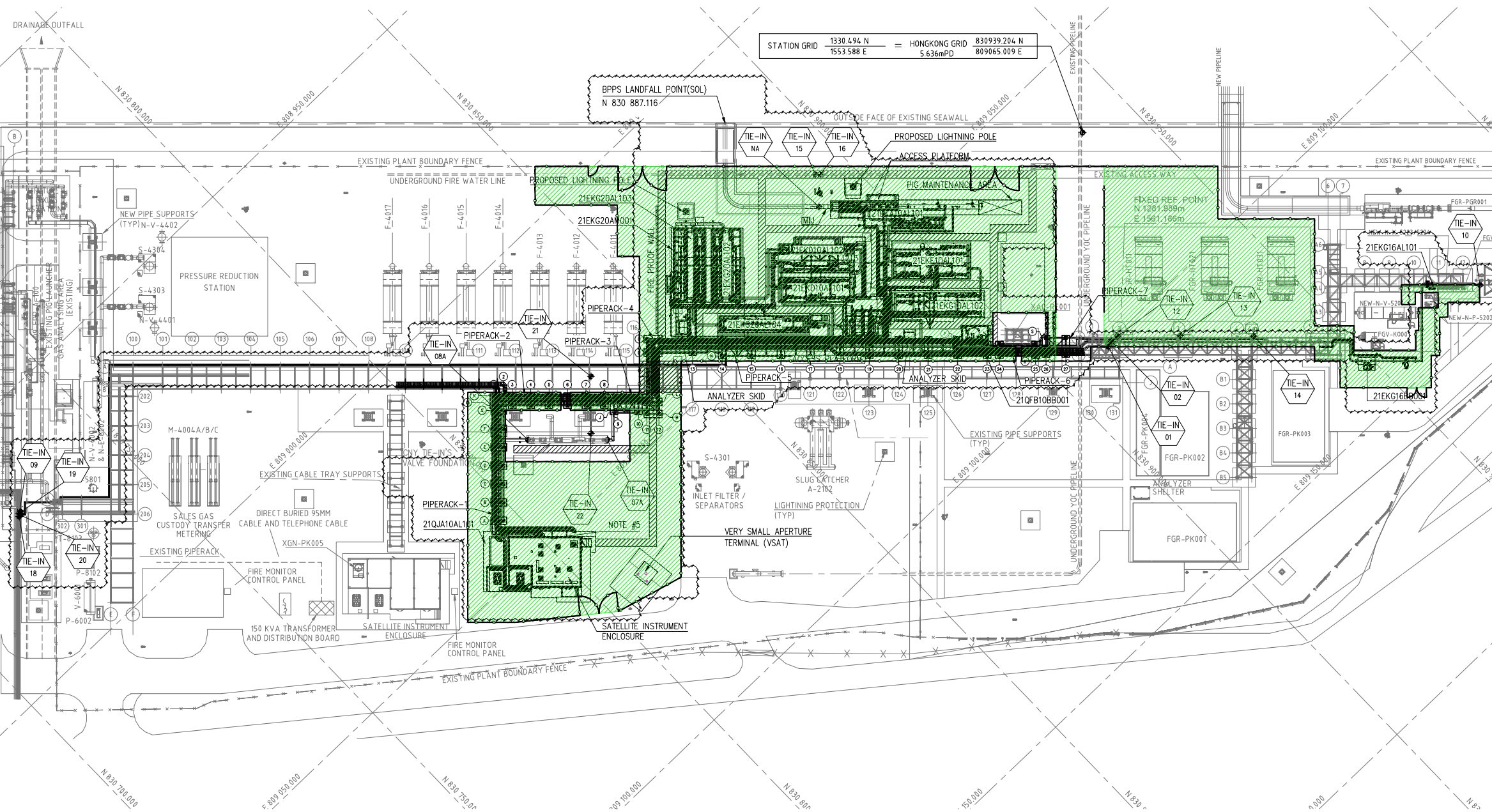
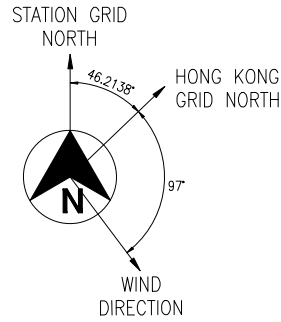


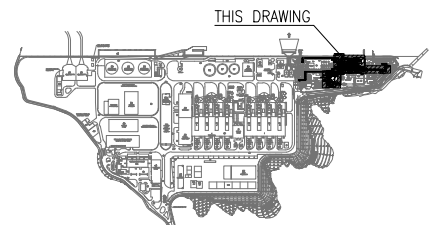
Figure 1.1

Indicative Location of Key Project Components





KEY PLAN

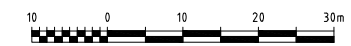


GENERAL NOTES

1. ALL DIMENSIONS ARE IN mm, ELEVATIONS & COORDINATES ARE IN m.
2. NOMINAL GRADE (PIPING DATUM) 0.000m = NOMINAL GRADE (HONG KONG DATUM) 5.700m.
3. RELATIONSHIP OF HONG KONG GRID TO STATION GRID.  
H.K. GRID 808 950.493 E = STATION GRID 0.000 E  
828 896.966 N = STATION GRID 0.000 N
4. PIG RECEIVER DESIGNED FOR INTELLIGENT PIGGING.
5. EXISTING HOSE REEL CABINET AT NEW SIE BUILDING SHALL BE RELOCATED.

LEGEND

- ESCAPE /ACCESS CLEAR WIDTH OF NOT LESS THAN 1.525m AND CLEAR HEIGHT OF 2.3m.
- NEW BPPS GRS SCOPE OF WORK
- SITE BOUNDARY AT THE BPPS GRS

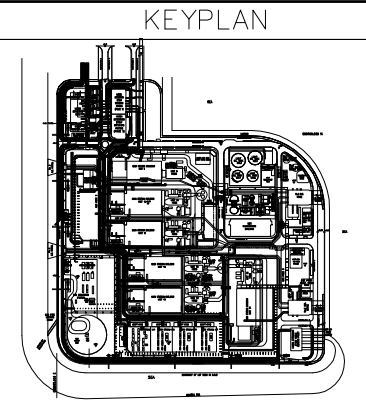
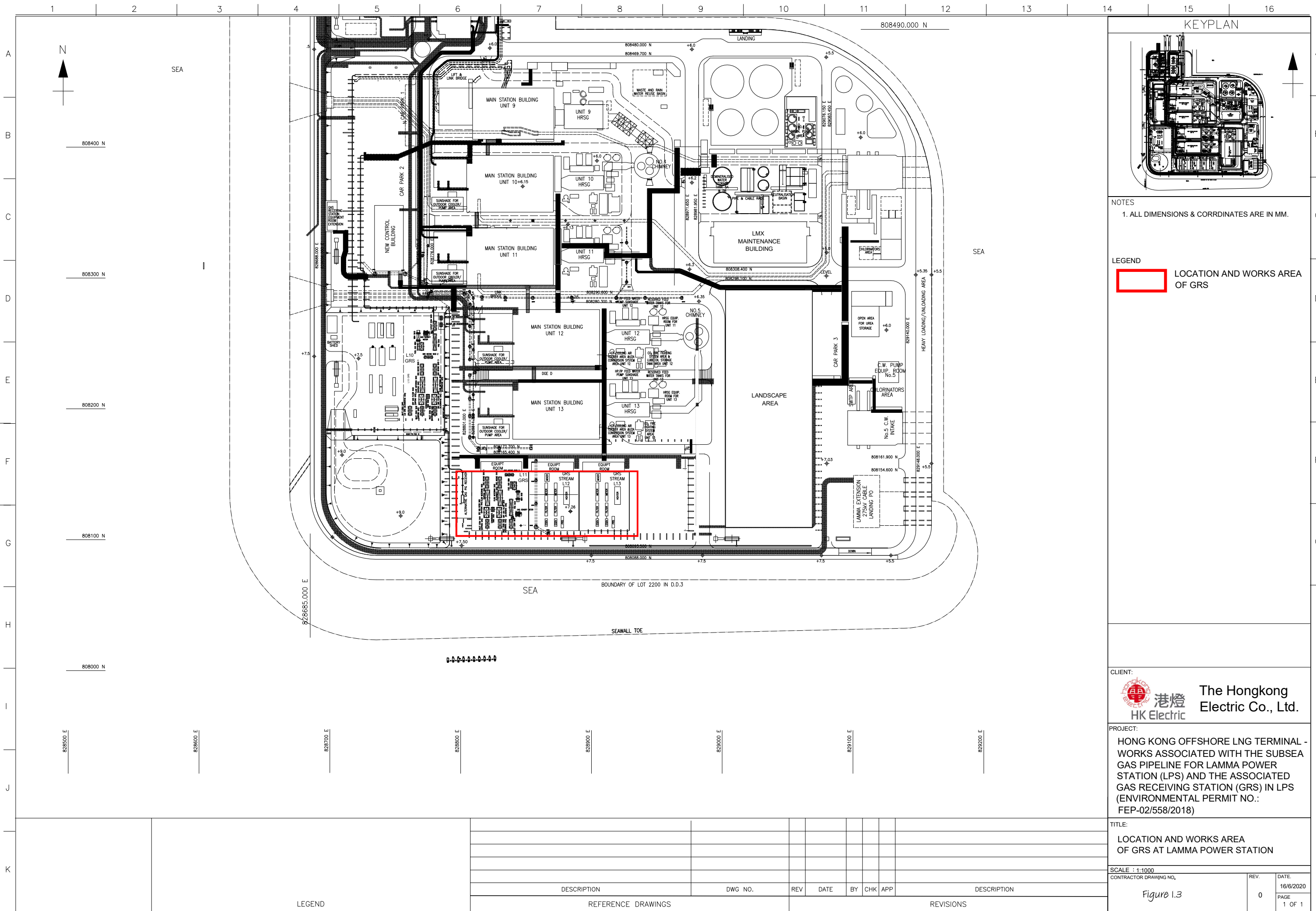


HKOLNG-COEEC-21EKG-MPD010-9101      HKOLNG GRS - EQUIPMENT LIST  
 DWG. NO.      DRAWING TITLE

REFERENCE DOCUMENTS

REVISION	No.	DATE	DESCRIPTION	BY	CHK.	APP'D	CLP
C	03JUN2020	ISSUED FOR REVIEW	AKR	ASD	MF		
B	17APR2020	INTERNALLY APPROVED	AKR	ASD	MF		
A	21FEB2020	DISCIPLINE INTERNAL CHECK	AKR	ASD	MF		

CLIENT	Capco 香港中華煤氣有限公司 Cable Peak Power Co. Ltd.	Offshore Oil Engineering Co., Ltd.	rma FUTURE	JOB No. 20ZB-DD02
SIGNATURE	DATE	PROJECT: HONG KONG OFFSHORE LNG TERMINAL PROJECT PACKAGE B	CERTIF. No. A112002816	
DRAWN	SGB	20AUG2020	DRAWING TITLE: HKOLNG GRS - OVERALL PLOT PLAN GRS	SCALE (A3) 1 : 1000
DESIGNED	AKR	20AUG2020		Figure 1.2
CHECKED	ASD	20AUG2020		
REVIEWED	TWC	20AUG2020		
EXAMINED	TWC	20AUG2020		
APPROVED	MF	20AUG2020	DWG No. HKOLNG-COEEC-21EKG-MLDO20-9112	REV. C



NOTES  
1. ALL DIMENSIONS & CORRINATES ARE IN MM.

LEGEND  
 LOCATION AND WORKS AREA OF GRS

CLIENT:  
 The Hongkong Electric Co., Ltd.

PROJECT:  
 HONG KONG OFFSHORE LNG TERMINAL - WORKS ASSOCIATED WITH THE SUBSEA GAS PIPELINE FOR LAMMA POWER STATION (LPS) AND THE ASSOCIATED GAS RECEIVING STATION (GRS) IN LPS (ENVIRONMENTAL PERMIT NO.: FEP-02/558/2018)

TITLE:  
 LOCATION AND WORKS AREA OF GRS AT LAMMA POWER STATION

SCALE : 1:1000  
 CONTRACTOR DRAWING NO. REV. DATE  
0 16/6/2020  
 Figure 1.3 PAGE 1 OF 1

DESCRIPTION	DWG NO.	REV	DATE	BY	CHK	APP	DESCRIPTION
REFERENCE DRAWINGS							
REVISIONS							

LEGEND

**Table 1.1 Contact Information of Key Personnel**

Party	Position	Name	Telephone
CAPCO / HKLTL (For FEP-01/558/2018/A and FEP-03/558/2018)	Senior Environmental Manager	Dr Helen Chiu	2596 4116
HK Electric / HKLTL (For FEP-01/558/2018/A and FEP-02/558/2018/A)	Head of Mechanical Engineering, Projects Division	Norman Chan	3143 3819
Environmental Team (ET) (ERM-Hong Kong, Limited)	ET Leader	Raymond Chow	2271 3114
Independent Environmental Checker (IEC) (Mott MacDonald Hong Kong Limited)	IEC	Arthur Lo	2828 5757
Contractor (CNOOC Offshore Oil Engineering Co. Ltd.)	Environmental Manager	H Y Tang	6111 5789
	Environmental Officer	Kelvin Cheung	9060 1020

## 1.4 Summary of Construction Activities

The programme of the construction is shown in **Annex B**.

As informed by the Contractor, details of the major construction activities undertaken in the reporting period are listed in **Table 1.2** below:

**Table 1.2 Major Construction Activities Undertaken in the Reporting Period**

FEP	Land-based Works	Marine-based Works
FEP-01/558/2018/A	Nil	<ul style="list-style-type: none"> <li>▪ Jacket Installation</li> <li>▪ Piling Installation</li> </ul>
FEP-02/558/2018/A	Nil	Nil <sup>(1)</sup>
FEP-03/558/2018	<ul style="list-style-type: none"> <li>▪ Excavation for Fire Services, oily water, stormwater drainage diversion and backfilling;</li> <li>▪ Excavation for Plate Load Test - Pipe Rack</li> <li>▪ Plate Load Test - Pipe Rack; and</li> <li>▪ Cable pulling</li> </ul>	Nil

Remark: (1) The preparation works for marine-based works for FEP-02/558/2018/A (e.g. approval of marine dumping permit) were undertaken in December 2020. Therefore, no marine-based works for FEP-02/558/2018/A were undertaken in December 2020. Marine-based works for FEP-02/558/2018/A are expected to commence in January 2021.

The environmental mitigation implementation schedule (EMIS) is presented in **Annex C**.

## 1.5 Summary of EM&A Programme Requirements

The status of EM&A Programme for all environmental aspects required under the Updated EM&A Manual are presented in **Table 1.3**. As no dredging/jetting operations were undertaken in the reporting period, no marine water quality monitoring was required to be monitored in accordance with

the Updated EM&A Manual. The requirements of relevant environmental monitoring, including monitoring parameters, Action and Limit Levels, Event and Action Plan(s), environmental mitigation measures, etc. are presented in *Section 2*.

**Table 1.3 Summary of Status for the EM&A Programme under the Updated EM&A Manual**

Aspects	Relevant FEP(s)	Status
<b>Water Quality</b>		
Baseline Monitoring	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	<ul style="list-style-type: none"> <li>■ Completed</li> </ul>
Efficiency of Silt Curtain System	FEP-02/558/2018/A FEP-03/558/2018	<ul style="list-style-type: none"> <li>■ To be implemented upon early stage of construction works for dredging/jetting operations for FEP-02/558/2018/A <sup>(1)</sup> and FEP-03/558/2018</li> </ul>
Construction Phase Monitoring	FEP-02/558/2018/A FEP-03/558/2018	<ul style="list-style-type: none"> <li>■ To be implemented upon commencement of construction works for dredging/jetting operations for FEP-02/558/2018/A <sup>(1)</sup> and FEP-03/558/2018</li> </ul>
Post-Construction Monitoring	FEP-02/558/2018/A FEP-03/558/2018	<ul style="list-style-type: none"> <li>■ To be implemented upon completion of construction works for the Project</li> </ul>
Monitoring for Hydrotesting for the Subsea Gas Pipelines	FEP-02/558/2018/A FEP-03/558/2018	<ul style="list-style-type: none"> <li>■ To be implemented during hydrotesting for the subsea gas pipelines</li> </ul>
First-year of LNG Terminal Operation	FEP-01/558/2018/A	<ul style="list-style-type: none"> <li>■ To be implemented during LNG Terminal operation</li> </ul>
Maintenance Dredging	FEP-01/558/2018/A	<ul style="list-style-type: none"> <li>■ To be implemented during maintenance dredging</li> </ul>
<b>Waste Management</b>		
Audit of Waste Management Practice	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	<ul style="list-style-type: none"> <li>■ On-going for FEP-01/558/2018/A and FEP-03/558/2018</li> <li>■ To be implemented upon commencement of construction works for FEP-02/558/2018/A <sup>(1)</sup></li> </ul>
<b>Ecology</b>		
Baseline Monitoring (Vessel-based Line Transect Survey and Passive Acoustic Monitoring)	FEP-01/558/2018/A	<ul style="list-style-type: none"> <li>■ Completed</li> </ul>
Construction Phase Monitoring (Vessel-based Line Transect Survey and Passive Acoustic Monitoring)	FEP-01/558/2018/A	<ul style="list-style-type: none"> <li>■ On-going (for percussive piling works for construction of Jetty between July and December)</li> </ul>
Post-Construction Monitoring (Vessel-based Line Transect Survey and Passive Acoustic Monitoring)	FEP-01/558/2018/A	<ul style="list-style-type: none"> <li>■ To be implemented upon completion of construction works for the Project</li> </ul>
Marine Mammal Exclusion Zone Monitoring	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	<ul style="list-style-type: none"> <li>■ On-going for FEP-01/558/2018/A ( marine mammal exclusion zone with 500 m radius)</li> <li>■ To be implemented when marine dredging / jetting operations (under FEP-02/558/2018/A <sup>(1)</sup> / FEP-03/558/2018) are undertaken</li> </ul>



Aspects	Relevant FEP(s)	Status
<b>Environmental Site Inspection</b>		
Regular Site Inspection	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	<ul style="list-style-type: none"> <li>■ On-going for FEP-01/558/2018/A and FEP-03/558/2018</li> <li>■ To be implemented upon commencement of construction works for FEP-02/558/2018/A <sup>(1)</sup></li> </ul>
Records of Operating Speeds and Marine Travel Routes for Working Vessels	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	<ul style="list-style-type: none"> <li>■ On-going for FEP-01/558/2018/A</li> <li>■ To be implemented upon commencement of marine-based construction works for FEP-02/558/2018/A <sup>(1)</sup> and FEP-03/558/2018</li> </ul>
Environmental Log Book	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	<ul style="list-style-type: none"> <li>■ On-going</li> </ul>

Remark: (1) The preparation works for marine-based works for FEP-02/558/2018/A (e.g. approval of marine dumping permit) were undertaken in December 2020. Therefore, no marine-based works for FEP-02/558/2018/A were undertaken in December 2020. Marine-based works for FEP-02/558/2018/A are expected to commence in January 2021.

## 1.6 Status of Other Statutory Environmental Requirements

The environmental licenses and permits, including further environmental permits, registration as chemical waste producer, construction noise permits, which were valid in the reporting period are presented in **Annex D**. No non-compliance with environmental statutory requirements was identified.

## 2. EM&A RESULTS

The EM&A programme for the Project required environmental monitoring for marine water quality and marine mammals as well as environmental site inspections for air quality, construction noise, water quality, waste management, marine ecology, landscape and visual, and hazard to life impacts. As presented in *Section 1.5*, environmental site inspections and audit on waste management practice were conducted for FEP-01/558/2018/A and FEP-03/558/2018 while marine mammal monitoring (i.e. vessel-based line transect survey and passive acoustic monitoring) and marine mammal exclusion zone monitoring with 500 m radius were conducted for FEP-01/558/2018/A, and the findings are presented below.

### 2.1 Environmental Site Inspection

Regular environmental site inspections were carried out with the Contractor and Project Proponents to confirm the implementation of appropriate environmental protection and pollution control mitigation measures for air quality, construction noise, water quality, waste management, marine ecology, landscape and visual, and hazard to life impacts under the Project. In the reporting period, five (5) environmental site inspections were carried out on 2, 8, 16, 23 and 30 December 2020. The Independent Environmental Checker (IEC) attended the environmental site inspection as the IEC audit on 16 December 2020 during the reporting period. The key observations from site inspections and Contractor's follow-up actions are summarised in **Table 2.1**. The environmental mitigation implementation schedule (EMIS) is presented in **Annex C**.

**Table 2.1 Key Observations from Site Inspections and Contractor's Follow-up Actions**

Item	Description	Contractor's Follow-up Action(s) Taken
<b>FEP-01/558/2018/A</b>		
	Nil observation.	N/A
<b>FEP-03/558/2018</b>		
1	The storage area for chemical waste at GRS in BPPS was not properly secured/locked with an appropriate door/gate.	The storage area for chemical waste at GRS in BPPS was secured/locked with an appropriate door/gate.

### 2.2 Waste Management Status

Waste management audits were performed with reference to the Waste Management Checklists for the corresponding Waste Management Plans detailed in **Annex E** during the regular environmental site inspections carried out in the reporting period. No non-compliance for Contractor's waste management practices was identified during the audits.

The quantities of different types of waste generated and dredged marine sediment for the three FEPs are summarised in **Tables 2.2, 2.3** and **2.4** with reference to the waste flow tables prepared by the Contractor. General refuse was generated under FEP-01/558/2018/A in the reporting period. Detailed waste flow tables are presented in **Annex F**.



**Table 2.2 Quantities of Waste Generated for FEP-01/558/2018/A**

Inert C&D Materials Generated (in '000m <sup>3</sup> )						
Month/Year	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill
Dec 2020	0	0	0	0	0	0

C&D Wastes Generated						
Month/Year	Metals (in '000kg <sup>3</sup> )	Paper / Cardboard Packaging (in '000kg <sup>3</sup> )	Plastics (in '000kg <sup>3</sup> )	Chemical Waste		Other (e.g. general refuse) (in '000kg)
				(in '000kg <sup>3</sup> )	(in '000L)	
Dec 2020	0	0	0	0	0	6.910

**Table 2.3 Quantities of Waste Generated and Dredged Marine Sediment for FEP-02/558/2018/A**

Inert C&D Materials Generated (in '000m <sup>3</sup> )						
Month/Year	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill
Dec 2020	0	0	0	0	0	0

C&D Wastes Generated						
Month/Year	Metals (in '000kg <sup>3</sup> )	Paper / Cardboard Packaging (in '000kg <sup>3</sup> )	Plastics (in '000kg <sup>3</sup> )	Chemical Waste		Other (e.g. general refuse) (in '000kg)
				(in '000kg <sup>3</sup> )	(in '000L)	
Dec 2020	0	0	0	0	0	0

Marine Sediment Generated (in '000m <sup>3</sup> )				
Month/Year	Total Quantity of Type L Generated	Total Quantity of Type M Generated	Reused in the Contract	Reused in other Projects
Dec 2020	0	0	0	0

**Table 2.4 Quantities of Waste Generated and Dredged Marine Sediment for FEP-03/558/2018**

Inert C&D Materials Generated (in '000m <sup>3</sup> )						
Month/Year	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill
Dec 2020	0	0	0	0	0	0
C&D Wastes Generated						
Month/Year	Metals (in '000kg <sup>3</sup> )	Paper / Cardboard Packaging (in '000kg <sup>3</sup> )	Plastics (in '000kg <sup>3</sup> )	Chemical Waste		Other (e.g. general refuse) (in '000kg)
				(in '000kg <sup>3</sup> )	(in '000L)	
Dec 2020	0	0	0	0	0	0
Marine Sediment Generated (in '000m <sup>3</sup> )						
Month/Year	Total Quantity of Type L Generated	Total Quantity of Type M Generated	Reused in the Contract	Reused in other Projects		
Dec 2020	0	0	0	0		

## 2.3 Marine Mammal Monitoring

### 2.3.1 Monitoring Requirements

#### 2.3.1.1 Vessel-based Line Transect Survey

In accordance with the Updated EM&A Manual, vessel-based marine mammal survey by means of systematic line-transect boat survey was undertaken to examine the distribution and encounter rate of Finless Porpoise (FP) in southern Lantau where a majority of Project construction works would take place. Survey transects covered three survey areas for line-transect boat surveys, namely Southwest Lantau (SWL), Southeast Lantau (SEL) and Lamma (LM) are presented in **Figure 2.1**. The methodology of the survey is consistent and compatible with that adopted in the EIA baseline surveys as well as the long-term marine mammal monitoring programme conducted by AFCD since 1995 to allow potential comparisons and pooling data for analysis. Vessel-based line transect marine mammal surveys are conducted during construction of the LNG Terminal. Each transect line is surveyed twice per month. The detailed methodology is presented in the Updated EM&A Manual.

#### 2.3.1.2 Passive Acoustic Monitoring (PAM)

In accordance with the Updated EM&A Manual, underwater PAM survey using C-POD (Cetacean-Porpoise Detector) was conducted at five locations as presented in **Figure 2.2**. C-PODs are left in place during construction of the LNG Terminal. Such duration should allow for a robust record of marine mammal usage of the area to be obtained and allow for the inter-seasonal differences already known for finless porpoises. The C-PODs have to be serviced every two to four months, subject to review on an as-needed basis, to download accumulated data and replace batteries.

### 2.3.2 Action and Limit Levels for Marine Mammal Monitoring

The Action and Limit Levels for marine mammal monitoring are established using encounter rate calculated from the six-month baseline vessel-based line transect surveys from the three survey areas

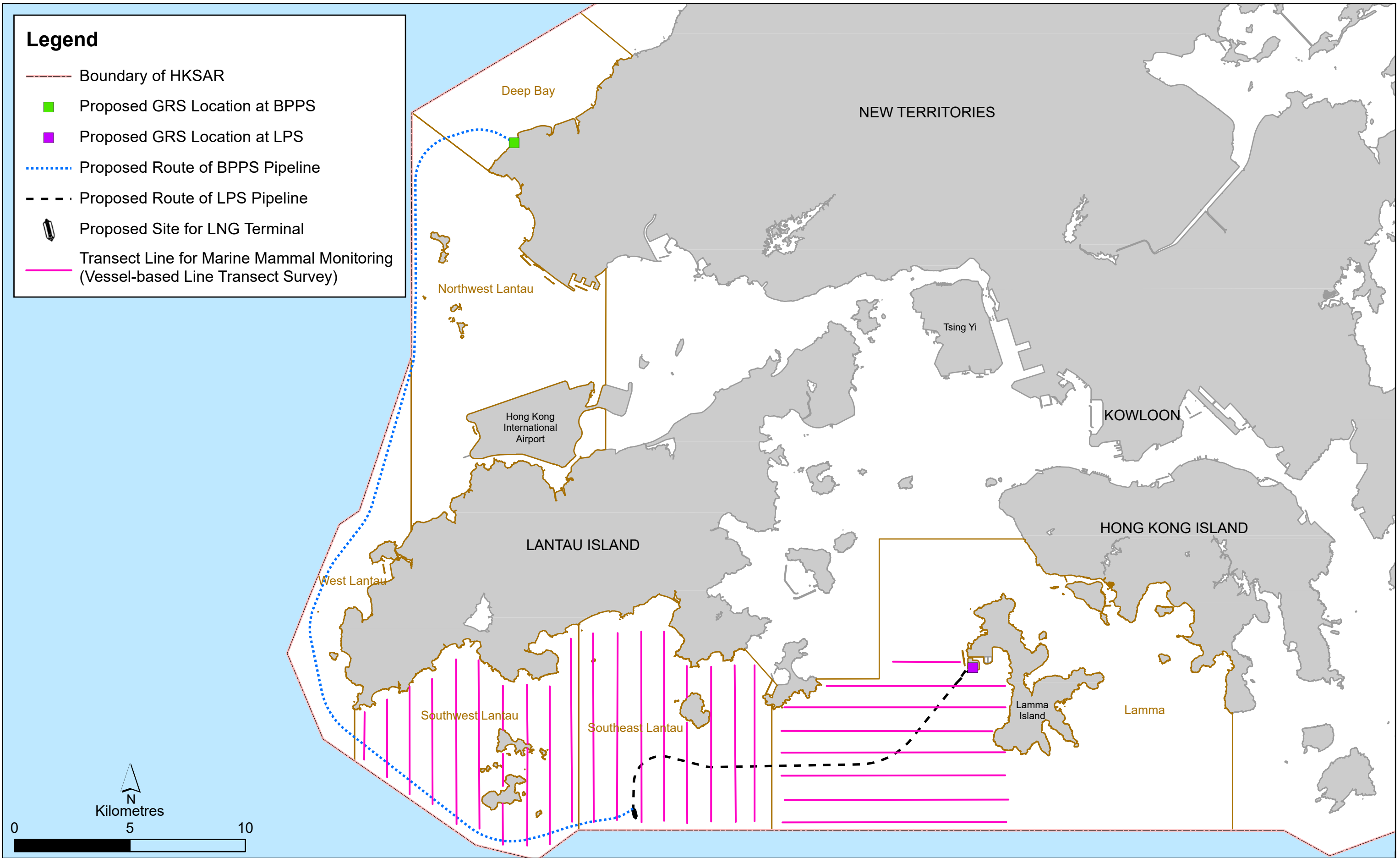


Figure 2.1

Vessel-Based Marine Mammal Survey Location

# Legend

- Boundary of HKSAR
- Proposed Route of BPPS Pipeline
- Proposed Route of LPS Pipeline
- Proposed Site for LNG Terminal
- Proposed South Lantau Marine Park
- Open Sea Disposal Area
- Proposed Safety Zone
- C-POD Deployment Location
- Submarine Cable
- Power Lines
- Pipeline

C-POD Deployment Location			
ID	Longitude	Latitude	Water Depth (m)
1	113° 55' 10.201" E	22° 09' 46.379" N	13
2	113° 56' 43.723" E	22° 09' 30.563" N	14
3	113° 57' 09.118" E	22° 09' 30.592" N	14.7
4	113° 57' 13.030" E	22° 10' 23.959" N	14.1
5	113° 59' 50.741" E	22° 11' 26.794" N	14

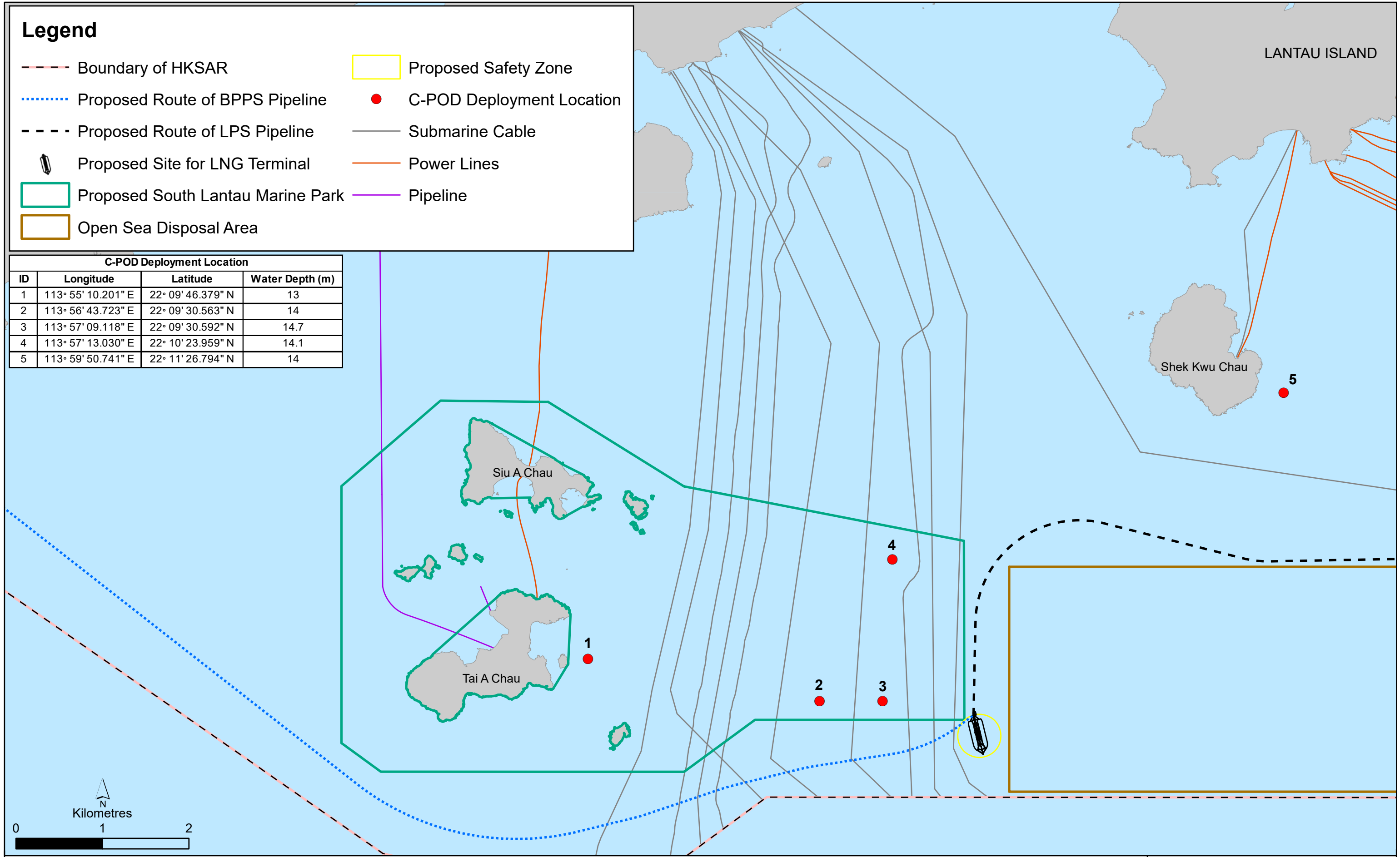


Figure 2.2

Underwater PAM Survey Location

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Date: 27/12/2020

as a whole in accordance with the Updated EM&A Manual. The combined baseline encounter rate will be used to compare with the encounter rate obtained during construction phase monitoring calculated from last three month's monitoring data (i.e. running quarterly value). This approach would allow natural seasonal fluctuations in FP encounter rate to be accounted for, and allow data to be reviewed every month such as appropriate remedial actions could be taken timely if the threshold values are triggered. The Action and Limit Levels are provided in **Table 2.5**.

**Table 2.5 Action and Limit Levels for Marine Mammal Monitoring**

Monitoring Area	Action Level	Limit Level
SWL, SEL and LM as a whole	Running quarterly STG < 1.12 & ANI < 2.18	Two consecutive running quarterly STG < 1.12 & ANI < 2.18

Notes:

STG = Encounter Rate of Number of Porpoise Sightings

ANI = Encounter Rate of Number of Porpoises

Action / Limit Levels will be triggered if both STG and ANI fall below the criteria.

The Event and Action Plan for marine mammal monitoring is provide in **Annex H**.

### 2.3.3 Monitoring Schedule for the Reporting Period

The schedule for marine mammal monitoring for the reporting period is provided in **Annex J**.

### 2.3.4 Monitoring Results

#### 2.3.4.1 Vessel-based Line Transect Survey

Vessel-based line transect surveys were conducted on 16, 17, 18, 21, 22 and 23 December 2020. A total of 437.98 km of survey effort was collected from the surveys, which included 138.45 km in SWL, 135.53 km in SEL and 164 km in LM. The total survey effort conducted on primary and secondary lines were 359.98 km and 78.00 km respectively. 50.2% of the total survey effort was conducted in condition of Beaufort Sea State 2 or below with good visibility, and such data can be utilised for the encounter rate analysis.

A total four groups of ten FPs were sighted among the three survey areas and all of them were sighted during on-effort search. Among these FP sightings, a total of three groups of seven FPs were sighted at Beaufort Sea State 2 or below, which can be utilised for encounter rate analysis.

The four porpoise groups were scattered in the southern portion of the three survey areas, which were located to the west of Tai A Chau, the offshore waters in SEL near the works area of the LNG Terminal, to the south of Shek Kwu Chau, and about 5 km to the south of Lamma Island respectively (see **Figure 2.3**).

The monthly STG and ANI for the combined survey areas from SWL, SEL and LM during the reporting period are summarised in **Table 2.6**.

**Table 2.6 Monthly STG and ANI for Finless Porpoise**

Survey Period	On-effort (km)	No. of Sighting	No. of Porpoise	STG	ANI
Dec 2020	219.3	3	7	1.36	3.18

Note: Only data collected at Beaufort Sea State 2 or below were included for encounter rate analysis.

The results of vessel-based line transect surveys are detailed in **Annex G**.

As only one month vessel-based marine mammal survey data is available, running quarterly values of encounter rate in terms of STG & ANI were not available for comparison against the Action and Limit Levels. Therefore, there were no breaches of Action and Limit Levels for marine mammal monitoring in the reporting period

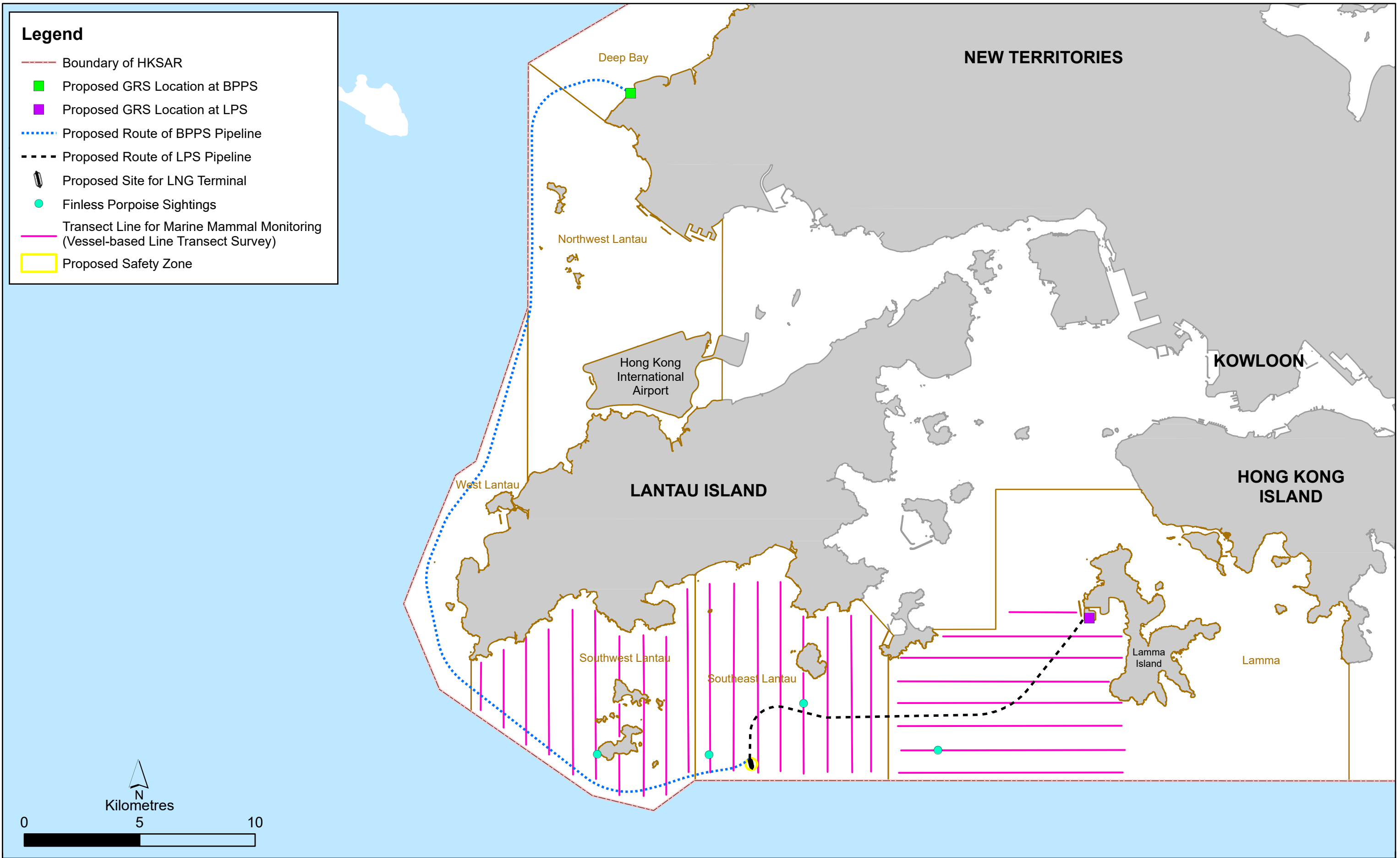


Figure 2.3

Distribution of Finless Porpoise Sightings in December 2020

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 Date: 5/1/2021



### 2.3.4.2 Underwater PAM Survey

Five C-POD units have been deployed at the five locations since the commencement of construction for FEP-01/558/2018/A on 27 November 2020. These units will be serviced every two to four months, subject to review on an as-needed basis, to download accumulated data and replace batteries.

## 2.4 Marine Mammal Exclusion Zone Monitoring

### 2.4.1 Monitoring Requirements

According to Condition 3.7 of FEP-01/558/2018/A, Section 9.11.3 of the approved EIA Report and Section 7 of the Updated EM&A Manual, marine mammal exclusion zone monitoring with 500 m radius is required during the course of percussive piling works for construction of Jetty. Marine mammal exclusion zone requirements for percussive piling works for construction of Jetty are presented in **Table 2.7**.

**Table 2.7 Marine Mammal Exclusion Zone Requirements**

Activity	Exclusion Zone	Requirement
Percussive Piling Works for construction of Jetty	500m	Before percussive piling commences, the exclusion zone must have been continuously clear of marine mammals for 30 minutes. During percussive piling, if marine mammals are spotted within the exclusion zone, percussive piling works will cease and will not resume until the observer confirms that the zone has been continuously clear of marine mammals for a period of 30 minutes.

### 2.4.2 Monitoring Results

Marine mammal exclusion zone monitoring with 500 m radius was undertaken during the reporting period when percussive piling works for construction of Jetty was conducted. No sightings of marine mammals were observed during marine mammal exclusion zone monitoring in the reporting period.

## 2.5 Records of Operating Speeds and Marine Travel Routes of Working Vessels

The operating speeds and marine travel routes of working vessels for construction of the Project within the reporting period were checked and reviewed. Four working vessels were used for the construction of Jetty under FEP-01/558/2018/A from 11 to 21 December 2020 during the reporting period. All these working vessels were operated at a speed lower than 10 knots and followed the relevant marine travel requirements stipulated in the FEP. No non-compliance on the operating speeds and marine travel routes of working vessels was identified. Records of operating speeds and marine travel routes of working vessels for construction of the Project provided by the Contractor are presented in **Annex L**.

## 2.6 Implementation Status of Environmental Mitigation Measures

A summary of the Environmental Mitigation Implementation Schedule (EMIS) is presented in **Annex C**. The necessary mitigation measures were implemented properly for the Project.

## 2.7 Summary of Exceedances of the Environmental Quality Performance Limit

Since there were no construction activities conducted in the reporting period requiring impact monitoring of marine water quality in accordance with the Updated EM&A Manual, there were no breaches of Action and Limit Levels for marine water quality monitoring in the reporting period.

As only one month vessel-based marine mammal survey data is available, running quarterly values of encounter rate in terms of STG & ANI were not available for comparison against the Action and Limit Levels. Therefore, there were no breaches of Action and Limit Levels for marine mammal monitoring in the reporting period.

Cumulative statistics on exceedance is provided in **Annex I**.

## 2.8 Summary of Environmental Complaints, Notification of Summons and Successful Prosecutions

There were no environmental complaints, notification of summons and successful prosecutions recorded in the reporting period.

Statistics on environmental complaints, notification of summons and successful prosecutions are summarised in **Annex I**.

### 3. FORECAST FOR THE NEXT REPORTING PERIOD

#### 3.1 Works Programme for the Next Reporting Period

Construction activities to be undertaken in the next reporting period of January 2021 are summarised in **Table 3.1** below, together with the key issues:

**Table 3.1 Major Construction Activities for the Next Reporting Period**

Activities	Key Issues
<i>Under FEP-01/558/2018/A</i>	
Marine-based Works	
<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>	<ul style="list-style-type: none"> <li>▪ N/A</li> </ul>
<i>Under FEP-02/558/2018/A</i>	
Land-based Works	
<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>	<ul style="list-style-type: none"> <li>▪ N/A</li> </ul>
Marine-based Works	
<ul style="list-style-type: none"> <li>▪ Pre-trenching</li> <li>▪ Pipe-laying</li> </ul>	<ul style="list-style-type: none"> <li>▪ Elevation of suspended solids</li> </ul>
<i>Under FEP-03/558/2018</i>	
Land-based Works	
<ul style="list-style-type: none"> <li>▪ Excavation for Foundation - Pipe Rack</li> <li>▪ Plate Load Test - Satellite Instrument Enclosure</li> </ul>	<ul style="list-style-type: none"> <li>▪ Dust emission from construction activities and stockpiles</li> <li>▪ Waste management</li> <li>▪ Site surface runoff and wastewater discharge</li> </ul>
Marine-based Works	
<ul style="list-style-type: none"> <li>▪ Nil</li> </ul>	<ul style="list-style-type: none"> <li>▪ N/A</li> </ul>

The ET will keep track on the construction activities to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

#### 3.2 Monitoring Schedule for the Next Reporting Period

The tentative schedule for marine water quality monitoring is provided in **Annex K**.

## 4. CONCLUSION AND RECOMMENDATIONS

This Monthly EM&A Report presents the key findings of the EM&A works during the reporting period from 1 to 31 December 2020 for the construction works for the Project in accordance with the Updated EM&A Manual and the requirements of the Further Environmental Permits (FEP-01/558/2018/A, FEP-02/558/2018/A & FEP-03/558/2018).

Environmental auditing works, including regular site inspections of construction works conducted by the ET, audit of implementation of Waste Management Plan and review of the acceptability of operating speeds and marine travel routes of working vessels were conducted in the reporting period. No non-compliance of environmental statutory requirements was identified.

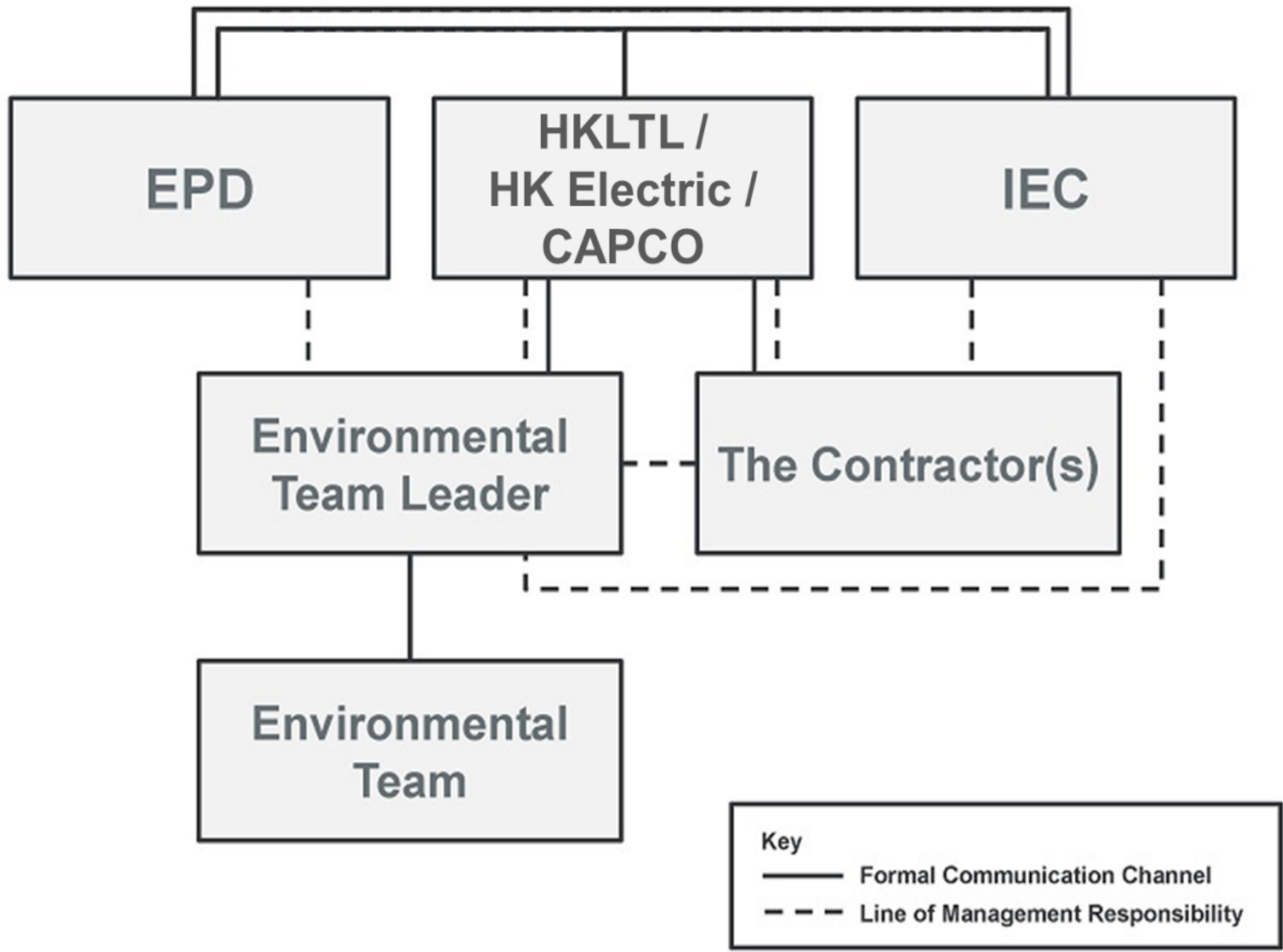
Marine mammal monitoring (vessel-based line transect survey and passive acoustic monitoring) was conducted during the reporting period in accordance with the Updated EM&A Manual. No breaches of Action and Limit Levels were recorded.

There were no environmental complaints, notification of summons and successful prosecutions recorded in the reporting period.

The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

## **ANNEX A**

### **PROJECT ORGANISATION**





## **ANNEX B**

### **CONSTRUCTION PROGRAMME**

**Schedule of Works associated with the double berth jetty at LNG Terminal**

WORK	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022
<b>Preparation Phase</b>							
Pre-survey	■						
<b>Construction Phase</b>							
Jacket Installation		■			■		
Topsides Construction						■	

**Schedule of the works associated with the subsea gas pipeline for Lamma Power Station (LPS) and the associated Gas Receiving Station (GRS) in LPS**

WORK	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021
<b>Preparation Phase</b>						
Pre-survey	■					
Removal of obstructions		■				
<b>Construction Phase</b>						
Pre-trenching including Deployment of Silt Curtain and Pilot Test			■			
De-burial of pre-installed pipeline by Mass Flow Excavator			■			
Pipeline Laying			■			
Intermediate Hydrotesting for Pipeline			■			
Post-trenching including Deployment of Silt Curtain and Pilot Test			■			
Rock Armour Placement					■	
Final Hydrotesting for Pipeline					■	
Gas Receiving Station (GRS) including pipe rack construction, preparation works at the vent header for tie-in of the new GRS, fencing, new gas receiving facility and new pipeline connection, and pre-commissioning, commissioning and start up			■			
Remarks: Pilot tests on the efficiency of silt curtain system shall be conducted during the early stage of construction to confirm the removal efficiency of the silt curtains.						

**Schedule of the works associated with the subsea gas pipeline for Black Point Power Station (BPPS) and the associated Gas Receiving Station (GRS) in BPPS**

WORK	Q3 2020	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022
<b>Preparation Phase</b>								
Pre-survey								
Removal of obstructions								
<b>Construction Phase</b>								
Pre-trenching including Deployment of Silt Curtain and Pilot Test								
Cofferdam and Sheet Pile Construction								
Pipeline Laying								
Post-trenching including Deployment of Silt Curtain and Pilot Test								
Rock Armour Placement								
Intermediate and Final Hydrotesting for Pipeline								
Gas Receiving Station (GRS) including pipe rack construction, preparation works at the vent header for tie-in of the new GRS, fencing, new gas receiving facility and new pipeline connection, and pre-commissioning, commissioning and start up								
Remarks: Pilot tests on the efficiency of silt curtain system shall be conducted during the early stage of construction to confirm the removal efficiency of the silt curtains.								

## **ANNEX C**

### **ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)**

**TABLE C.1 IMPLEMENTATION SCHEDULE OF RECOMMENDED MITIGATION MEASURES**

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
<b>Air Quality</b>									
S4.10.1	S2.1	Impervious sheet will be provided for skip hoist for material transport.	Land sites for GRSS within BPPS and LPS / During construction, particularly dry season	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	N/A
S4.10.1	S2.1	The area where dusty work takes place should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after dusty activities as far as practicable.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	N/A
S4.10.1	S2.1	All dusty materials should be sprayed with water or a dust suppression chemical immediately prior to any loading, unloading or transfer operation.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	N/A
S4.10.1	S2.1	Dropping heights for excavated materials should be controlled to a practical height to minimise the fugitive dust arising from unloading.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	N/A

<sup>(1)</sup> D = Design Phase; C = Construction Phase; O = Operational Phase

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for  
December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
S4.10.1	S2.1	During transportation by truck, materials should not be loaded to a level higher than the side and tail boards, and should be dampened or covered before transport.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	N/A
S4.10.1	S2.1	Wheel washing device should be provided at the exits of the work sites. Immediately before leaving a construction site, every vehicle shall be washed to remove any dusty material from its body and wheels as far as practicable.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	N/A
S4.10.1	S2.1	Road sections between vehicle-wash areas and vehicular entrance will be paved.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	N/A
S4.10.1	S2.1	Haul roads will be kept clear of dusty materials and will be sprayed with water so as to maintain the entire road surface wet at all times.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	N/A
S4.10.1	S2.1	Temporary stockpiles of dusty materials will be either covered entirely by impervious sheets or sprayed with water to maintain the entire surface wet all the time.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	✓ for GRS in BPPS N/A for GRS in LPS

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
S4.10.1	S2.1	Stockpiles of more than 20 bags of cement and dusty construction materials will be covered entirely by impervious sheeting sheltered on top and 3-sides.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	N/A
S4.10.1	S2.1	All exposed areas will be kept wet to minimise dust emission.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	N/A
S4.10.1	S2.1	Ultra-low-sulphur diesel (ULSD), defined as diesel fuel containing not more than 0.005% sulphur by weight, will be used for all construction plant on-site.	Land sites for GRSS within BPPS and LPS / During construction/ During operation	Contractor(s) / CAPCO / HK Electric		✓	✓	<i>Environment, Transport and Works Bureau Technical Circular (ETWB-TC(W)) No 19/2005 on Environmental Management on Construction Sites</i>	N/A
S4.10.1	S2.1	The engine of the construction equipment during idling will be switched off.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	✓ for GRS in BPPS N/A for GRS in LPS
S4.10.1	S2.1	Regular maintenance of construction equipment deployed on-site will be conducted to prevent black smoke emission.	Land sites for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		<i>Air Pollution Control (Construction Dust) Regulation</i>	✓ for GRS in BPPS



**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
									N/A for GRS in LPS
S4.10.1	S2.1	All marine vessels fuelled in Hong Kong are required to operate using marine light diesel with sulphur content lower than 0.05%.	Marine sites for the LNG Terminal, the BPPS Pipeline and the LPS Pipeline / During construction/ During operation	Contractor(s) / Project Proponents		✓	✓	<i>Air Pollution Control (Marine Light Diesel) Regulation</i>	N/A
S4.10.1	S2.1	Non-road mobile machinery (NRMMS), e.g. mobile generator and air compressor, shall comply with the prescribed emission standards and approved with a proper label by EPD.	Land sites for GRSs within BPPS and LPS and marine sites for the LNG Terminal, the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		<i>Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation</i>	✓ for GRS in BPPS  N/A for GRS in LPS, LNG Terminal and BPPS and LPS Pipelines
S4.10.1	S2.1	To ensure proper implementation of the recommended dust mitigation measures and good construction site practices during the construction phase of the GRSs and the BPPS and the LPS, environmental site audits on monthly basis is recommended throughout the construction period.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)/ Environmental Team (ET) & Independent Environmental Checker (IEC)		✓		-	✓ for GRS in BPPS  N/A for GRS in LPS

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
S4.10.2	S2.2	LNGCs shall comply with the fuel restriction requirement under the <i>Air Pollution Control (Ocean Going Vessels) (Fuel at berth) Regulation</i> .	Marine site for the LNG Terminal / During operation	HKLTL			✓	<i>Air Pollution Control (Ocean Going Vessels) (Fuel at berth) Regulation</i>	N/A
<b>Hazard to Life</b>									
S5.3.3	S3	All personnel within the BPPS shall comply with CLP safety policy and requirements.	Land site for the GRS within BPPS / During construction / During operation	Contractor(s) / CAPCO		✓	✓	-	✓
S5.3.3	S3	All personnel within the LPS shall comply with HK Electric safety policy and requirements.	Land site for the GRS within LPS / During construction / During operation	Contractor(s) / HK Electric		✓	✓	-	N/A
S5.3.3	S3	All operation work procedures shall be complied with the operating plant procedures or guidelines and regulatory requirements.	Land sites for GRSs within BPPS and LPS / During construction / During operation	Contractor(s) / CAPCO / HK Electric		✓	✓	-	✓ for GRS in BPPS N/A for GRS in LPS
S5.3.3	S3	All personnel shall be equipped with appropriate personal protective equipment (PPE) when working at the BPPS and LPS facilities.	Land sites for GRSs within BPPS and LPS / During construction / During operation	Contractor(s) / CAPCO / HK Electric		✓	✓	-	✓ for GRS in BPPS N/A for GRS in LPS

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
S5.3.3	S3	Safety training and briefings shall be provided to all personnel.	Land sites for GRSs within BPPS and LPS / During construction / During operation	Contractor(s) / CAPCO / HK Electric		✓	✓	-	✓ for GRS in BPPS N/A for GRS in LPS
S5.3.3	S3	Regular site safety inspections/ audits shall be conducted.	Land sites for GRSs within BPPS and LPS / During construction/ During operation	Contractor(s) / CAPCO / HK Electric		✓	✓	-	✓ for GRS in BPPS N/A for GRS in LPS
S5.3.3	S3	Method statements and risk assessments shall be prepared and safety control measures shall be in place before commencement of work.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-	✓ for GRS in BPPS N/A for GRS in LPS
S5.3.3	S3	Work permit system, on-site pre-work risk assessment and emergency response procedure shall be in place before commencement of work.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-	✓ for GRS in BPPS N/A for GRS in LPS
S5.3.3	S3	All construction workers shall be under close site supervision during the construction phase of the GRSs.	Land sites for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-	✓ for GRS in BPPS N/A for GRS in LPS
S5.4.1	S3	An emergency response plan will be put in place which fully	Transit of the LNGC and FSRU Vessel	HKLTL			✓	-	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		documents the procedures to be followed in the event of an emergency.	under Emergency Situation / During operation						
S5.3.3	S3	Method statements and risk assessments shall be prepared and safety control measures should be in place before the commencement of construction works.	LNG Terminal / During construction	Contractor(s)		✓		-	✓
S5.3.3	S3	Work permit system, on-site pre-work risk assessment and emergency response procedure shall be in place before commencement of construction works.	LNG Terminal / During construction	Contractor(s)		✓		-	✓
S5.3.3	S3	All construction workers shall be under close site supervision during the construction phase of the LNG Terminal.	LNG Terminal / During construction	Contractor(s)		✓		-	✓
S5.3.3	S3	All personnel within the LNG Terminal shall comply with relevant safety policy and requirements.	LNG Terminal / During operation	HKLTL			✓	-	N/A
S5.3.3	S3	All operation work procedures shall be complied with relevant codes and standards (e.g.	LNG Terminal / During operation	HKLTL			✓	-	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		SIGTTO) and regulatory requirements.							
S5.3.3	S3	Work permit system and emergency response procedure shall be in place.	LNG Terminal / During operation	HKLTL			✓	-	N/A
S5.3.3	S3	Robust and extended process control system, safety control system, fire-fighting system and security system shall be provided.	LNG Terminal / During operation	HKLTL			✓	-	N/A
S5.3.3	S3	Sufficient and trained / competent staff shall be provided to operate the LNG Terminal.	LNG Terminal / During operation	HKLTL			✓	-	N/A
S5.3.3	S3	Regular safety inspections/audits shall be conducted.	LNG Terminal / During operation	HKLTL			✓	-	N/A
<b>Noise</b>									
S6.7	S4	N/A							N/A
<b>Water Quality</b>									
S7.9.1	S5	A detailed hydrotesting procedure for subsea pipelines will be developed that will detail how the process will be carried out, how it will be carefully controlled and monitored, and how the intake and subsequent discharge of the	LNG Terminal / During construction	Contractor(s)		✓		TM Standard under the WPCO, WPCO license requirements, WQO	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		seawater will be managed. Water quality monitoring for commissioning hydrotest for the subsea pipelines is presented in Section 5.3.5 of the Updated EM&A Manual.							
S7.9.1	S5	Adoption of appropriate dredging and jetting rates, plant numbers and silt curtains at the plant and WSRs, where applicable ( <b>Table 7.18</b> of the EIA Report, reprovided as <b>Table A.2</b> below).	Marine Dredging & Jetting for the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		-	N/A
S7.9.1	S5	Grab dredging can be conducted concurrently with one TSHD.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		-	N/A
S7.9.1	S5	One jetting machine will be working on each pipeline.	Marine Jetting for the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		-	N/A
S7.9.1	S5	Cofferdam construction and removal at landfalls of BPPS and LPS (where required) should not be conducted concurrently with the nearby pipeline dredging sections (BPPS KP44.9 - 45.0 and	Pipeline landfalls for the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		-	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		LPS KP17.4-18.2). Silt curtain surrounding the works areas for cofferdam construction and removal at pipeline landfalls of the BPPS and the LPS should also be implemented.							
S7.9.1/ S7.9.2	S5	<p>The following measures shall be followed for provision of silt curtain:</p> <ul style="list-style-type: none"> <li>The silt curtain shall be formed and installed in such a way that tidal rise and fall are accommodated, with the silt curtains always extending from the surface to the bottom of the water column and held with anchor blocks.</li> <li>Schematic diagrams on silt curtain deployment are provided in <b>Figures 7.4</b> and <b>7.5</b> of the EIA Report.</li> <li>The contractor shall regularly inspect the silt curtains and check that they are moored and marked to avoid danger to marine traffic.</li> <li>Regular inspection on the integrity of the silt curtain should be carried out by the contractor and any damage to the silt curtain shall be repaired by the contractor promptly.</li> </ul>	<p>Marine Dredging &amp; Jetting for the BPPS Pipeline and the LPS Pipeline / During construction</p> <p>Marine Maintenance Dredging (LNG Terminal) / During operation</p>	Contractor(s)		✓	✓	-	N/A



**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		<ul style="list-style-type: none"> <li>Relevant marine works shall only be undertaken when the repair is fixed to the satisfaction of the engineer.</li> </ul>							
S7.9.1 / S7.9.2	S5	All vessels should be well maintained and inspected before use to limit any potential discharges to the marine environment.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction  Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s)		✓	✓	-	N/A
S7.9.1	S5	All vessels must have a clean ballast system.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction	Contractor(s)		✓		-	N/A
S7.9.1 / S7.9.2	S5	No overflow is permitted from the trailing suction hopper dredger and the Lean Mixture Overboard (LMOB) system will only be in operation at the beginning and end of the dredging cycle when the drag head is being lowered and raised.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction  Marine Maintenance Dredging (LNG	Contractor(s)		✓	✓	-	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
			Terminal) / During operation						
S7.9.1 / S7.9.2	S5	Dredged marine mud will be disposed of in a gazetted marine disposal area in accordance with the Dumping at Sea Ordinance (DASO) permit conditions.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction  Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s)		✓	✓	-	N/A
S7.9.1 / S7.9.2	S5	Dredgers will maintain adequate clearance between vessels and the seabed at all states of the tide and reduce operations speed to ensure that excessive turbidity is not generated by turbulence from vessel movement or propeller wash.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction  Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s)		✓	✓	-	N/A
S7.9.1 / S7.9.2	S5	Marine works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site. Wastewater from	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During	Contractor(s)		✓	✓	-	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		potentially contaminated area on working vessels should be minimised and collected. These kinds of wastewater should be brought back to port and discharged at appropriate collection and treatment system.	construction / During operation						
S7.9.1 / S7.9.2	S5	No solid waste is allowed to be disposed overboard.	Marine Dredging for the BPPS Pipeline and the LPS Pipeline / During construction / During operation	Contractor(s)		✓	✓	-	N/A
S7.9.1	S5	Appropriate infiltration control, such as cofferdam wall, should be adopted to limit groundwater inflow to the excavation works areas in the Project site. Groundwater pumped out from excavation area should be discharged into the storm system via silt removal facilities.	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-	N/A
S7.9.1	S5	Silt removal facilities such as silt traps or sedimentation facilities will be provided to remove silt particles from runoff to meet the requirements of the TM standard under the WPCO. The design of silt removal facilities will be based on the guidelines provided in	Land sites & drainages for GRSs within BPPS and LPS / During construction	Contractor(s)		✓		<i>ProPECC PN 1/94</i> , TM Standard under the <i>WPCO</i>	✓ for GRS in BPPS  N/A for GRS in LPS

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		ProPECC PN 1/94. All drainage facilities and erosion and sediment control structures will be inspected on a regular basis and maintained to confirm proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit will be removed regularly.							
S7.9.1	S5	Earthworks to form the final surfaces will be followed up with surface protection and drainage works to prevent erosion caused by rainstorms.	Land sites & drainages for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		-	N/A
S7.9.1	S5	Appropriate surface drainage will be designed and provided where necessary.	Land sites & drainages for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		-	N/A
S 7.9.1	S5	The precautions to be taken at any time of year when rainstorms are likely together with the actions to be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94.	Land sites & drainages for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		ProPECC PN 1/94	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for  
December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
S7.9.1	S5	Oil interceptors will be provided in the drainage system where necessary and regularly emptied to prevent the release of oil and grease into the storm water drainage system after accidental spillages.	Land sites & drainages for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		-	N/A
S7.9.1	S5	Temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge, if any, will be adequately designed for the controlled release of storm flows.	Land sites & drainages for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		-	✓ for GRSS in BPPS N/A for GRSS in LPS
S7.9.1	S5	The temporary diverted drainage, if any, will be reinstated to the original condition when the construction work has finished or when the temporary diversion is no longer required.	Land sites & drainages for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		-	N/A
S7.9.1	S5	Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the construction workers over the construction site to prevent direct disposal of sewage into the water environment. No onsite discharge from these chemical toilets would be allowed.	Land sites & drainages for GRSS within BPPS and LPS / During construction	Contractor(s)		✓		-	✓ for GRSS in BPPS N/A for GRSS in LPS

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
S 7.9.2	S5	Mitigation measures for maintenance dredging at the LNG Terminal in form of controlled dredging rate (maximum of 5,500m <sup>3</sup> day <sup>-1</sup> ) as well as silt curtain should be implemented for the control of sediment dispersion and the protection of the nearby WSRs.	Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s) / HKLTL			✓	-	N/A
S 7.9.2 / S9.11.3	S5 / S7	A project-specific contingency plan (including protocols for avoidance, containment, remediation and reporting accidental fuel spill event) will be prepared and implemented to contain and clean up the spilled or leaked fuels or chemicals at the LNG Terminal, surrounding waters and marine parks.	Fuel spillage for the LNG Terminal / During operation	Contractor(s) / HKLTL			✓		N/A
S7.12.1	S5.2-S5.5	Marine water quality monitoring at selected WSRs is recommended for marine dredging and jetting works for the pipeline construction.	Designated monitoring stations as defined in EM&A Manual / During marine construction period	Environmental Team (ET)		✓		-	N/A
S7.12.1	S5.2-S5.5	To ensure proper implementation of the recommended mitigation measures and good construction site practices during marine-based	Marine sites for the LNG Terminal, the BPPS Pipeline and	Contractor(s)/ Environmental Team (ET) & Independent		✓		-	✓ for LNG Terminal

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		construction works, environmental site audits on a regular basis is recommended throughout the construction period.	the LPS Pipeline / During construction	Environmental Checker (IEC)					N/A for BPPS and LPS Pipelines
S7.12.2	S5.2-S5.5	Water quality monitoring at the selected nearby WSRs is recommended for first year of operation of the LNG Terminal.	During operation for the LNG Terminal	Environmental Team (ET)/ HKLTL			✓	TM Standard under the WPCO, WPCO license requirements, WQO	N/A
S7.12.2	S5.2-S5.5	During maintenance dredging at the LNG Terminal, water quality monitoring at the selected nearby WSRs would be required.	Marine Maintenance Dredging (LNG Terminal) / During operation	Contractor(s) / HKLTL			✓	TM Standard under the WPCO, WPCO license requirements, WQO	N/A
<b>Waste Management</b>									
S8.5	S6.2	The contractor(s) will nominate approved personnel to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site.	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-	✓
S8.5	S6.2	Good waste management practices should be implemented: <ul style="list-style-type: none"> <li>Training of site personnel in proper waste management</li> </ul>	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-	✓ for 1 <sup>st</sup> , 3 <sup>rd</sup> , 5 <sup>th</sup> , 6 <sup>th</sup> & 7 <sup>th</sup> bullet points for GRS in BPPS



**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		and chemical handling procedures; <ul style="list-style-type: none"> <li>• Separation of chemical wastes for special handling and appropriate treatment at the Chemical Waste Treatment Centre;</li> <li>• Encourage collection of aluminium cans and waste paper by individual collectors during construction with separate labelled bins provided to segregate these wastes from other general refuse by the workforce;</li> <li>• Any unused chemicals, and those with remaining functional capacity, be recycled as far as possible;</li> <li>• Prior to disposal of C&amp;D materials, wood, steel and other metals will be separated, to the extent practical for re-use and/or recycling to reduce the quantity of waste to be disposed in a landfill;</li> <li>• Proper storage and site practices to reduce the potential for damage or contamination of construction materials; and</li> </ul>						N/A for 2 <sup>nd</sup> & 4 <sup>th</sup> bullet points for GRS in BPPS  ✓ for 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , 5 <sup>th</sup> , 6 <sup>th</sup> & 7 <sup>th</sup> bullet points for LNG Terminal  N/A for 4 <sup>th</sup> bullet point for LNG Terminal	

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		<ul style="list-style-type: none"> <li>Plan and stock construction materials carefully to reduce amount of waste generated and avoid unnecessary generation of waste.</li> </ul>							
S8.5	Table 6.1	The contractor(s) must provide sufficient waste disposal points. Wastes will be collected and removed from site in a timely manner.	All areas / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	✓
S8.5	Table 6.1	The contractor(s) will have appropriate measures to reduce windblown/ floating litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	All areas / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	N/A
S8.5	Table 6.1	The contractor(s) will take and keep records of quantities of wastes generated, recycled and disposed of and the disposal sites.	All areas / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	✓
S8.5	Table 6.1	The contractor(s) must segregate and store different types of waste in different containers, skips or stockpiles to enhance reuse and recycling of material and proper disposal of waste.	All areas / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
S8.5	S6.2	The contractor(s) will use reusable non-timber formwork to reduce the amount of C&D materials.	All areas / During construction	Contractor(s)		✓		-	N/A
S8.5	Table 6.1	The contractor(s) must ensure that all the necessary waste disposal and marine dumping permits or licences are obtained prior to the commencement of the construction works.	During construction	Contractor(s)		✓		-	✓ for waste disposal licenses
S8.5	S6.2	The contractor will open a billing account with EPD in accordance with the <i>Waste Disposal (Charges for Disposal of Construction Waste) Regulation</i> for the payment of disposal charges.	During construction	Contractor(s)		✓		<i>Cap 354N Waste Disposal (Charges for Disposal of Construction Waste) Regulation</i>	✓
S8.5	S6.2	A trip-ticket system will be established in accordance with <i>DEVB TC(W) No. 6/2010</i> to monitor the reuse of surplus excavated materials off-site and disposal of construction waste and general refuse at transfer facilities/ landfills, and to control fly-tipping.	During construction	Contractor(s)		✓		<i>DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction &amp; Demolition Materials</i>	✓
S8.5	S6.2	A WMP as stated in the <i>PNAP ADV-19</i> for the amount of waste generated, recycled and disposed of (including the disposal sites) will be established and implemented	All areas / During construction	Contractor(s)		✓		<i>PNAP ADV-19</i>	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		during the construction phase as part of the Environmental Management Plan (EMP). The Contractor will be required to prepare the EMP and submits it to the Architect/ Engineer under the Contract for approval prior to implementation.							
S8.5	Table 6.1	The management of dredged marine sediment requirement from <i>PNAP ADV-21</i> will be incorporated in the Contract for the construction and maintenance dredging during the operation of the Project.	Marine works / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	<i>PNAP ADV-21</i> and <i>Dumping at Sea Ordinance (DASO)</i>	N/A
S8.5/ S7.9	S6.2 / S5	Disposal vessels will be fitted with tight bottom seals in order to prevent leakage of material during transport.	Dredged areas / During construction	Contractor(s)/ Project Proponents		✓		<i>Dumping at Sea Ordinance (DASO)</i>	N/A
S8.5/ S7.9	S6.2 / S5	Barges will be filled to a level, which ensures that of marine sediment and marine sediment laden water does not spill over during loading or transport to the disposal site and that adequate freeboard is maintained to ensure that the decks are not washed by wave action.	Dredged areas / During construction	Contractor(s)/ Project Proponents		✓		<i>Dumping at Sea Ordinance (DASO)</i>	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
S8.5/ S7.9	S6.2 / S5	After dredging, any excess materials will be cleaned from decks and exposed fittings before the vessel is moved from the dredging area.	Dredged areas / During construction	Contractor(s)/ Project Proponents		✓		<i>Dumping at Sea Ordinance (DASO)</i>	N/A
S8.5/ S7.9	S6.2 / S5	When the dredged material has been unloaded at the disposal areas, any material that has accumulated on the deck or other exposed parts of the vessel will be removed and placed in the hold or a hopper. Under no circumstances will decks be washed clean in a way that permits material to be released overboard.	Dredged areas / During construction	Contractor(s)/ Project Proponents		✓			N/A
S8.5	S6.2	Dredgers will maintain adequate clearance between vessels and the seabed at all states of the tide and reduce operations speed to ensure that excessive turbidity is not generated by turbulence from vessel movement or propeller wash.	Dredged areas / During construction	Contractor(s)/ Project Proponents		✓			N/A
S8.5	Table 6.1	C&D materials will be segregated on-site into public fill and non-inert C&D materials and stored in different containers or skips to facilitate reuse of the public fill and	During construction	Contractor(s)		✓		-	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		proper disposal of the construction waste. Specific areas of the land and marine-based construction sites will be designated for such segregation and storage if immediate use is not practicable. Prefabrication will be adopted as far as practicable to reduce the construction waste arisings.							
S8.5	Table 6.1	The contractor(s) will register as a chemical waste producer with the EPD. Chemical waste will be handled in accordance with the <i>Code of Practice on the Packaging, Handling and Storage of Chemical Wastes</i> .	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	<i>Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes</i>	✓ for registration of waste producer  ✳ for handling of chemical waste for GRS in BPPS
S8.5	Table 6.1	Containers used for storage of chemical wastes will: <ul style="list-style-type: none"> <li>Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed;</li> <li>Have a capacity of less than 450 L unless the specifications have been approved by the EPD; and</li> </ul>	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	<i>Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes</i>	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		<ul style="list-style-type: none"> <li>Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulations.</li> </ul>							
S8.5	Table 6.1	<p>The storage area for chemical wastes will:</p> <ul style="list-style-type: none"> <li>Be clearly labelled and used solely for the storage of chemical waste;</li> <li>Be enclosed on at least 3 sides;</li> <li>Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest;</li> <li>Have adequate ventilation;</li> <li>Be covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and</li> </ul>	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes	✓



**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		<ul style="list-style-type: none"> <li>Be arranged so that incompatible materials are appropriately separated.</li> </ul>							
S8.5	Table 6.1	<p>Chemical waste will be disposed of:</p> <ul style="list-style-type: none"> <li>Via a licensed waste collector; and</li> <li>To a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility which also offers a chemical waste collection service and can supply the necessary storage containers.</li> </ul>	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes	N/A
S8.5	Table 6.1	<p>General refuse (including the floating refuse collected) will be stored in enclosed bins separately from C&amp;D materials and chemical wastes. Floating refuse will be collected on an 'as needed' basis for disposal as general refuse. Workers will be prohibited from throwing rubbish into the sea and adequate bins will be provided on both land and marine-based sites and marine vessels. General refuse will be delivered separately from C&amp;D materials and chemical</p>	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		wastes for offsite disposal on a regular basis to reduce odour, pest and litter impacts. General refuse from the marine vessels will be collected and disposed on shore.							
S8.5	Table 6.1	Recycling bins will be provided at strategic locations within the land and marine-based construction site and marine vessels to facilitate recovery of recyclable materials (including aluminium can, waste paper, glass bottles and plastic bottles) from the Project Site. Materials recovered will be sold for recycling.	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-	✓ for provision of recycling bins  N/A for material recovered being sold for recycling
S8.5	S6.2	To avoid any odour and litter impact, appropriate number of portable toilets will be provided for workers on-site.	All areas / During construction / During operation	Contractor(s)		✓	✓	-	✓
S8.5	S6.2	At the commencement of the construction works and operations, training will be provided to workers on the concepts of site cleanliness and on appropriate waste management procedures, including waste reduction, reuse and recycling. In particular, the training will emphasize no	All areas / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		dumping of waste into the sea is allowed, particularly at marine-based work sites and on marine vessels.							
S8.5	S6.2	Industrial waste arising from maintenance activities will be segregated. Scrap metals and recyclables will be sent for recycling to reduce the overall quantity of waste disposed from these activities.	All areas / During operation	Project Proponents			✓	-	N/A
S8.7	S6.1	It is recommended that monthly audits of the waste management practices be carried out during the construction phase land-based work sites (at the GRSs at the BPPS and the LPS), and at marine-based work sites (on marine vessels and Jetty) to determine if wastes are being managed in accordance with the recommended good site practices and WMP. The audits will include all aspects of waste management including waste generation, storage, handling, recycling, transportation and disposal, to prevent any dumping of waste into the sea or malpractice of waste disposal.	All areas / During construction	Contractor(s)/ Environmental Team (ET) & Independent Environmental Checker (IEC)		✓		-	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
<b>Ecology</b>									
S9.11.2	S7	The vessel operators will be required to control and manage all effluent from vessels. These kinds of wastewater shall be brought back to port where possible and discharged at appropriate collection and treatment system to prevent avoidable water quality impact.	Marine works / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-	✓
S9.11.2	S7	A policy of no dumping of rubbish, food, oil, or chemicals will be strictly enforced. This will also be covered in the contractor briefings.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	✓
S9.11.2	S7	Only well-maintained and inspected vessels would be used to limit any potential discharges to the marine environment.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	✓
S9.11.2	S7	Standard site practices outlined in <i>ProPECC PN 1/94 "Construction Site Drainage"</i> will be followed as far as practicable in order to reduce surface runoff, minimise erosion, and also to retain and reduce any SS prior to discharge.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	<i>ProPECC PN 1/94</i>	✓
S9.11.3	S7	Pipeline dredging/ jetting works between North of Tai O and Fan Lau (BPPS KP21.3 to 15.6) will	Marine works (Dredging/ jetting works between	Contractor(s)		✓		-	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		avoid the peak months of Chinese White Dolphin (CWD) calving (May and June).	North of Tai O and Fan Lau along the BPPS Pipeline) / During construction						
S9.11.3	S7	Pipeline dredging/ jetting works between South of Soko Islands and the LNG Terminal (BPPS KP8.9 to 0.0) will be restricted to a daily maximum of 12 hours with daylight (0700 – 1900) operations.	Marine works (Dredging/ jetting works between South of Soko Islands and the LNG Terminal along the BPPS Pipeline) / During construction	Contractor(s)		✓		-	N/A
S9.11.3	S7	Pipeline dredging/ jetting from LNG Terminal to South of Shek Kwu Chau (LPS KP0.0 to 5.0) will be restricted to a daily maximum of 12 hours with daytime (0700 – 1900) operations.	Marine works (Dredging/ jetting works between from LNG Terminal to South of Shek Kwu Chau along the LPS Pipeline) / During construction	Contractor(s)		✓		-	N/A
S9.11.3	S7	Use of vibratory/ hydraulic pushing method to vibrate / push the open-ended steel tubular pile for the upper layer of the seabed and only use hydraulic hammer (if needed) to install the remainder of the pile length through the lower layer of	Marine works (Piling at the LNG Terminal) / During construction	Contractor(s)		✓		-	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		<p>the seabed. During underwater percussive piling works:</p> <ul style="list-style-type: none"> <li>• Quieter hydraulic hammers should be used instead of the noisier diesel hammers;</li> <li>• Use of Noise Reduction System for hydraulic hammering;</li> <li>• Acoustic decoupling of noisy equipment on work barges should be undertaken;</li> <li>• Using ramp-up piling procedures. This comprises of low energy driving for a period of time prior to commencement of full piling. This will promote avoidance of the area by marine mammals when sounds levels are not injurious. Blow frequency during this ramping up period should replicate the intensity that would be undertaken during full piling (e.g. one blow every two seconds) to provide cues for marine mammals to localize the sound source. Pile blow energy should be ramped up gradually over the 'soft start' period. Activities will be continuous without short-</li> </ul>							

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		breaks and avoiding sudden random loud sound emissions; <ul style="list-style-type: none"> <li>Underwater percussive piling should be conducted inside a bubble curtain so as to ameliorate underwater sound level transmission;</li> <li>The percussive pile driving will be conducted during the daytime (0700 – 1900) for a maximum of 12 hours, avoiding generation of underwater sounds at night time; and</li> <li>Underwater percussive piling works for the Jetty construction will avoid the peak season of FP (December to May).</li> </ul>							
S9.11.3	S7	The vessel operators of this Project will be required to use predefined and regular routes (that do not encroach into existing and proposed marine parks), make use of designated fairways to access the works areas, and would avoid traversing sensitive habitats such as existing and proposed marine parks (with the exception of the FSRU Vessel which will need to transit through	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	✓



**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		the proposed SLMP during manoeuvring to the Jetty and after typhoon event due to its safe operational requirement).							
S9.11.3	S7	Any anchoring/ anchor spread requirements during Project construction will avoid encroachment into the existing and proposed marine parks.	Marine works (on existing, planned and potential marine parks) / During construction	Contractor(s)/ Project Proponents		✓		-	✓
S9.11.3	S7	Silt curtain deployment during Project construction and maintenance dredging will avoid encroachment into the existing and proposed marine parks.	Marine works (on existing, planned and potential marine parks) / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-	N/A
S9.11.3	S7	No stopping over or anchoring activity of vessels related to the Project should be conducted within existing and proposed marine parks, even before, during and after typhoon.	Marine works (on existing, planned and potential marine parks) / During construction / During operation	Contractor(s)/ Project Proponents		✓	✓	-	✓
S9.11.3	S7	Use of appropriate dredging and jetting rates with the use of silt curtain where needed as recommended in the Water Quality section ( <b>Section 7</b> of the EIA Report) to reduce potential water quality impacts from	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		elevated suspended solids (SS) due to the proposed marine works.							
S9.11.3	S7	Silt curtain will be checked and maintained to ensure its effectiveness in mitigating water quality impacts on existing, planned and potential marine parks.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	N/A
S9.11.3	S7	All vessel operators working on the Project will be given a briefing, alerting them to the locations of the existing, proposed and potential marine parks and the regulations for marine parks, the possible presence of dolphins and porpoises in the marine works areas, and the guidelines for safe vessel operation in the presence of cetaceans. The vessels will avoid using high speed as far as possible. By observing the guidelines, vessels will be operated in an appropriate manner so that marine mammals will not be subject to undue disturbance or harassment.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
S9.11.3	S7	All vessels used in this Project will be required to slow down to 10 knots around the Project's marine works areas and areas with high dolphin and porpoise usage, including existing and proposed marine parks. With implementation of this measure, the chance of vessel strike resulting in physical injury or mortality of marine mammals will be extremely unlikely.	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	✓
S9.11.3	S7	During underwater percussive piling works, a marine mammal exclusion zone within a radius of 500m radius will be implemented during underwater percussive piling works. Qualified observer(s) will scan an exclusion zone of 500m radius around the work area for at least 30 minutes prior to the start of piling. If a marine mammal is observed in the exclusion zone, piling will be delayed until they have left the area. This measure will ensure the area in the vicinity of the underwater percussive piling work is clear of marine mammals prior to the commencement of works and will serve to reduce any disturbance to marine mammals. When a marine	Marine works / During construction	Contractor(s) / Project Proponents		✓		-	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		mammal is spotted by qualified personnel within the exclusion zone, piling works will cease and will not resume until the observer confirms that the zone has been continuously clear of the marine mammal for a period of 30 minutes. This measure will ensure the area in the vicinity of the piling is clear of the marine mammal during works and will serve to reduce any disturbance to marine mammals.							
S9.11.3	S7	During marine dredging or jetting operations, a marine mammal exclusion zone within a radius of 250m from dredger or jetting machine will be implemented. Qualified observer(s) will scan an exclusion zone of 250m radius around the work area for at least 30 minutes prior to the start of dredging or jetting. If cetaceans or other megafauna are observed in the exclusion zone, dredging or jetting will be delayed until they have left the area. This measure will ensure the area in the vicinity of the dredging or jetting work is clear of marine mammals prior to the commencement of works and will serve to reduce any	Marine works / During construction / During operation	Contractor(s) / Project Proponents		✓	✓	-	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		disturbance to marine mammals. When a marine mammal is spotted by qualified personnel within the exclusion zone, dredging or jetting works will cease and will not resume until the observer confirms that the zone has been continuously clear of the marine mammal for a period of 30 minutes. This measure will ensure the area in the vicinity of the works is clear of the marine mammal during works and will serve to reduce any disturbance to marine mammals. If necessary, for night-time works, exclusion zone monitoring for FP by underwater acoustic means would be explored to supplement the exclusion zone monitoring by trained observers. A site trial will be conducted to demonstrate its practicability/ effectiveness before actual implementation during the night-time works.							
S9.11.3	S7	Implementation of a contingency plan to contain and clean up the spilled or leaked fuels or chemicals at the LNG Terminal, surrounding waters and marine parks.	Marine site for the LNG Terminal / During operation	Contractor(s) / HKLTL			✓	-	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
S9.15.1	S7	Baseline, impact and post-construction monitoring of marine mammal using vessel-based line transect surveys and passive acoustic monitoring (PAM) will be undertaken to keep track of potential changes in the usage of waters in the vicinity of the Project's works areas by FP. Prior to the commencement of monitoring, methods will be agreed with the AFCD.	Marine site / During construction	Contractor(s) / ET/ Project Proponents		✓		-	✓
<b>Fisheries</b>									
S10.8	S8	The mitigation measures designed to mitigate impacts to water quality to acceptable levels (compliance with assessment criteria) and marine ecological impacts are expected to mitigate impacts to fisheries resources.	During construction and operation	Contractor(s) / Project Proponents / Environmental Team (ET) & Independent Environmental Checker (IEC)		✓	✓	-	✓
S10.8	S8	Impingement and entrainment of fisheries resources will be reduced through appropriate design of the intake screens on the cooling water intake.	During operation for the LNG Terminal	Contractor(s) / HKLTL			✓	-	N/A
<b>Visual</b>									
S11.8	S9	Sensitive architectural design of the new facilities. This should take into account material texture,	All areas / Detailed design / During	Design Contractor / Project Proponents	✓	✓	✓	-	✓

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		colour, finished to structure and the context of the site to ensure the GRSs at the BPPS and LPS blend into the existing context, cause least disturbance to the existing land. LNG Terminal will be designed for marine safety and operations, in accordance with relevant standards and regulations and sensitive architectural design will be considered where practicable.	construction / During operation						
S11.8	S9	Pre-construction and construction period for the GRSs and LNG Terminal should be reduced as far as practical to lower visual impact.	All areas / During construction	Contractor(s)		✓		-	✓ for GRS in BPPS and LNG Terminal  N/A for GRS in LPS
S11.8	S9	Following construction, land areas temporarily affected by the construction works, will be reinstated to their former state.	Land sites for the GRSs within BPPS and LPS / During construction	Contractor(s)		✓		-	✓ for GRS in BPPS  N/A for GRS in LPS
S11.8	S9	Light intensity and beam directional angle should be controlled at the GRSs and the LNG Terminal at the design stage to reduce light pollution and glare	All areas / Detailed design / During operation	Design Contractor / Project Proponents	✓		✓	-	N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

Monthly Environmental Monitoring and Audit (EM&A) Report for December 2020

EIA Reference	EM&A Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Location/ duration of recommended measures & timing of completion of recommended measures	Implementation Agent	Implementation Stage <sup>(1)</sup>			Relevant Legislation & Guidelines	Implementation Status
					D	C	O		
		(e.g. hooded lights, specific directional focus, etc.).							
S11.8	S9	Any plants to be affected by the GRSs at the BPPS and the LPS should be preserved and care taken to ensure the existing health status of the vegetation is maintained or enhanced after construction.	All areas / During construction	Contractor(s)		✓		-	✓ for GRS in BPPS  N/A for GRS in LPS
<b>Cultural Heritage</b>									
S12.7	S10	N/A							N/A



**TABLE C.2 SUMMARY OF MITIGATION MEASURES FOR PIPELINE CONSTRUCTION WORKS**

Work Location	Plants Involved	Allowed Maximum Work Rate	Silt Curtain at Plants	Silt Curtain at Water Sensitive Receivers	Other Measures	Implementation Status
<b>LPS Pipeline (under FEP-02/558/2018/A)</b>						
Pipeline shore approach at LPS (KP17.4-18.2)	1 Grab Dredger	1,600m <sup>3</sup> day <sup>-1</sup> for 24 hours each day	Yes	Not required		N/A
West Lamma Channel (KP14.5-17.4)	1 Jetting Machine	1,000m day <sup>-1</sup> for 24 hours each day	Yes	Not required		N/A
South of Shek Kwu Chau to West Lamma Channel (KP5.0-14.5)	1 Jetting Machine	7,000m day <sup>-1</sup> for 24 hours each day	Yes	Not required		N/A
Double Berth Jetty to South of Shek Kwu Chau (KP0.1-5.0)	1 Jetting Machine	720m day <sup>-1</sup> for 24 hours each day	Yes	Two layers at Eastern Boundary of the Proposed South Lantau Marine Park (KP0.1-5.0)	Daily maximum of 12 hours with daylight (0700 – 1900)	N/A
<b>Pipeline Riser Sections at Double Berth Jetty (under FEP-02/558/2018/A and FEP-03/558/2018)</b>						
Pipeline Riser (KP0.0-0.1 for both pipelines)	1 Grab Dredger	8,000m <sup>3</sup> day <sup>-1</sup> for 24 hours each day	Yes	Not required	Daily maximum of 12 hours with daylight (0700 – 1900)	N/A
<b>BPPS Pipeline (under FEP-03/558/2018)</b>						
Jetty Approach (KP0.1-5.0), excluding Subsea Cable Sterile Corridors	1 Jetting Machine	1,000m day <sup>-1</sup> for 24 hours each day	Yes	Not required for grab dredging; Two layers at Southern Boundary of the Proposed South Lantau Marine Park (KP0.1-8.9) for jetting	Daily maximum of 12 hours with daylight (0700 – 1900)	N/A
Subsea Cable Sterile Corridors (KP1.49-2.75 and KP3.55-4.43)	2 Grab Dredgers, followed by 1 Jetting Machine	8,000m <sup>3</sup> day <sup>-1</sup> for 24 hours each day for each dredger 720m day <sup>-1</sup> for 24 hours each day jetting machine	Yes			N/A
South of Soko Islands (KP5.0-8.9)	1 Jetting Machine	1,000m day <sup>-1</sup> for 24 hours each day	Yes			N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**

 Monthly Environmental Monitoring and Audit (EM&A) Report for  
 December 2020

Work Location	Plants Involved	Allowed Maximum Work Rate	Silt Curtain at Plants	Silt Curtain at Water Sensitive Receivers	Other Measures	Implementation Status
Southwest of Soko Islands (KP8.9-12.1)	1 Jetting Machine	1,000m day <sup>-1</sup> for 24 hours each day	Yes	Not required		N/A
Adamasta Channel (KP12.1-15.6)	1 Jetting Machine	1,000m day <sup>-1</sup> for 24 hours each day	Yes	Not required		N/A
Southwest Lantau (KP15.6-21.3)	1 Jetting Machine	1,500 m day <sup>-1</sup> for 24 hours each day	Yes	Not required	Avoid the peak months of Chinese White Dolphin (CWD) calving (May and June)	N/A
West of Tai O to West of HKIA (KP21.3-31.5)	1 Jetting Machine	1,500m day <sup>-1</sup> for 24 hours each day from KP KP26.2 to 21.3 720m day <sup>-1</sup> for 24 hours each day from KP31.5 to 26.2	Yes	Not required		N/A
Sha Chau to Lung Kwu Chau (KP31.5-36.0)	1 Jetting Machine	720m day <sup>-1</sup> for 24 hours each day	Yes	Two layers at Western Boundary of the Sha Chau and Lung Kwu Chau Marine Park (KP31.5-36.0)		N/A
Sha Chau to Lung Kwu Chau (KP36.0-37.5)	1 Jetting Machine	720m day <sup>-1</sup> for 24 hours each day	Yes	Two layers at Western Boundary of the Sha Chau and Lung Kwu Chau Marine Park (KP36.0-37.5)		N/A
Lung Kwu Chau to Urmston Anchorage (KP37.5-41.1)	1 Jetting Machine	1,000m day <sup>-1</sup> for 24 hours each day	Yes	Two layers at Northwestern corner of Sha Chau and Lung Kwu Chau Marine Park (KP37.5-41.1)		N/A
Urmston Road (KP41.1-42.9)	1 Grab Dredger	8,000m <sup>3</sup> day <sup>-1</sup> for 24 hours each day	Yes	Not required		N/A

**HONG KONG OFFSHORE LNG TERMINAL PROJECT**Monthly Environmental Monitoring and Audit (EM&A) Report for  
December 2020

<b>Work Location</b>	<b>Plants Involved</b>	<b>Allowed Maximum Work Rate</b>	<b>Silt Curtain at Plants</b>	<b>Silt Curtain at Water Sensitive Receivers</b>	<b>Other Measures</b>	<b>Implementation Status</b>
West of BPPS (KP42.9-44.9)	1 Jetting Machine	1,000m day <sup>-1</sup> for 24 hours each day	Yes	Two layers at CR1, CR2 (Note 1)		N/A
Pipeline shore approach at BPPS (KP44.9-45.0)	1 Grab Dredger	1,500m <sup>3</sup> day <sup>-1</sup> for 24 hours each day	Yes	Two layers at CR1, CR2 (Note 1)		N/A

Note: (1) CR1 and CR2 denote the coral colonies identified at the artificial seawall at BPPS.

## **ANNEX D**

### **STATUS OF STATUTORY ENVIRONMENTAL REQUIREMENTS**

**TABLE D.1 STATUS OF STATUTORY ENVIRONMENTAL REQUIREMENTS FOR WHOLE PROJECT (FEP-01/558/2018/A, FEP-02/558/2018/A & FEP-03/558/2018)**

Item	Description	Ref. No.	Date of Expiry	Status
1	Notification Pursuant to Section 3(1) of <i>Air Pollution Control (Construction Dust) Regulation</i>	454879	N/A	Valid
2	Billing Account under <i>Waste Disposal (Charges for Disposal of Construction Waste) Regulation</i>	7037035	N/A	Valid
3	Registration as Chemical Waste Producer under <i>Waste Disposal (Chemical Waste) (General) Regulation</i>	WPN 5213-912-C4445-01 (Note 1)	N/A	Registration completed on 12 May 2020
4	Construction Noise Permit (for construction site for the Hong Kong Offshore LNG Terminal Project) under <i>Noise Control Ordinance</i>	GW- RS0911-20 (Note 2)	3 Jun 2021	Validity from 4 Dec 2020 to 3 Jun 2021
5	Construction Noise Permit (for construction site for the Hong Kong Offshore LNG Terminal Project) under <i>Noise Control Ordinance</i>	GW-RS0955-20	13 Jun 2021	Validity from 17 Dec 2020 to 13 Jun 2021

Notes:

(1) The location/premises where the waste is produced (i.e. Working Vessel – Lan Jiang, Lan Jing, Hai Yang Shi You 202) as per the registration.

(2) Construction Noise Permit GW-RS0911-20 has been withdrawn and replaced by GW-RS0955-20.

**TABLE D.2 STATUS OF STATUTORY ENVIRONMENTAL REQUIREMENTS FOR FEP-01/558/2018/A**

Item	Description	Ref. No.	Date of Expiry	Status
1	Further Environmental Permit under <i>EIA Ordinance</i>	FEP-01/558/2018	N/A	Issued on 17 Jan 2020
2	Further Environmental Permit under <i>EIA Ordinance</i>	FEP-01/558/2018/A	N/A	Issued on 6 Nov 2020
3	Construction Noise Permit (for construction site of the water space between South of Shek Kwu Chau and East of Soko Islands, offshore area near boundary of Hong Kong) under <i>Noise Control Ordinance</i>	PP-RS0013-20	31 Dec 2020	Validity from 9 Oct to 31 Dec 2020

**TABLE D.3 STATUS OF STATUTORY ENVIRONMENTAL REQUIREMENTS FOR FEP-02/558/2018/A**

Item	Description	Ref. No.	Date of Expiry	Status
1	Further Environmental Permit under <i>EIA Ordinance</i>	FEP-02/558/2018	N/A	Issued on 17 Jan 2020
2	Further Environmental Permit under <i>EIA Ordinance</i>	FEP-02/558/2018/A	N/A	Issued on 22 Dec 2020

**TABLE D.4 STATUS OF STATUTORY ENVIRONMENTAL REQUIREMENTS FOR FEP-03/558/2018**

Item	Description	Ref. No.	Date of Expiry	Status
1	Further Environmental Permit under <i>EIA Ordinance</i>	FEP-03/558/2018	N/A	Issued on 17 Jan 2020
2	Registration as Chemical Waste Producer under <i>Waste Disposal (Chemical Waste) (General) Regulation</i>	WPN 5293-431-P2781-26 (Note 1)	N/A	Registration completed on 1 Dec 2020
3	Construction Noise Permit (for offshore construction site near Urmston Road, Tuen Mun) under <i>Noise Control Ordinance</i>	GW-RW0389-20	14 Feb 2021	Validity from 28 Aug 2020 to 14 Feb 2021
4	Construction Noise Permit (for construction site near Eastern Road, BPPS, Yung Long Road, Tuen Mun) under <i>Noise Control Ordinance</i>	GW-RW0407-20	6 Mar 2021	Validity from 11 Sept 2020 to 6 Mar 2021

Notes:

(1) The location/premises where the waste is produced (i.e. Black Point Power Station) as per the registration.

## **ANNEX E**

### **WASTE MANAGEMENT CHECKLIST**

**TABLE E.1 WASTE MANAGEMENT CHECKLIST**

Activities	Timing	Checking Frequency	Works Area(s)	Compliance (✓) / Non-compliance (x)
Necessary waste disposal permits or licences have been obtained.	Before the commencement of works	Once	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	✓ ✓ ✓
Dredged sediments are managed and disposed in accordance with <i>PNAP ADV-21: Management Framework for Disposal of Dredged/ Excavated Sediment and Dumping at Sea Ordinance (DASO)</i> .	Throughout the dredging works	Each Month	FEP-02/558/2018/A FEP-03/558/2018	To be checked upon commencement of dredging operations
Waste are collected by licensed waste hauliers and disposed of at licensed sites.	Throughout the works	Each Week	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	✓ (1) ✓
Records of quantities of wastes generated, recycled and disposed of and the disposal sites are properly kept.	Throughout the works	Each Month	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	✓ (1) ✓
Sufficient waste disposal points are provided. Wastes are collected and removed from site in a timely manner. General refuse is collected on a regular basis.	Throughout the works	Each Week	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	✓ (1) ✓
Waste storage areas are properly cleaned and do not cause windblown litter and dust nuisance. Appropriate measures to reduce windblown litter and dust nuisance of waste will be adopted, e.g. by either covering trucks or by transporting wastes in enclosed containers.	Throughout the works	Each Week	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	✓ (1) ✓
Different types of waste are segregated in different containers or skip to enhance reuse and recycling of material and proper disposal of waste.	Throughout the works	Each Week	FEP-01/558/2018/A FEP-02/558/2018/A FEP-03/558/2018	✓ (1) ✓



<b>Activities</b>	<b>Timing</b>	<b>Checking Frequency</b>	<b>Works Area(s)</b>	<b>Compliance (✓) / Non-compliance (x)</b>
Chemical wastes are stored, handled and disposed of in accordance with the <i>Code of Practice on the Packaging, Handling and Storage of Chemical Wastes</i> , published by the EPD. Chemical wastes are separated for special handling and appropriate treatment at the Chemical Waste Treatment Centre at Tsing Yi.	Throughout the works	Each Week	FEP-01/558/2018/A	No chemical waste was produced in the reporting period.
			FEP-02/558/2018/A	(1)
			FEP-03/558/2018	No chemical waste was produced in the reporting period.

Remark: (1) The preparation works for marine-based works for FEP-02/558/2018/A (e.g. approval of marine dumping permit) were undertaken in December 2020. Therefore, no marine-based works for FEP-02/558/2018/A were undertaken in December 2020. Marine-based works for FEP-02/558/2018/A are expected to commence in January 2021.

## **ANNEX F**

### **WASTE FLOW TABLE**

**Project Name: Hong Kong Offshore LNG Terminal Project (FEP-01/558/2018/A)**

**Monthly Summary Waste Flow Table for 2020 (year)**

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rock and Large Broken Concrete ^1	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics ^2	Chemical Waste		Others (e.g. general refuse)
	(in '000m3)						(in '000kg3)			(in '000kg <sup>3</sup> )	(in '000L)	(in '000kg)
Jan	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-
<b>SUB-TOTAL</b>	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-	-
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.910
<b>TOTAL</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>6.910</b>

- Notes :
- (1) Broken concrete for recycling into aggregates; and
  - (2) Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging materials

Project Name: Hong Kong Offshore LNG Terminal Project (FEP-02/558/2018/A)

Monthly Summary Waste Flow Table for 2020 (year)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Monthly Quantities of Marine Sediment Generated				Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rock and Large Broken Concrete ^1	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Total Quantity of Type L Generated	Reused in the Contract	Reused in other Projects	Open Sea Disposed	Metals	Paper / Cardboard Packaging	Plastics ^2	Chemical Waste		Others (e.g. general refuse)
	(in '000m3)						(in '000m3)				(in '000kg3)			(in '000kg <sup>3</sup> )	(in '000L)	(in '000kg)
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUB-TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>TOTAL</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

Notes :  
 (1) Broken concrete for recycling into aggregates; and  
 (2) Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging materials

Project Name: Hong Kong Offshore LNG Terminal Project (FEP-03/558/2018)

Monthly Summary Waste Flow Table for 2020 (year)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Monthly Quantities of Marine Sediment Generated					Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rock and Large Broken Concrete ^1	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Total Quantity of Type L Generated	Total Quantity of Type M Generated	Reused in the Contract	Reused in other Projects	Open Sea Disposed	Metals	Paper / Cardboard Packaging	Plastics ^2	Chemical Waste		Others (e.g. general refuse)
	(in '000m3)						(in '000m3)					(in '000kg3)			(in '000kg <sup>3</sup> )	(in '000L)	(in '000kg)
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>SUB-TOTAL</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>TOTAL</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>

- Notes :
- (1) Broken concrete for recycling into aggregates; and
  - (2) Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging materials

## **ANNEX G**

### **VESSEL-BASED LINE TRANSECT SURVEY RESULTS**

**Annex G1: HKOLNG Construction Phase Survey Effort Database  
(December 2020)**

(Abbreviations: BEAU = Beaufort Sea State; P = Primary Line Effort; S = Secondary Line Effort)

DATE	AREA	BEAU	EFFORT	SEASON	VESSEL	P/S
16-Dec-20	SE LANTAU	2	25.38	WINTER	STANDARD36826	P
16-Dec-20	SE LANTAU	3	30.28	WINTER	STANDARD36826	P
16-Dec-20	SE LANTAU	2	10.92	WINTER	STANDARD36826	S
16-Dec-20	SE LANTAU	3	3.45	WINTER	STANDARD36826	S
16-Dec-20	SW LANTAU	2	3.24	WINTER	STANDARD36826	P
16-Dec-20	SW LANTAU	3	4.59	WINTER	STANDARD36826	P
17-Dec-20	SW LANTAU	2	21.43	WINTER	STANDARD36826	P
17-Dec-20	SW LANTAU	3	25.47	WINTER	STANDARD36826	P
17-Dec-20	SW LANTAU	2	10.57	WINTER	STANDARD36826	S
17-Dec-20	SW LANTAU	3	4.65	WINTER	STANDARD36826	S
18-Dec-20	LAMMA	3	56.12	WINTER	STANDARD36826	P
18-Dec-20	LAMMA	4	14.65	WINTER	STANDARD36826	P
18-Dec-20	LAMMA	2	1.20	WINTER	STANDARD36826	S
18-Dec-20	LAMMA	3	5.70	WINTER	STANDARD36826	S
18-Dec-20	LAMMA	4	2.93	WINTER	STANDARD36826	S
21-Dec-20	SW LANTAU	2	21.38	WINTER	STANDARD36826	P
21-Dec-20	SW LANTAU	3	23.53	WINTER	STANDARD36826	P
21-Dec-20	SW LANTAU	4	2.16	WINTER	STANDARD36826	P
21-Dec-20	SW LANTAU	2	7.78	WINTER	STANDARD36826	S
21-Dec-20	SW LANTAU	3	4.73	WINTER	STANDARD36826	S
21-Dec-20	SW LANTAU	4	1.18	WINTER	STANDARD36826	S
22-Dec-20	LAMMA	2	48.35	WINTER	STANDARD36826	P
22-Dec-20	LAMMA	3	20.72	WINTER	STANDARD36826	P
22-Dec-20	LAMMA	2	13.34	WINTER	STANDARD36826	S
22-Dec-20	LAMMA	3	0.99	WINTER	STANDARD36826	S
23-Dec-20	SW LANTAU	2	7.74	WINTER	STANDARD36826	P
23-Dec-20	SE LANTAU	2	40.04	WINTER	STANDARD36826	P
23-Dec-20	SE LANTAU	3	14.90	WINTER	STANDARD36826	P
23-Dec-20	SE LANTAU	2	8.46	WINTER	STANDARD36826	S
23-Dec-20	SE LANTAU	3	2.10	WINTER	STANDARD36826	S

### Annex G2: HKOLNG Construction Phase Finless Porpoise Sighting Database (December 2020)

(Abberviations: STG# = Sighting Number; HRD SZ = Dolphin Herd Size; BEAU = Beaufort Sea State; PSD = Perpendicular Sighting Distance; P/S: Sighting Made on Primary/Secondary Lines)

DATE	STG #	TIME	HRD SZ	AREA	BEAU	PSD	EFFORT	NORTHING	EASTING	SEASON	P/S
16-Dec-20	1	1154	3	SE LANTAU	2	390	ON	804476	816510	WINTER	P
16-Dec-20	2	1424	2	SE LANTAU	2	10	ON	802256	812422	WINTER	P
21-Dec-20	1	1403	2	SW LANTAU	2	27	ON	802275	807574	WINTER	S
22-Dec-20	1	1056	3	LAMMA	3	33	ON	802454	822335	WINTER	P



## **ANNEX H**

### **EVENT AND ACTION PLAN FOR MARINE MAMMAL MONITORING**

**TABLE H.1 EVENT AND ACTION PLAN FOR MARINE MAMMAL MONITORING**

Event	Action			
	ET	IEC	Contractor(s)	Project Proponents
<b>Action Level exceeded</b>	<ol style="list-style-type: none"> <li>1. Check monitoring data and repeat data analysis to confirm findings;</li> <li>2. Review available AFCD data and relevant EM&amp;A data to check if the exceedance is due to natural variation or works related;</li> <li>3. Identify potential source(s) of impact;</li> <li>4. Inform the IEC, Project Proponents and Contractor;</li> <li>5. Increase site inspection and audit frequency to ensure all the marine mammal protective and/or precautionary measures are properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data and analysis and investigation by ET;</li> <li>2. Conduct additional site inspection and audit with ET to ensure all the marine mammal protective and/or precautionary measures are properly implemented and advise Project Proponents the audit results and findings accordingly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Inform the Project Proponents and confirm notification of the non-compliance in writing;</li> <li>2. Conduct site inspection and audit with the ETL and IEC;</li> <li>3. Ensure all the marine mammal protective and/or precautionary measures are properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss the need for increased site inspection and audit frequency proposed by ET with IEC and the Contractor;</li> <li>2. Check the audit results and findings from ET and IEC.</li> </ol>
<b>Limit Level exceeded</b>	<ol style="list-style-type: none"> <li>1. Check monitoring data and repeat data analysis to confirm findings;</li> <li>2. Review available AFCD data and relevant EM&amp;A data to check if the exceedance is due to natural variation or works related;</li> <li>3. Identify potential source(s) of impact;</li> <li>4. Inform the IEC, Project Proponents and Contractor;</li> <li>5. Increase site inspection and audit frequency to ensure all the marine mammal protective and/or precautionary measures are properly implemented;</li> <li>6. Review previous occurrence of non-compliance events to investigate if there is a longer term trend that needs attention;</li> <li>7. ET to discuss and confirm with Project Proponents, IEC and Contractor on the need for further mitigation measures (e.g. consider controlling and, if necessary suspending marine works associated with the suspected source of impact).</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data and analysis and investigation by ET;</li> <li>2. Conduct additional site inspection and audit with ET to ensure all the marine mammal protective and/or precautionary measures are properly implemented and advise Project Proponents the audit results and findings accordingly</li> <li>3. Discuss and confirm further mitigation measures with Project Proponents, ET and Contractor;</li> <li>4. Supervise / audit the implementation of further mitigation measures and advise Project Proponents the results and findings accordingly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Inform the Project Proponents and confirm notification of the non-compliance in writing;</li> <li>2. Conduct site inspection and audit with the ETL and IEC;</li> <li>3. Ensure all the marine mammal protective and/or precautionary measures are properly implemented;</li> <li>4. Discuss and confirm further mitigation measures with the ETL, IEC and Project Proponents;</li> <li>5. Carry out further measures when advised by ET and agreed by Project Proponents and IEC.</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss the need for increased site inspection and audit frequency proposed by ET with IEC and the Contractor;</li> <li>2. Check the audit results and findings from ET and IEC;</li> <li>3. Discuss and confirm further mitigation measures with the ET, IEC and Contractor;</li> <li>4. Supervise the implementation of further mitigation measures.</li> </ol>

## **ANNEX I**

### **CUMULATIVE STATISTICS ON EXCEEDANCES, ENVIRONMENTAL COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTION**

**TABLE I.1 CUMULATIVE STATISTICS ON EXCEEDANCES FOR FEP-01/558/2018/A**

Monitoring Parameter	Level of Exceedance	Total no. recorded in this reporting period <sup>(1)</sup>	Total no. recorded since project commencement
Marine Mammal (STG & ANI) (running quarterly)	Action Limit	N/A N/A	N/A N/A

**TABLE I.2 CUMULATIVE STATISTICS ON ENVIRONMENTAL COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS FOR FEP-01/558/2018/A**

Reporting Period	Cumulative Statistics		
	Environmental Complaints	Notification of Summons	Successful Prosecutions
This Reporting Period (1 to 31 Dec 2020)	0	0	0
Total no. recorded since project commencement	0	0	0

<sup>(1)</sup> Exceedances, which are non-project related, are not shown in this table.

**TABLE I.3 CUMULATIVE STATISTICS ON EXCEEDANCES FOR FEP-02/558/2018/A**

Monitoring Parameter	Level of Exceedance	Total no. recorded in this reporting period <sup>(1)</sup>	Total no. recorded since project commencement
Marine Water Quality (DO) (surface & middle)	Action Limit	N/A N/A	N/A N/A
Marine Water Quality (DO) (bottom)	Action Limit	N/A N/A	N/A N/A
Marine Water Quality (Turbidity) (depth-averaged)	Action Limit	N/A N/A	N/A N/A
Marine Water Quality (SS) (depth-averaged)	Action Limit	N/A N/A	N/A N/A

**TABLE I.4 CUMULATIVE STATISTICS ON ENVIRONMENTAL COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS FOR FEP-02/558/2018/A**

Reporting Period	Cumulative Statistics		
	Environmental Complaints	Notification of Summons	Successful Prosecutions
This Reporting Period (1 to 31 Dec 2020)	0	0	0
Total no. recorded since project commencement	0	0	0

<sup>(1)</sup> Exceedances, which are non-project related, are not shown in this table.

**TABLE I.5 CUMULATIVE STATISTICS ON EXCEEDANCES FOR FEP-03/558/2018**

Monitoring Parameter	Level of Exceedance	Total no. recorded in this reporting period <sup>(1)</sup>	Total no. recorded since project commencement
Marine Water Quality (DO) (surface & middle)	Action Limit	N/A N/A	N/A N/A
Marine Water Quality (DO) (bottom)	Action Limit	N/A N/A	N/A N/A
Marine Water Quality (Turbidity) (depth-averaged)	Action Limit	N/A N/A	N/A N/A
Marine Water Quality (SS) (depth-averaged)	Action Limit	N/A N/A	N/A N/A

**TABLE I.6 CUMULATIVE STATISTICS ON ENVIRONMENTAL COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS FOR FEP-03/558/2018**

Reporting Period	Cumulative Statistics		
	Environmental Complaints	Notification of Summons	Successful Prosecutions
This Reporting Period (1 to 31 Dec 2020)	0	0	0
Total no. recorded since project commencement	0	0	0

<sup>(1)</sup> Exceedances, which are non-project related, are not shown in this table.

## **ANNEX J**

### **MONITORING SCHEDULE FOR THE REPORTING PERIOD**

**Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project  
Marine Mammal Monitoring Schedule (December 2020)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1/Dec	2/Dec	3/Dec	4/Dec	5/Dec
6/Dec	7/Dec	8/Dec	9/Dec	10/Dec	11/Dec	12/Dec
13/Dec	14/Dec	15/Dec	16/Dec	17/Dec	18/Dec	19/Dec
			Vessel Survey (SEL)	Vessel Survey (SWL)	Vessel Survey (Lamma)	
20/Dec	21/Dec	22/Dec	23/Dec	24/Dec	25/Dec	26/Dec
	Vessel Survey (SWL)	Vessel Survey (Lamma)	Vessel Survey (SEL/SWL)			
27/Dec	28/Dec	29/Dec	30/Dec	31/Dec		

Remarks: C-PODs (Cetacean-Propoise Detectors) have been deployed and will be serviced in accordance with the frequency as stipulated in the Updated EM&A Manual.

Each survey area is proposed to be surveyed twice per month.

SEL: Southeast Lantau; SWL: Southwest Lantau; Lamma: Lamma Island



## **ANNEX K**

### **TENTATIVE SCHEDULE FOR THE NEXT REPORTING PERIOD**

**Environmental Team Consultancy Services for the Hong Kong Offshore LNG Terminal Project  
Tentative Marine Water Quality Monitoring Schedule (January 2021)**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1/Jan	2/Jan
3/Jan	4/Jan	5/Jan	6/Jan	7/Jan	8/Jan	9/Jan
10/Jan	11/Jan	12/Jan	13/Jan	14/Jan	15/Jan	16/Jan
17/Jan	18/Jan	19/Jan	20/Jan	21/Jan	22/Jan	23/Jan
24/Jan	25/Jan	26/Jan	27/Jan	28/Jan	29/Jan	30/Jan
	<b>Marine Water Quality Monitoring: Group 1</b>		<b>Marine Water Quality Monitoring: Group 1</b>		<b>Marine Water Quality Monitoring: Group 1</b>	
31/Jan						

Remarks:

Group 1 - During construction at the pipeline shore approach at LPS (LPS KP18.2 - 17.4), West Lamma Channel (LPS KP14.5 - 17.4) [WQM stations: IM1, IM2, E1 (Ebb) & F1 (Flood)]

## **ANNEX L**

### **RECORDS OF OPERATING SPEEDS AND MARINE TRAVEL ROUTES OF WORKING VESSELS**

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	11-DEC-2020 00:05:49	801218.9	813710.6	22.14925	113.9582	1.4	65	ShipXY
DE YUAN	Tug boat	11-DEC-2020 00:11:41	801211.1	813785.9	22.14918	113.95893	0.7	35	ShipXY
DE YUAN	Tug boat	11-DEC-2020 00:17:52	801237.7	813782.9	22.14942	113.9589	0.5	260	ShipXY
DE YUAN	Tug boat	11-DEC-2020 00:23:43	801255.4	813772.6	22.14958	113.9588	0.3	346	ShipXY
DE YUAN	Tug boat	11-DEC-2020 00:29:36	801344.1	813723.2	22.15038	113.95832	3	359	ShipXY
DE YUAN	Tug boat	11-DEC-2020 00:30:00	801387.2	813726.3	22.15077	113.95835	3.7	26	ShipXY
DE YUAN	Tug boat	11-DEC-2020 00:35:53	801794.4	813961.1	22.15445	113.96062	0.5	136	ShipXY
DE YUAN	Tug boat	11-DEC-2020 00:41:22	801827.4	814090.1	22.15475	113.96187	1.3	61	ShipXY
DE YUAN	Tug boat	11-DEC-2020 00:47:33	801866.1	814126.2	22.1551	113.96222	0.5	309	ShipXY
DE YUAN	Tug boat	11-DEC-2020 00:53:23	801830.7	814118.9	22.15478	113.96215	0.4	167	ShipXY
DE YUAN	Tug boat	11-DEC-2020 00:59:13	801785.3	814106.5	22.15437	113.96203	0.4	133	ShipXY
DE YUAN	Tug boat	11-DEC-2020 01:05:42	801744.4	814091	22.154	113.96188	0.5	11	ShipXY
DE YUAN	Tug boat	11-DEC-2020 01:11:30	801652.5	814051.6	22.15317	113.9615	0.6	203	ShipXY
DE YUAN	Tug boat	11-DEC-2020 01:17:33	801550.7	814007.1	22.15225	113.96107	0.4	174	ShipXY
DE YUAN	Tug boat	11-DEC-2020 01:23:12	801530.8	814007.1	22.15207	113.96107	0.3	88	ShipXY
DE YUAN	Tug boat	11-DEC-2020 01:29:42	801528.6	813994.7	22.15205	113.96095	0.7	120	ShipXY
DE YUAN	Tug boat	11-DEC-2020 01:35:31	801504.2	813986.4	22.15183	113.96087	0.6	252	ShipXY
DE YUAN	Tug boat	11-DEC-2020 01:41:32	801458.9	813961.6	22.15142	113.96063	0.4	197	ShipXY
DE YUAN	Tug boat	11-DEC-2020 01:47:42	801316.2	813870.6	22.15013	113.95975	1	215	ShipXY
DE YUAN	Tug boat	11-DEC-2020 01:53:31	801288.5	813839.7	22.14988	113.95945	0.7	171	ShipXY
DE YUAN	Tug boat	11-DEC-2020 01:59:22	801292.9	813852	22.14992	113.95957	0.4	33	ShipXY
DE YUAN	Tug boat	11-DEC-2020 02:05:33	801281.8	813868.5	22.14982	113.95973	0.4	98	ShipXY
DE YUAN	Tug boat	11-DEC-2020 02:11:41	801271.9	813852	22.14973	113.95957	0.4	128	ShipXY
DE YUAN	Tug boat	11-DEC-2020 02:17:42	801248.7	813839.6	22.14952	113.95945	0.3	168	ShipXY
DE YUAN	Tug boat	11-DEC-2020 02:23:32	801255.3	813824.1	22.14958	113.9593	0.6	133	ShipXY
DE YUAN	Tug boat	11-DEC-2020 02:29:32	801244.2	813853	22.14948	113.95958	0.7	37	ShipXY
DE YUAN	Tug boat	11-DEC-2020 02:34:11	801246.5	813826.2	22.1495	113.95932	0.5	331	ShipXY
DE YUAN	Tug boat	11-DEC-2020 02:41:22	801238.7	813839.6	22.14943	113.95945	0.4	311	ShipXY
DE YUAN	Tug boat	11-DEC-2020 02:47:32	801204.4	813821	22.14912	113.95927	0.3	166	ShipXY
DE YUAN	Tug boat	11-DEC-2020 02:53:22	801205.5	813818.9	22.14913	113.95925	0.4	106	ShipXY
DE YUAN	Tug boat	11-DEC-2020 02:58:23	801207.7	813800.3	22.14915	113.95907	0.3	358	ShipXY
DE YUAN	Tug boat	11-DEC-2020 03:05:42	801213.3	813793.1	22.1492	113.959	0.5	135	ShipXY
DE YUAN	Tug boat	11-DEC-2020 03:11:32	801205.6	813785.9	22.14913	113.95893	0.4	132	ShipXY
DE YUAN	Tug boat	11-DEC-2020 03:17:32	801183.4	813795.2	22.14893	113.95902	0.3	45	ShipXY
DE YUAN	Tug boat	11-DEC-2020 03:23:31	801200	813793.1	22.14908	113.959	0.3	207	ShipXY
DE YUAN	Tug boat	11-DEC-2020 03:29:32	801163.4	813805.4	22.14875	113.95912	0.4	49	ShipXY
DE YUAN	Tug boat	11-DEC-2020 03:35:32	801189	813777.6	22.14898	113.95885	0.9	42	ShipXY
DE YUAN	Tug boat	11-DEC-2020 03:41:22	801185.6	813777.6	22.14895	113.95885	0.7	24	ShipXY
DE YUAN	Tug boat	11-DEC-2020 03:47:32	801202.2	813774.5	22.1491	113.95882	0.7	277	ShipXY
DE YUAN	Tug boat	11-DEC-2020 03:53:42	801191.1	813796.2	22.149	113.95903	0.3	146	ShipXY
DE YUAN	Tug boat	11-DEC-2020 03:59:32	801205.6	813782.8	22.14913	113.9589	0.5	213	ShipXY
DE YUAN	Tug boat	11-DEC-2020 04:05:33	801200	813784.9	22.14908	113.95892	0.8	83	ShipXY
DE YUAN	Tug boat	11-DEC-2020 04:11:41	801149.3	813599.1	22.14862	113.95712	3.1	280	ShipXY
DE YUAN	Tug boat	11-DEC-2020 04:17:43	802407.6	813385.4	22.15998	113.95503	8.4	0	ShipXY
DE YUAN	Tug boat	11-DEC-2020 04:23:43	803108.5	814182.6	22.16632	113.96275	6.9	87	ShipXY
DE YUAN	Tug boat	11-DEC-2020 04:27:28	803086	814435.3	22.16612	113.9652	0.9	304	ShipXY
DE YUAN	Tug boat	11-DEC-2020 04:33:27	803108.3	814337.3	22.16632	113.96425	0.6	262	ShipXY
DE YUAN	Tug boat	11-DEC-2020 04:33:41	803108.3	814337.3	22.16632	113.96425	0.6	262	ShipXY
DE YUAN	Tug boat	11-DEC-2020 04:51:46	803097.2	814308.5	22.16622	113.96397	0.1	29	ShipXY
DE YUAN	Tug boat	11-DEC-2020 05:06:48	803092.8	814309.5	22.16618	113.96398	0.1	249	ShipXY
DE YUAN	Tug boat	11-DEC-2020 05:15:27	803098.3	814314.6	22.16623	113.96403	0.2	24	ShipXY
DE YUAN	Tug boat	11-DEC-2020 05:21:45	803092.8	814309.5	22.16618	113.96398	0.5	287	ShipXY
DE YUAN	Tug boat	11-DEC-2020 05:26:19	803103.9	814311.6	22.16628	113.964	0.3	70	ShipXY
DE YUAN	Tug boat	11-DEC-2020 05:36:33	803100.6	814311.5	22.16625	113.964	0.2	288	ShipXY
DE YUAN	Tug boat	11-DEC-2020 05:51:27	803097.2	814311.5	22.16622	113.964	0	358	ShipXY
DE YUAN	Tug boat	11-DEC-2020 05:54:45	803100.6	814308.5	22.16625	113.96397	0.1	250	ShipXY
DE YUAN	Tug boat	11-DEC-2020 06:03:26	803092.8	814314.6	22.16618	113.96403	0.3	156	ShipXY
DE YUAN	Tug boat	11-DEC-2020 06:15:27	803128.2	814324	22.1665	113.96412	0.2	229	ShipXY
DE YUAN	Tug boat	11-DEC-2020 06:21:27	803092.8	814313.6	22.16618	113.96402	0.3	205	ShipXY
DE YUAN	Tug boat	11-DEC-2020 06:27:27	803113.8	814311.6	22.16637	113.964	0.4	59	ShipXY
DE YUAN	Tug boat	11-DEC-2020 06:33:27	803114.9	814319.8	22.16638	113.96408	0.3	132	ShipXY
DE YUAN	Tug boat	11-DEC-2020 06:36:34	803095	814314.6	22.1662	113.96403	0.4	234	ShipXY
DE YUAN	Tug boat	11-DEC-2020 06:51:27	803097.2	814314.6	22.16622	113.96403	0.2	182	ShipXY
DE YUAN	Tug boat	11-DEC-2020 06:54:30	803080.6	814313.6	22.16607	113.96402	0	260	ShipXY
DE YUAN	Tug boat	11-DEC-2020 07:03:34	803119.4	814319.8	22.16642	113.96408	0.5	347	ShipXY
DE YUAN	Tug boat	11-DEC-2020 07:09:27	803089.5	814316.7	22.16615	113.96405	0.4	117	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	11-DEC-2020 07:15:27	803091.7	814304.3	22.16617	113.96393	0.4	10	ShipXY
DE YUAN	Tug boat	11-DEC-2020 07:21:27	803119.4	814313.6	22.16642	113.96402	0.5	181	ShipXY
DE YUAN	Tug boat	11-DEC-2020 07:27:35	803078.4	814311.5	22.16605	113.964	0.1	221	ShipXY
DE YUAN	Tug boat	11-DEC-2020 07:33:27	803103.9	814313.6	22.16628	113.96402	0.8	359	ShipXY
DE YUAN	Tug boat	11-DEC-2020 07:45:34	803076.2	814311.5	22.16603	113.964	0.2	36	ShipXY
DE YUAN	Tug boat	11-DEC-2020 07:51:35	803122.7	814319.8	22.16645	113.96408	0.1	357	ShipXY
DE YUAN	Tug boat	11-DEC-2020 08:07:27	803097.2	814316.7	22.16622	113.96405	0.4	128	ShipXY
DE YUAN	Tug boat	11-DEC-2020 08:12:26	803114.9	814316.7	22.16638	113.96405	0.1	160	ShipXY
DE YUAN	Tug boat	11-DEC-2020 08:21:27	803098.3	814309.5	22.16623	113.96398	0.3	68	ShipXY
DE YUAN	Tug boat	11-DEC-2020 08:33:27	803086.2	814316.7	22.16612	113.96405	0.4	157	ShipXY
DE YUAN	Tug boat	11-DEC-2020 08:39:26	803111.6	814316.7	22.16635	113.96405	0.4	1	ShipXY
DE YUAN	Tug boat	11-DEC-2020 08:45:27	803122.7	814318.8	22.16645	113.96407	0.3	164	ShipXY
DE YUAN	Tug boat	11-DEC-2020 08:45:44	803122.7	814318.8	22.16645	113.96407	0.3	164	ShipXY
DE YUAN	Tug boat	11-DEC-2020 08:57:27	803108.3	814313.6	22.16632	113.96402	0.3	88	ShipXY
DE YUAN	Tug boat	11-DEC-2020 09:03:28	803128.2	814318.8	22.1665	113.96407	0.5	195	ShipXY
DE YUAN	Tug boat	11-DEC-2020 09:06:44	803103.9	814318.8	22.16628	113.96407	0.1	174	ShipXY
DE YUAN	Tug boat	11-DEC-2020 09:21:30	803131.6	814321.9	22.16653	113.9641	0.5	174	ShipXY
DE YUAN	Tug boat	11-DEC-2020 09:33:35	803098.4	814308.5	22.16623	113.96397	0.4	22	ShipXY
DE YUAN	Tug boat	11-DEC-2020 09:33:49	803098.4	814308.5	22.16623	113.96397	0.4	22	ShipXY
DE YUAN	Tug boat	11-DEC-2020 09:45:27	803103.9	814319.8	22.16628	113.96408	0.3	127	ShipXY
DE YUAN	Tug boat	11-DEC-2020 09:48:27	803086.2	814319.8	22.16612	113.96408	0.4	197	ShipXY
DE YUAN	Tug boat	11-DEC-2020 09:54:43	803102.8	814309.5	22.16627	113.96398	0.1	79	ShipXY
DE YUAN	Tug boat	11-DEC-2020 10:03:27	803126	814318.8	22.16648	113.96407	0.3	163	ShipXY
DE YUAN	Tug boat	11-DEC-2020 10:09:26	803089.5	814318.8	22.16615	113.96407	0.4	247	ShipXY
DE YUAN	Tug boat	11-DEC-2020 10:09:44	803089.5	814318.8	22.16615	113.96407	0.4	247	ShipXY
DE YUAN	Tug boat	11-DEC-2020 10:18:27	803124.9	814324	22.16647	113.96412	0.4	74	ShipXY
DE YUAN	Tug boat	11-DEC-2020 10:27:26	803102.8	814319.8	22.16627	113.96408	0.4	193	ShipXY
DE YUAN	Tug boat	11-DEC-2020 10:33:28	803087.3	814309.5	22.16613	113.96398	0.3	292	ShipXY
DE YUAN	Tug boat	11-DEC-2020 10:42:26	803137.1	814329.1	22.16658	113.96417	0.3	310	ShipXY
DE YUAN	Tug boat	11-DEC-2020 10:51:46	803086.2	814316.7	22.16612	113.96405	0.2	192	ShipXY
DE YUAN	Tug boat	11-DEC-2020 10:57:26	803106.1	814314.7	22.1663	113.96403	0.4	8	ShipXY
DE YUAN	Tug boat	11-DEC-2020 11:00:27	803126	814324	22.16648	113.96412	0.3	23	ShipXY
DE YUAN	Tug boat	11-DEC-2020 11:06:34	803117.2	814318.8	22.1664	113.96407	0.6	180	ShipXY
DE YUAN	Tug boat	11-DEC-2020 11:06:46	803117.2	814318.8	22.1664	113.96407	0.6	180	ShipXY
DE YUAN	Tug boat	11-DEC-2020 11:21:26	803128.2	814324	22.1665	113.96412	0.4	42	ShipXY
DE YUAN	Tug boat	11-DEC-2020 11:24:34	803136	814325	22.16657	113.96413	0.2	120	ShipXY
DE YUAN	Tug boat	11-DEC-2020 11:33:27	803095	814314.6	22.1662	113.96403	0.4	238	ShipXY
DE YUAN	Tug boat	11-DEC-2020 11:39:27	803119.4	814318.8	22.16642	113.96407	0.5	70	ShipXY
DE YUAN	Tug boat	11-DEC-2020 11:51:27	803108.3	814318.8	22.16632	113.96407	0.2	248	ShipXY
DE YUAN	Tug boat	11-DEC-2020 11:57:47	803108.3	814311.6	22.16632	113.964	0	288	ShipXY
DE YUAN	Tug boat	11-DEC-2020 12:09:28	803117.2	814318.8	22.1664	113.96407	0.4	281	ShipXY
DE YUAN	Tug boat	11-DEC-2020 12:15:35	803102.8	814311.6	22.16627	113.964	0.4	263	ShipXY
DE YUAN	Tug boat	11-DEC-2020 12:18:47	803119.4	814313.6	22.16642	113.96402	0.3	275	ShipXY
DE YUAN	Tug boat	11-DEC-2020 12:27:27	803117.2	814321.9	22.1664	113.9641	0.3	202	ShipXY
DE YUAN	Tug boat	11-DEC-2020 12:33:27	803111.6	814306.4	22.16635	113.96395	0.6	33	ShipXY
DE YUAN	Tug boat	11-DEC-2020 12:39:35	803141.5	814325	22.16662	113.96413	0.2	329	ShipXY
DE YUAN	Tug boat	11-DEC-2020 12:45:27	803100.6	814314.6	22.16625	113.96403	0.4	275	ShipXY
DE YUAN	Tug boat	11-DEC-2020 12:51:27	803136	814325	22.16657	113.96413	0.5	60	ShipXY
DE YUAN	Tug boat	11-DEC-2020 12:57:27	803124.9	814321.9	22.16647	113.9641	0.6	200	ShipXY
DE YUAN	Tug boat	11-DEC-2020 13:00:45	803100.6	814311.5	22.16625	113.964	0.4	139	ShipXY
DE YUAN	Tug boat	11-DEC-2020 13:09:26	803139.3	814325	22.1666	113.96413	0.3	163	ShipXY
DE YUAN	Tug boat	11-DEC-2020 13:12:40	803103.9	814314.6	22.16628	113.96403	0.4	177	ShipXY
DE YUAN	Tug boat	11-DEC-2020 13:27:26	803087.3	814311.5	22.16613	113.964	0.2	63	ShipXY
DE YUAN	Tug boat	11-DEC-2020 13:36:27	803117.2	814319.8	22.1664	113.96408	0.5	210	ShipXY
DE YUAN	Tug boat	11-DEC-2020 13:42:46	803109.4	814313.6	22.16633	113.96402	0.4	30	ShipXY
DE YUAN	Tug boat	11-DEC-2020 13:57:26	803141.5	814325	22.16662	113.96413	0.4	118	ShipXY
DE YUAN	Tug boat	11-DEC-2020 14:15:27	803098.3	814311.5	22.16623	113.964	0.2	241	ShipXY
DE YUAN	Tug boat	11-DEC-2020 14:15:37	803098.3	814311.5	22.16623	113.964	0.2	241	ShipXY
DE YUAN	Tug boat	11-DEC-2020 14:33:27	803136	814318.8	22.16657	113.96407	0.3	179	ShipXY
DE YUAN	Tug boat	11-DEC-2020 14:36:37	803111.6	814314.7	22.16635	113.96403	0.2	288	ShipXY
DE YUAN	Tug boat	11-DEC-2020 14:45:27	803131.6	814316.7	22.16653	113.96405	0.4	193	ShipXY
DE YUAN	Tug boat	11-DEC-2020 14:48:35	803103.9	814313.6	22.16628	113.96402	0.3	274	ShipXY
DE YUAN	Tug boat	11-DEC-2020 15:03:27	803109.4	814308.5	22.16633	113.96397	0.6	333	ShipXY
DE YUAN	Tug boat	11-DEC-2020 15:21:28	803139.3	814321.9	22.1666	113.9641	0.3	252	ShipXY
DE YUAN	Tug boat	11-DEC-2020 15:24:31	803106.1	814313.6	22.1663	113.96402	0.2	145	ShipXY
DE YUAN	Tug boat	11-DEC-2020 15:33:27	803122.7	814318.8	22.16645	113.96407	0.4	141	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	11-DEC-2020 15:39:42	803130.4	814319.8	22.16652	113.96408	0.3	74	ShipXY
DE YUAN	Tug boat	11-DEC-2020 15:51:27	803128.2	814319.8	22.1665	113.96408	0.7	309	ShipXY
DE YUAN	Tug boat	11-DEC-2020 15:57:27	803115	814314.7	22.16638	113.96403	0.4	293	ShipXY
DE YUAN	Tug boat	11-DEC-2020 15:57:42	803115	814314.7	22.16638	113.96403	0.4	293	ShipXY
DE YUAN	Tug boat	11-DEC-2020 16:09:26	803113.8	814313.6	22.16637	113.96402	0.3	56	ShipXY
DE YUAN	Tug boat	11-DEC-2020 16:12:34	803124.9	814314.7	22.16647	113.96403	0.3	62	ShipXY
DE YUAN	Tug boat	11-DEC-2020 16:21:27	803113.8	814314.7	22.16637	113.96403	0.3	295	ShipXY
DE YUAN	Tug boat	11-DEC-2020 16:24:38	803120.5	814314.7	22.16643	113.96403	0.1	331	ShipXY
DE YUAN	Tug boat	11-DEC-2020 16:39:27	803122.7	814316.7	22.16645	113.96405	0.1	155	ShipXY
DE YUAN	Tug boat	11-DEC-2020 16:45:35	803117.2	814313.6	22.1664	113.96402	0.1	129	ShipXY
DE YUAN	Tug boat	11-DEC-2020 16:51:45	803126	814314.7	22.16648	113.96403	0.4	130	ShipXY
DE YUAN	Tug boat	11-DEC-2020 17:09:36	803117.2	814314.7	22.1664	113.96403	0.2	159	ShipXY
DE YUAN	Tug boat	11-DEC-2020 17:09:46	803117.2	814314.7	22.1664	113.96403	0.2	159	ShipXY
DE YUAN	Tug boat	11-DEC-2020 17:18:41	803119.4	814314.7	22.16642	113.96403	0.3	218	ShipXY
DE YUAN	Tug boat	11-DEC-2020 17:27:27	803120.5	814314.7	22.16643	113.96403	0.3	165	ShipXY
DE YUAN	Tug boat	11-DEC-2020 17:27:45	803120.5	814314.7	22.16643	113.96403	0.3	165	ShipXY
DE YUAN	Tug boat	11-DEC-2020 17:45:27	803128.2	814316.7	22.1665	113.96405	0.3	64	ShipXY
DE YUAN	Tug boat	11-DEC-2020 17:51:27	803119.4	814316.7	22.16642	113.96405	0.3	64	ShipXY
DE YUAN	Tug boat	11-DEC-2020 17:57:27	803120.5	814316.7	22.16643	113.96405	0.3	346	ShipXY
DE YUAN	Tug boat	11-DEC-2020 18:00:35	803133.8	814325	22.16655	113.96413	0	34	ShipXY
DE YUAN	Tug boat	11-DEC-2020 18:06:37	803120.5	814319.8	22.16643	113.96408	0.1	245	ShipXY
DE YUAN	Tug boat	11-DEC-2020 18:12:47	803131.6	814321.9	22.16653	113.9641	0.3	72	ShipXY
DE YUAN	Tug boat	11-DEC-2020 18:24:35	803117.2	814314.7	22.1664	113.96403	0.3	322	ShipXY
DE YUAN	Tug boat	11-DEC-2020 18:36:45	803117.2	814316.7	22.1664	113.96405	0	244	ShipXY
DE YUAN	Tug boat	11-DEC-2020 18:45:35	803141.5	814329.1	22.16662	113.96417	0	322	ShipXY
DE YUAN	Tug boat	11-DEC-2020 18:57:45	803137.1	814330.2	22.16658	113.96418	0.5	95	ShipXY
DE YUAN	Tug boat	11-DEC-2020 19:06:43	803120.5	814319.8	22.16643	113.96408	0.2	314	ShipXY
DE YUAN	Tug boat	11-DEC-2020 19:12:45	803137.1	814327.1	22.16658	113.96415	0.1	174	ShipXY
DE YUAN	Tug boat	11-DEC-2020 19:24:34	803111.6	814318.8	22.16635	113.96407	0.2	275	ShipXY
DE YUAN	Tug boat	11-DEC-2020 19:30:38	803128.2	814319.8	22.1665	113.96408	0.3	94	ShipXY
DE YUAN	Tug boat	11-DEC-2020 19:48:43	803128.2	814324	22.1665	113.96412	0	82	ShipXY
DE YUAN	Tug boat	11-DEC-2020 20:00:46	803103.9	814316.7	22.16628	113.96405	0.1	206	ShipXY
DE YUAN	Tug boat	11-DEC-2020 20:09:36	803124.9	814321.9	22.16647	113.9641	0.1	97	ShipXY
DE YUAN	Tug boat	11-DEC-2020 20:14:21	803117.2	814316.7	22.1664	113.96405	0.1	197	ShipXY
DE YUAN	Tug boat	11-DEC-2020 20:24:47	803106.1	814311.6	22.1663	113.964	0.1	312	ShipXY
DE YUAN	Tug boat	11-DEC-2020 20:30:36	803120.5	814318.8	22.16643	113.96407	0	39	ShipXY
DE YUAN	Tug boat	11-DEC-2020 20:36:26	803120.5	814319.8	22.16643	113.96408	0.2	299	ShipXY
DE YUAN	Tug boat	11-DEC-2020 20:51:39	803111.6	814318.8	22.16635	113.96407	0	109	ShipXY
DE YUAN	Tug boat	11-DEC-2020 20:57:35	803124.9	814324	22.16647	113.96412	0.3	28	ShipXY
DE YUAN	Tug boat	11-DEC-2020 21:03:46	803133.8	814327.1	22.16655	113.96415	0	290	ShipXY
DE YUAN	Tug boat	11-DEC-2020 21:12:35	803117.1	814327	22.1664	113.96415	0.2	69	ShipXY
DE YUAN	Tug boat	11-DEC-2020 21:18:27	803126	814324	22.16648	113.96412	0.2	144	ShipXY
DE YUAN	Tug boat	11-DEC-2020 21:21:43	803120.5	814325	22.16643	113.96413	0.1	33	ShipXY
DE YUAN	Tug boat	11-DEC-2020 21:27:35	803113.8	814321.9	22.16637	113.9641	0.3	159	ShipXY
DE YUAN	Tug boat	11-DEC-2020 21:38:20	803117.2	814321.9	22.1664	113.9641	0.2	215	ShipXY
DE YUAN	Tug boat	11-DEC-2020 21:45:48	803120.5	814327	22.16643	113.96415	0.2	244	ShipXY
DE YUAN	Tug boat	11-DEC-2020 21:54:26	803126	814334.3	22.16648	113.96422	0.2	175	ShipXY
DE YUAN	Tug boat	11-DEC-2020 22:03:38	803124.9	814344.6	22.16647	113.96432	0.1	22	ShipXY
DE YUAN	Tug boat	11-DEC-2020 22:06:27	803126	814349.7	22.16648	113.96437	0.4	82	ShipXY
DE YUAN	Tug boat	11-DEC-2020 22:15:36	803122.6	814363.2	22.16645	113.9645	0.3	52	ShipXY
DE YUAN	Tug boat	11-DEC-2020 22:18:37	803119.3	814365.2	22.16642	113.96452	0	189	ShipXY
DE YUAN	Tug boat	11-DEC-2020 22:24:35	803108.2	814361.1	22.16632	113.96448	0.2	293	ShipXY
DE YUAN	Tug boat	11-DEC-2020 22:30:45	803100.5	814355.9	22.16625	113.96443	0.1	221	ShipXY
DE YUAN	Tug boat	11-DEC-2020 22:36:35	803098.3	814358	22.16623	113.96445	0.2	86	ShipXY
DE YUAN	Tug boat	11-DEC-2020 22:42:27	803097.2	814361.1	22.16622	113.96448	0.5	152	ShipXY
DE YUAN	Tug boat	11-DEC-2020 22:42:43	803097.2	814361.1	22.16622	113.96448	0.5	152	ShipXY
DE YUAN	Tug boat	11-DEC-2020 22:54:37	803095	814358	22.1662	113.96445	0.3	129	ShipXY
DE YUAN	Tug boat	11-DEC-2020 23:00:42	803092.7	814358	22.16618	113.96445	0.4	335	ShipXY
DE YUAN	Tug boat	11-DEC-2020 23:09:47	803089.4	814360	22.16615	113.96447	0.1	150	ShipXY
DE YUAN	Tug boat	11-DEC-2020 23:18:42	803089.4	814366.2	22.16615	113.96453	0	15	ShipXY
DE YUAN	Tug boat	11-DEC-2020 23:24:39	803086.1	814366.2	22.16612	113.96453	0.3	330	ShipXY
DE YUAN	Tug boat	11-DEC-2020 23:27:47	803083.9	814366.2	22.1661	113.96453	0.4	219	ShipXY
DE YUAN	Tug boat	11-DEC-2020 23:36:26	803081.7	814366.2	22.16608	113.96453	0.3	118	ShipXY
DE YUAN	Tug boat	11-DEC-2020 23:42:26	803083.9	814371.3	22.1661	113.96458	0.3	149	ShipXY
DE YUAN	Tug boat	11-DEC-2020 23:48:44	803083.9	814370.3	22.1661	113.96457	0.1	139	ShipXY
DE YUAN	Tug boat	11-DEC-2020 23:54:26	803083.9	814370.3	22.1661	113.96457	0.3	169	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	12-DEC-2020 00:00:35	803083.9	814370.3	22.1661	113.96457	0	263	ShipXY
DE YUAN	Tug boat	12-DEC-2020 00:06:27	803083.9	814366.2	22.1661	113.96453	0.2	4	ShipXY
DE YUAN	Tug boat	12-DEC-2020 00:15:35	803087.2	814368.3	22.16613	113.96455	0	189	ShipXY
DE YUAN	Tug boat	12-DEC-2020 00:24:27	803086.1	814365.2	22.16612	113.96452	0	137	ShipXY
DE YUAN	Tug boat	12-DEC-2020 00:33:49	803089.4	814366.2	22.16615	113.96453	0.6	12	ShipXY
DE YUAN	Tug boat	12-DEC-2020 00:39:36	803089.4	814368.3	22.16615	113.96455	0.2	288	ShipXY
DE YUAN	Tug boat	12-DEC-2020 00:42:26	803087.2	814366.2	22.16613	113.96453	0.4	339	ShipXY
DE YUAN	Tug boat	12-DEC-2020 00:48:40	803089.4	814363.1	22.16615	113.9645	0.2	167	ShipXY
DE YUAN	Tug boat	12-DEC-2020 00:54:30	803087.2	814363.1	22.16613	113.9645	0.2	331	ShipXY
DE YUAN	Tug boat	12-DEC-2020 01:03:36	803087.2	814363.1	22.16613	113.9645	0	47	ShipXY
DE YUAN	Tug boat	12-DEC-2020 01:12:27	803092.7	814361	22.16618	113.96448	0.3	106	ShipXY
DE YUAN	Tug boat	12-DEC-2020 01:21:36	803089.4	814360	22.16615	113.96447	0	349	ShipXY
DE YUAN	Tug boat	12-DEC-2020 01:27:36	803097.2	814358	22.16622	113.96445	0	283	ShipXY
DE YUAN	Tug boat	12-DEC-2020 01:39:36	803111.6	814347.7	22.16635	113.96435	0.4	88	ShipXY
DE YUAN	Tug boat	12-DEC-2020 01:39:37	803111.6	814347.7	22.16635	113.96435	0.4	88	ShipXY
DE YUAN	Tug boat	12-DEC-2020 01:48:35	803122.7	814344.6	22.16645	113.96432	0.2	277	ShipXY
DE YUAN	Tug boat	12-DEC-2020 01:57:27	803117.1	814329.1	22.1664	113.96417	0.1	239	ShipXY
DE YUAN	Tug boat	12-DEC-2020 02:09:36	803111.6	814316.7	22.16635	113.96405	0.1	120	ShipXY
DE YUAN	Tug boat	12-DEC-2020 02:15:36	803108.3	814318.8	22.16632	113.96407	0.2	303	ShipXY
DE YUAN	Tug boat	12-DEC-2020 02:21:39	803109.4	814316.7	22.16633	113.96405	0.1	120	ShipXY
DE YUAN	Tug boat	12-DEC-2020 02:33:43	803117.2	814321.9	22.1664	113.9641	0	289	ShipXY
DE YUAN	Tug boat	12-DEC-2020 02:36:48	803117.2	814323.9	22.1664	113.96412	0.4	14	ShipXY
DE YUAN	Tug boat	12-DEC-2020 02:42:28	803120.5	814321.9	22.16643	113.9641	0.4	130	ShipXY
DE YUAN	Tug boat	12-DEC-2020 02:57:26	803114.9	814319.8	22.16638	113.96408	0.1	311	ShipXY
DE YUAN	Tug boat	12-DEC-2020 03:00:28	803117.2	814319.8	22.1664	113.96408	0.3	327	ShipXY
DE YUAN	Tug boat	12-DEC-2020 03:15:27	803120.5	814318.8	22.16643	113.96407	0	52	ShipXY
DE YUAN	Tug boat	12-DEC-2020 03:21:36	803119.4	814318.8	22.16642	113.96407	0	302	ShipXY
DE YUAN	Tug boat	12-DEC-2020 03:27:27	803119.4	814319.8	22.16642	113.96408	0.3	159	ShipXY
DE YUAN	Tug boat	12-DEC-2020 03:27:35	803119.4	814319.8	22.16642	113.96408	0.3	159	ShipXY
DE YUAN	Tug boat	12-DEC-2020 03:36:27	803122.7	814319.8	22.16645	113.96408	0.3	33	ShipXY
DE YUAN	Tug boat	12-DEC-2020 03:39:35	803120.5	814316.7	22.16643	113.96405	0.2	236	ShipXY
DE YUAN	Tug boat	12-DEC-2020 03:51:27	803119.4	814318.8	22.16642	113.96407	0.1	132	ShipXY
DE YUAN	Tug boat	12-DEC-2020 03:57:27	803119.4	814314.7	22.16642	113.96403	0.3	8	ShipXY
DE YUAN	Tug boat	12-DEC-2020 04:00:47	803119.4	814318.8	22.16642	113.96407	0.2	91	ShipXY
DE YUAN	Tug boat	12-DEC-2020 04:09:27	803113.8	814314.7	22.16637	113.96403	0.3	156	ShipXY
DE YUAN	Tug boat	12-DEC-2020 04:15:27	803113.8	814316.7	22.16637	113.96405	0.5	148	ShipXY
DE YUAN	Tug boat	12-DEC-2020 04:21:37	803109.4	814316.7	22.16633	113.96405	0.1	79	ShipXY
DE YUAN	Tug boat	12-DEC-2020 04:30:26	803109.4	814316.7	22.16633	113.96405	0	195	ShipXY
DE YUAN	Tug boat	12-DEC-2020 04:33:44	803108.3	814314.7	22.16632	113.96403	0.1	208	ShipXY
DE YUAN	Tug boat	12-DEC-2020 04:45:35	803109.4	814319.8	22.16633	113.96408	0.1	273	ShipXY
DE YUAN	Tug boat	12-DEC-2020 04:57:36	803114.9	814318.8	22.16638	113.96407	0.1	7	ShipXY
DE YUAN	Tug boat	12-DEC-2020 05:06:36	803119.4	814321.9	22.16642	113.9641	0.1	17	ShipXY
DE YUAN	Tug boat	12-DEC-2020 05:15:27	803124.9	814324	22.16647	113.96412	0.4	230	ShipXY
DE YUAN	Tug boat	12-DEC-2020 05:24:36	803126	814325	22.16648	113.96413	0.3	336	ShipXY
DE YUAN	Tug boat	12-DEC-2020 05:39:27	803128.2	814325	22.1665	113.96413	0.2	257	ShipXY
DE YUAN	Tug boat	12-DEC-2020 05:42:27	803128.2	814325	22.1665	113.96413	0.3	172	ShipXY
DE YUAN	Tug boat	12-DEC-2020 05:48:26	803128.2	814325	22.1665	113.96413	0.3	358	ShipXY
DE YUAN	Tug boat	12-DEC-2020 05:57:45	803119.4	814319.8	22.16642	113.96408	0.2	279	ShipXY
DE YUAN	Tug boat	12-DEC-2020 06:03:35	803113.8	814316.7	22.16637	113.96405	0.1	8	ShipXY
DE YUAN	Tug boat	12-DEC-2020 06:06:27	803103.9	814314.6	22.16628	113.96403	0.3	240	ShipXY
DE YUAN	Tug boat	12-DEC-2020 06:15:37	803092.8	814314.6	22.16618	113.96403	0.2	252	ShipXY
DE YUAN	Tug boat	12-DEC-2020 06:21:27	803083.9	814321.8	22.1661	113.9641	0.1	186	ShipXY
DE YUAN	Tug boat	12-DEC-2020 06:21:31	803083.9	814321.8	22.1661	113.9641	0.1	186	ShipXY
DE YUAN	Tug boat	12-DEC-2020 06:33:28	803089.5	814316.7	22.16615	113.96405	0.1	320	ShipXY
DE YUAN	Tug boat	12-DEC-2020 06:36:36	803092.8	814319.8	22.16618	113.96408	0.1	150	ShipXY
DE YUAN	Tug boat	12-DEC-2020 06:51:38	803113.8	814327	22.16637	113.96415	0	122	ShipXY
DE YUAN	Tug boat	12-DEC-2020 06:57:37	803113.8	814319.8	22.16637	113.96408	0	107	ShipXY
DE YUAN	Tug boat	12-DEC-2020 07:00:27	803111.6	814321.9	22.16635	113.9641	0.1	310	ShipXY
DE YUAN	Tug boat	12-DEC-2020 07:06:36	803114.9	814321.9	22.16638	113.9641	0.1	343	ShipXY
DE YUAN	Tug boat	12-DEC-2020 07:15:37	803113.8	814319.8	22.16637	113.96408	0.1	334	ShipXY
DE YUAN	Tug boat	12-DEC-2020 07:27:44	803113.8	814321.9	22.16637	113.9641	0	1	ShipXY
DE YUAN	Tug boat	12-DEC-2020 07:36:38	803114.9	814323.9	22.16638	113.96412	0	295	ShipXY
DE YUAN	Tug boat	12-DEC-2020 07:42:36	803113.8	814323.9	22.16637	113.96412	0.2	235	ShipXY
DE YUAN	Tug boat	12-DEC-2020 07:51:27	803114.9	814323.9	22.16638	113.96412	0.3	259	ShipXY
DE YUAN	Tug boat	12-DEC-2020 08:00:44	803117.2	814325	22.1664	113.96413	0	44	ShipXY
DE YUAN	Tug boat	12-DEC-2020 08:09:40	803113.8	814321.9	22.16637	113.9641	0.2	57	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	12-DEC-2020 08:18:44	803113.8	814319.8	22.16637	113.96408	0.3	251	ShipXY
DE YUAN	Tug boat	12-DEC-2020 08:24:34	803108.3	814321.9	22.16632	113.9641	0	115	ShipXY
DE YUAN	Tug boat	12-DEC-2020 08:33:26	803106.1	814319.8	22.1663	113.96408	0.1	193	ShipXY
DE YUAN	Tug boat	12-DEC-2020 08:45:27	803113.8	814319.8	22.16637	113.96408	0.2	146	ShipXY
DE YUAN	Tug boat	12-DEC-2020 08:45:39	803113.8	814319.8	22.16637	113.96408	0.2	146	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:00:27	803113.8	814318.8	22.16637	113.96407	0.1	194	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:12:36	803113.8	814321.9	22.16637	113.9641	0.1	220	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:12:28	803109.4	814323.9	22.16633	113.96412	0.3	200	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:18:44	803113.8	814321.9	22.16637	113.9641	0.1	343	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:27:27	803108.3	814323.9	22.16632	113.96412	0.2	176	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:30:43	803109.4	814323.9	22.16633	113.96412	0.1	212	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:39:36	803113.8	814323.9	22.16637	113.96412	0	322	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:42:27	803113.8	814325	22.16637	113.96413	0.3	48	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:42:32	803113.8	814325	22.16637	113.96413	0.3	48	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:54:38	803109.4	814318.8	22.16633	113.96407	0.3	355	ShipXY
DE YUAN	Tug boat	12-DEC-2020 09:54:45	803109.4	814318.8	22.16633	113.96407	0.3	355	ShipXY
DE YUAN	Tug boat	12-DEC-2020 10:09:27	803108.3	814318.8	22.16632	113.96407	0.3	262	ShipXY
DE YUAN	Tug boat	12-DEC-2020 10:12:40	803109.4	814319.8	22.16633	113.96408	0.1	74	ShipXY
DE YUAN	Tug boat	12-DEC-2020 10:24:27	803103.9	814319.8	22.16628	113.96408	0.3	196	ShipXY
DE YUAN	Tug boat	12-DEC-2020 10:39:28	803102.8	814318.8	22.16627	113.96407	0.1	95	ShipXY
DE YUAN	Tug boat	12-DEC-2020 10:45:26	803108.3	814314.7	22.16632	113.96403	0.3	171	ShipXY
DE YUAN	Tug boat	12-DEC-2020 10:48:37	803108.3	814316.7	22.16632	113.96405	0.1	335	ShipXY
DE YUAN	Tug boat	12-DEC-2020 11:00:39	803117.2	814319.8	22.1664	113.96408	0.2	200	ShipXY
DE YUAN	Tug boat	12-DEC-2020 11:09:49	803108.3	814319.8	22.16632	113.96408	0	325	ShipXY
DE YUAN	Tug boat	12-DEC-2020 11:12:28	803111.6	814318.8	22.16635	113.96407	0.1	315	ShipXY
DE YUAN	Tug boat	12-DEC-2020 11:18:38	803103.9	814318.8	22.16628	113.96407	0.1	57	ShipXY
DE YUAN	Tug boat	12-DEC-2020 11:27:26	803103.9	814314.6	22.16628	113.96403	0	164	ShipXY
DE YUAN	Tug boat	12-DEC-2020 11:30:48	803100.6	814314.6	22.16625	113.96403	0	120	ShipXY
DE YUAN	Tug boat	12-DEC-2020 11:39:27	803100.6	814313.6	22.16625	113.96402	0.1	296	ShipXY
DE YUAN	Tug boat	12-DEC-2020 11:42:33	803097.2	814314.6	22.16622	113.96403	0	124	ShipXY
DE YUAN	Tug boat	12-DEC-2020 11:54:27	803102.8	814314.6	22.16627	113.96403	0.1	172	ShipXY
DE YUAN	Tug boat	12-DEC-2020 11:54:47	803102.8	814314.6	22.16627	113.96403	0.1	172	ShipXY
DE YUAN	Tug boat	12-DEC-2020 12:09:27	803103.9	814319.8	22.16628	113.96408	0.1	126	ShipXY
DE YUAN	Tug boat	12-DEC-2020 12:09:48	803103.9	814319.8	22.16628	113.96408	0.1	126	ShipXY
DE YUAN	Tug boat	12-DEC-2020 12:15:41	803102.8	814321.9	22.16627	113.9641	0	39	ShipXY
DE YUAN	Tug boat	12-DEC-2020 12:24:27	803106.1	814321.9	22.1663	113.9641	0.1	257	ShipXY
DE YUAN	Tug boat	12-DEC-2020 12:24:45	803106.1	814321.9	22.1663	113.9641	0.1	257	ShipXY
DE YUAN	Tug boat	12-DEC-2020 12:39:26	803111.6	814323.9	22.16635	113.96412	0.1	70	ShipXY
DE YUAN	Tug boat	12-DEC-2020 12:42:42	803113.8	814323.9	22.16637	113.96412	0.1	36	ShipXY
DE YUAN	Tug boat	12-DEC-2020 12:51:27	803111.6	814321.9	22.16635	113.9641	0	228	ShipXY
DE YUAN	Tug boat	12-DEC-2020 12:54:48	803113.8	814321.9	22.16637	113.9641	0	297	ShipXY
DE YUAN	Tug boat	12-DEC-2020 13:06:27	803106.1	814318.8	22.1663	113.96407	0	197	ShipXY
DE YUAN	Tug boat	12-DEC-2020 13:12:31	803103.9	814314.6	22.16628	113.96403	0.1	51	ShipXY
DE YUAN	Tug boat	12-DEC-2020 13:18:27	803111.6	814314.7	22.16635	113.96403	0.2	122	ShipXY
DE YUAN	Tug boat	12-DEC-2020 13:21:42	803111.6	814314.7	22.16635	113.96403	0.1	54	ShipXY
DE YUAN	Tug boat	12-DEC-2020 13:30:27	803103.9	814318.8	22.16628	113.96407	0.3	188	ShipXY
DE YUAN	Tug boat	12-DEC-2020 13:36:42	803108.3	814314.7	22.16632	113.96403	0	331	ShipXY
DE YUAN	Tug boat	12-DEC-2020 13:42:27	803106.1	814313.6	22.1663	113.96402	0.1	21	ShipXY
DE YUAN	Tug boat	12-DEC-2020 13:57:27	803119.4	814316.7	22.16642	113.96405	0	125	ShipXY
DE YUAN	Tug boat	12-DEC-2020 14:09:50	803100.6	814309.5	22.16625	113.96398	0	62	ShipXY
DE YUAN	Tug boat	12-DEC-2020 14:12:28	803117.2	814308.5	22.1664	113.96397	0.2	48	ShipXY
DE YUAN	Tug boat	12-DEC-2020 14:27:47	803108.3	814306.4	22.16632	113.96395	0	257	ShipXY
DE YUAN	Tug boat	12-DEC-2020 14:30:41	803126	814318.8	22.16648	113.96407	0.4	40	ShipXY
DE YUAN	Tug boat	12-DEC-2020 14:39:46	803098.3	814313.6	22.16623	113.96402	0.2	356	ShipXY
DE YUAN	Tug boat	12-DEC-2020 14:42:33	803106.1	814306.4	22.1663	113.96395	0.4	17	ShipXY
DE YUAN	Tug boat	12-DEC-2020 14:51:26	803109.4	814318.8	22.16633	113.96407	0.3	191	ShipXY
DE YUAN	Tug boat	12-DEC-2020 14:57:47	803106.1	814306.4	22.1663	113.96395	0.4	352	ShipXY
DE YUAN	Tug boat	12-DEC-2020 15:00:48	803128.2	814321.9	22.1665	113.9641	0.3	73	ShipXY
DE YUAN	Tug boat	12-DEC-2020 15:12:27	803115	814309.5	22.16638	113.96398	0.4	40	ShipXY
DE YUAN	Tug boat	12-DEC-2020 15:21:27	803100.6	814314.6	22.16625	113.96403	0.5	219	ShipXY
DE YUAN	Tug boat	12-DEC-2020 15:27:26	803119.4	814313.6	22.16642	113.96402	0.4	19	ShipXY
DE YUAN	Tug boat	12-DEC-2020 15:30:44	803131.5	814324	22.16653	113.96412	0.2	250	ShipXY
DE YUAN	Tug boat	12-DEC-2020 15:39:27	803113.8	814311.6	22.16637	113.964	0.5	34	ShipXY
DE YUAN	Tug boat	12-DEC-2020 15:42:45	803136	814327.1	22.16657	113.96415	0.1	248	ShipXY
DE YUAN	Tug boat	12-DEC-2020 15:51:48	803108.3	814306.4	22.16632	113.96395	0.1	34	ShipXY
DE YUAN	Tug boat	12-DEC-2020 16:00:46	803100.6	814311.5	22.16625	113.964	0	91	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	12-DEC-2020 16:09:27	803130.5	814314.7	22.16652	113.96403	0.5	219	ShipXY
DE YUAN	Tug boat	12-DEC-2020 16:15:28	803109.4	814308.5	22.16633	113.96397	0.6	4	ShipXY
DE YUAN	Tug boat	12-DEC-2020 16:21:26	803136	814321.9	22.16657	113.9641	0.3	225	ShipXY
DE YUAN	Tug boat	12-DEC-2020 16:27:27	803113.9	814306.4	22.16637	113.96395	0.5	339	ShipXY
DE YUAN	Tug boat	12-DEC-2020 16:33:27	803136	814325	22.16657	113.96413	0.4	270	ShipXY
DE YUAN	Tug boat	12-DEC-2020 16:39:26	803106.1	814308.5	22.1663	113.96397	0.3	2	ShipXY
DE YUAN	Tug boat	12-DEC-2020 16:42:43	803133.8	814324	22.16655	113.96412	0.2	250	ShipXY
DE YUAN	Tug boat	12-DEC-2020 16:51:42	803102.8	814308.5	22.16627	113.96397	0.1	9	ShipXY
DE YUAN	Tug boat	12-DEC-2020 17:00:37	803113.8	814316.7	22.16637	113.96405	0.3	207	ShipXY
DE YUAN	Tug boat	12-DEC-2020 17:06:47	803122.7	814314.7	22.16645	113.96403	0.1	101	ShipXY
DE YUAN	Tug boat	12-DEC-2020 17:15:27	803100.6	814309.5	22.16625	113.96398	0.2	223	ShipXY
DE YUAN	Tug boat	12-DEC-2020 17:21:47	803147	814330.2	22.16667	113.96418	0.3	39	ShipXY
DE YUAN	Tug boat	12-DEC-2020 17:33:27	803147	814330.2	22.16667	113.96418	0.3	37	ShipXY
DE YUAN	Tug boat	12-DEC-2020 17:36:50	803136	814318.8	22.16657	113.96407	0.2	180	ShipXY
DE YUAN	Tug boat	12-DEC-2020 17:42:46	803122.7	814309.5	22.16645	113.96398	0.4	352	ShipXY
DE YUAN	Tug boat	12-DEC-2020 17:48:27	803141.5	814321.9	22.16662	113.9641	0.6	222	ShipXY
DE YUAN	Tug boat	12-DEC-2020 17:57:27	803139.3	814329.1	22.1666	113.96417	0.3	36	ShipXY
DE YUAN	Tug boat	12-DEC-2020 18:09:34	803133.8	814325	22.16655	113.96413	0.4	42	ShipXY
DE YUAN	Tug boat	12-DEC-2020 18:15:28	803133.8	814325	22.16655	113.96413	0.3	187	ShipXY
DE YUAN	Tug boat	12-DEC-2020 18:15:48	803133.8	814325	22.16655	113.96413	0.3	187	ShipXY
DE YUAN	Tug boat	12-DEC-2020 18:24:28	803139.3	814329.1	22.1666	113.96417	0.4	46	ShipXY
DE YUAN	Tug boat	12-DEC-2020 18:30:29	803119.4	814318.8	22.16642	113.96407	0.3	193	ShipXY
DE YUAN	Tug boat	12-DEC-2020 18:39:27	803147	814332.2	22.16667	113.9642	0.3	358	ShipXY
DE YUAN	Tug boat	12-DEC-2020 18:51:36	803126	814318.8	22.16648	113.96407	0.5	49	ShipXY
DE YUAN	Tug boat	12-DEC-2020 18:54:37	803144.8	814334.3	22.16665	113.96422	0.4	29	ShipXY
DE YUAN	Tug boat	12-DEC-2020 19:00:40	803102.8	814316.7	22.16627	113.96405	0.2	199	ShipXY
DE YUAN	Tug boat	12-DEC-2020 19:06:27	803124.9	814318.8	22.16647	113.96407	0.6	27	ShipXY
DE YUAN	Tug boat	12-DEC-2020 19:15:47	803106.1	814314.7	22.1663	113.96403	0.2	220	ShipXY
DE YUAN	Tug boat	12-DEC-2020 19:21:27	803117.2	814309.5	22.1664	113.96398	0.3	339	ShipXY
DE YUAN	Tug boat	12-DEC-2020 19:27:28	803130.5	814316.7	22.16652	113.96405	0.4	185	ShipXY
DE YUAN	Tug boat	12-DEC-2020 19:27:41	803130.5	814316.7	22.16652	113.96405	0.4	185	ShipXY
DE YUAN	Tug boat	12-DEC-2020 19:39:28	803117.2	814309.5	22.1664	113.96398	0.3	186	ShipXY
DE YUAN	Tug boat	12-DEC-2020 19:45:27	803133.8	814319.8	22.16655	113.96408	0.3	286	ShipXY
DE YUAN	Tug boat	12-DEC-2020 19:51:26	803100.6	814314.6	22.16625	113.96403	0.4	223	ShipXY
DE YUAN	Tug boat	12-DEC-2020 19:54:26	803102.8	814309.5	22.16627	113.96398	0.3	283	ShipXY
DE YUAN	Tug boat	12-DEC-2020 20:09:27	803087.3	814318.8	22.16613	113.96407	0.2	206	ShipXY
DE YUAN	Tug boat	12-DEC-2020 20:15:27	803102.8	814306.4	22.16627	113.96395	0.6	56	ShipXY
DE YUAN	Tug boat	12-DEC-2020 20:21:26	803126	814324	22.16648	113.96412	0.3	62	ShipXY
DE YUAN	Tug boat	12-DEC-2020 20:27:27	803097.2	814316.7	22.16622	113.96405	0.4	109	ShipXY
DE YUAN	Tug boat	12-DEC-2020 20:30:50	803086.2	814314.6	22.16612	113.96403	0.2	204	ShipXY
DE YUAN	Tug boat	12-DEC-2020 20:42:48	803124.9	814325	22.16647	113.96413	0	64	ShipXY
DE YUAN	Tug boat	12-DEC-2020 20:45:52	803120.5	814319.8	22.16643	113.96408	0.2	223	ShipXY
DE YUAN	Tug boat	12-DEC-2020 21:03:46	803098.3	814309.5	22.16623	113.96398	0.3	359	ShipXY
DE YUAN	Tug boat	12-DEC-2020 21:12:38	803130.4	814321.9	22.16652	113.9641	0.1	201	ShipXY
DE YUAN	Tug boat	12-DEC-2020 21:21:45	803080.6	814316.7	22.16607	113.96405	0.1	319	ShipXY
DE YUAN	Tug boat	12-DEC-2020 21:24:48	803089.5	814308.4	22.16615	113.96397	0.2	293	ShipXY
DE YUAN	Tug boat	12-DEC-2020 21:42:41	803089.5	814319.8	22.16615	113.96408	0.2	147	ShipXY
DE YUAN	Tug boat	12-DEC-2020 21:48:37	803089.5	814311.5	22.16615	113.964	0.2	41	ShipXY
DE YUAN	Tug boat	12-DEC-2020 21:54:43	803119.4	814321.9	22.16642	113.9641	0.2	350	ShipXY
DE YUAN	Tug boat	12-DEC-2020 22:06:37	803133.8	814329.1	22.16655	113.96417	0.1	39	ShipXY
DE YUAN	Tug boat	12-DEC-2020 22:18:26	803086.2	814321.8	22.16612	113.9641	0	56	ShipXY
DE YUAN	Tug boat	12-DEC-2020 22:21:47	803087.3	814318.8	22.16613	113.96407	0.2	0	ShipXY
DE YUAN	Tug boat	12-DEC-2020 22:33:46	803103.9	814318.8	22.16628	113.96407	0.1	217	ShipXY
DE YUAN	Tug boat	12-DEC-2020 22:48:49	803095	814318.8	22.1662	113.96407	0.4	303	ShipXY
DE YUAN	Tug boat	12-DEC-2020 23:00:53	803086.2	814319.8	22.16612	113.96408	0.3	147	ShipXY
DE YUAN	Tug boat	12-DEC-2020 23:06:48	803072.9	814318.7	22.166	113.96407	0.2	190	ShipXY
DE YUAN	Tug boat	12-DEC-2020 23:27:37	803075.1	814318.7	22.16602	113.96407	0.3	99	ShipXY
DE YUAN	Tug boat	12-DEC-2020 23:33:57	803078.4	814318.7	22.16605	113.96407	0.1	49	ShipXY
DE YUAN	Tug boat	12-DEC-2020 23:51:38	803083.9	814313.6	22.1661	113.96402	0.1	221	ShipXY
DE YUAN	Tug boat	12-DEC-2020 23:54:45	803086.2	814313.6	22.16612	113.96402	0	328	ShipXY
DE YUAN	Tug boat	13-DEC-2020 00:03:27	803092.8	814311.5	22.16618	113.964	0.3	297	ShipXY
DE YUAN	Tug boat	13-DEC-2020 00:09:49	803092.8	814313.6	22.16618	113.96402	0.3	329	ShipXY
DE YUAN	Tug boat	13-DEC-2020 00:21:46	803102.8	814311.6	22.16627	113.964	0.3	350	ShipXY
DE YUAN	Tug boat	13-DEC-2020 00:36:42	803103.9	814313.6	22.16628	113.96402	0	315	ShipXY
DE YUAN	Tug boat	13-DEC-2020 00:45:37	803091.7	814313.6	22.16617	113.96402	0.2	127	ShipXY
DE YUAN	Tug boat	13-DEC-2020 00:51:38	803089.5	814313.6	22.16615	113.96402	0	313	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	13-DEC-2020 00:54:42	803091.7	814314.6	22.16617	113.96403	0.2	292	ShipXY
DE YUAN	Tug boat	13-DEC-2020 00:55:50	803089.5	814313.6	22.16615	113.96402	0.1	114	ShipXY
DE YUAN	Tug boat	13-DEC-2020 01:00:52	803089.5	814314.6	22.16615	113.96403	0	179	ShipXY
DE YUAN	Tug boat	13-DEC-2020 01:12:26	803080.6	814314.6	22.16607	113.96403	0	162	ShipXY
DE YUAN	Tug boat	13-DEC-2020 01:21:38	803086.2	814313.6	22.16612	113.96402	0.2	338	ShipXY
DE YUAN	Tug boat	13-DEC-2020 01:30:44	803076.2	814313.6	22.16603	113.96402	0.1	56	ShipXY
DE YUAN	Tug boat	13-DEC-2020 01:36:40	803061.8	814327	22.1659	113.96415	0.1	144	ShipXY
DE YUAN	Tug boat	13-DEC-2020 01:45:38	803078.4	814311.5	22.16605	113.964	0.2	94	ShipXY
DE YUAN	Tug boat	13-DEC-2020 01:51:44	803064	814321.8	22.16592	113.9641	0.1	87	ShipXY
DE YUAN	Tug boat	13-DEC-2020 02:00:38	803047.4	814324.9	22.16577	113.96413	0.3	303	ShipXY
DE YUAN	Tug boat	13-DEC-2020 02:09:52	803072.9	814313.6	22.166	113.96402	0.1	64	ShipXY
DE YUAN	Tug boat	13-DEC-2020 02:15:27	803065.1	814321.8	22.16593	113.9641	0.3	42	ShipXY
DE YUAN	Tug boat	13-DEC-2020 02:21:39	803054	814332.1	22.16583	113.9642	0.3	335	ShipXY
DE YUAN	Tug boat	13-DEC-2020 02:27:38	803064	814314.6	22.16592	113.96403	0	354	ShipXY
DE YUAN	Tug boat	13-DEC-2020 02:33:26	803075.1	814309.5	22.16602	113.96398	0.3	198	ShipXY
DE YUAN	Tug boat	13-DEC-2020 02:45:38	803048.5	814318.7	22.16578	113.96407	0.5	319	ShipXY
DE YUAN	Tug boat	13-DEC-2020 02:51:39	803080.6	814308.4	22.16607	113.96397	0.4	176	ShipXY
DE YUAN	Tug boat	13-DEC-2020 02:54:38	803052.9	814323.9	22.16582	113.96412	0.4	173	ShipXY
DE YUAN	Tug boat	13-DEC-2020 03:03:26	803076.2	814309.5	22.16603	113.96398	0.4	343	ShipXY
DE YUAN	Tug boat	13-DEC-2020 03:06:38	803080.6	814306.4	22.16607	113.96395	0	259	ShipXY
DE YUAN	Tug boat	13-DEC-2020 03:15:27	803056.3	814309.4	22.16585	113.96398	0.3	21	ShipXY
DE YUAN	Tug boat	13-DEC-2020 03:21:38	803095	814308.4	22.1662	113.96397	0.3	196	ShipXY
DE YUAN	Tug boat	13-DEC-2020 03:27:39	803061.8	814316.7	22.1659	113.96405	0.2	182	ShipXY
DE YUAN	Tug boat	13-DEC-2020 03:33:27	803081.7	814313.6	22.16608	113.96402	0.4	18	ShipXY
DE YUAN	Tug boat	13-DEC-2020 03:36:46	803080.6	814309.5	22.16607	113.96398	0.2	165	ShipXY
DE YUAN	Tug boat	13-DEC-2020 03:45:38	803065.1	814308.4	22.16593	113.96397	0.1	294	ShipXY
DE YUAN	Tug boat	13-DEC-2020 03:51:27	803080.6	814306.4	22.16607	113.96395	0.3	154	ShipXY
DE YUAN	Tug boat	13-DEC-2020 03:57:27	803056.3	814319.7	22.16585	113.96408	0.3	293	ShipXY
DE YUAN	Tug boat	13-DEC-2020 04:03:27	803086.2	814311.5	22.16612	113.964	0.3	56	ShipXY
DE YUAN	Tug boat	13-DEC-2020 04:06:42	803084	814309.5	22.1661	113.96398	0.6	225	ShipXY
DE YUAN	Tug boat	13-DEC-2020 04:21:26	803058.5	814318.7	22.16587	113.96407	0.1	35	ShipXY
DE YUAN	Tug boat	13-DEC-2020 04:24:38	803061.8	814314.6	22.1659	113.96403	0	68	ShipXY
DE YUAN	Tug boat	13-DEC-2020 04:33:54	803048.5	814323.9	22.16578	113.96412	0.2	120	ShipXY
DE YUAN	Tug boat	13-DEC-2020 04:42:38	803047.4	814319.7	22.16577	113.96408	0.1	186	ShipXY
DE YUAN	Tug boat	13-DEC-2020 04:51:27	803041.9	814323.8	22.16572	113.96412	0.2	303	ShipXY
DE YUAN	Tug boat	13-DEC-2020 04:57:38	803041.8	814329	22.16572	113.96417	0	73	ShipXY
DE YUAN	Tug boat	13-DEC-2020 05:00:43	803039.6	814330	22.1657	113.96418	0.1	91	ShipXY
DE YUAN	Tug boat	13-DEC-2020 05:09:42	803059.6	814318.7	22.16588	113.96407	0.1	164	ShipXY
DE YUAN	Tug boat	13-DEC-2020 05:15:52	803054	814318.7	22.16583	113.96407	0.1	326	ShipXY
DE YUAN	Tug boat	13-DEC-2020 05:18:39	803058.5	814314.6	22.16587	113.96403	0	42	ShipXY
DE YUAN	Tug boat	13-DEC-2020 05:27:44	803052.9	814316.6	22.16582	113.96405	0.3	281	ShipXY
DE YUAN	Tug boat	13-DEC-2020 05:39:28	803048.5	814311.5	22.16578	113.964	0.2	343	ShipXY
DE YUAN	Tug boat	13-DEC-2020 05:51:27	803061.8	814306.3	22.1659	113.96395	0.3	343	ShipXY
DE YUAN	Tug boat	13-DEC-2020 05:54:38	803102.8	814309.5	22.16627	113.96398	0.5	13	ShipXY
DE YUAN	Tug boat	13-DEC-2020 06:03:27	803064	814303.2	22.16592	113.96392	0.3	346	ShipXY
DE YUAN	Tug boat	13-DEC-2020 06:06:50	803106.1	814313.6	22.1663	113.96402	0.3	3	ShipXY
DE YUAN	Tug boat	13-DEC-2020 06:15:28	803070.7	814299.1	22.16598	113.96388	0.1	29	ShipXY
DE YUAN	Tug boat	13-DEC-2020 06:24:46	803052.9	814313.5	22.16582	113.96402	0.1	342	ShipXY
DE YUAN	Tug boat	13-DEC-2020 06:33:27	803076.2	814309.5	22.16603	113.96398	0.7	173	ShipXY
DE YUAN	Tug boat	13-DEC-2020 06:34:05	803076.2	814309.5	22.16603	113.96398	0.7	173	ShipXY
DE YUAN	Tug boat	13-DEC-2020 06:45:27	803084	814311.5	22.1661	113.964	0.8	174	ShipXY
DE YUAN	Tug boat	13-DEC-2020 06:51:26	803075.1	814301.2	22.16602	113.9639	0.5	30	ShipXY
DE YUAN	Tug boat	13-DEC-2020 07:03:27	803086.2	814304.3	22.16612	113.96393	0.5	23	ShipXY
DE YUAN	Tug boat	13-DEC-2020 07:09:38	803069.6	814306.3	22.16597	113.96395	0.4	173	ShipXY
DE YUAN	Tug boat	13-DEC-2020 07:21:26	803056.3	814304.3	22.16585	113.96393	0.4	204	ShipXY
DE YUAN	Tug boat	13-DEC-2020 07:30:46	803080.6	814301.2	22.16607	113.9639	0.4	173	ShipXY
DE YUAN	Tug boat	13-DEC-2020 07:42:59	803058.5	814303.2	22.16587	113.96392	0.3	191	ShipXY
DE YUAN	Tug boat	13-DEC-2020 07:54:44	803056.3	814303.2	22.16585	113.96392	0.2	35	ShipXY
DE YUAN	Tug boat	13-DEC-2020 08:06:27	803047.4	814303.2	22.16577	113.96392	0.2	276	ShipXY
DE YUAN	Tug boat	13-DEC-2020 08:15:38	803041.9	814304.2	22.16572	113.96393	0.2	195	ShipXY
DE YUAN	Tug boat	13-DEC-2020 08:24:59	803058.5	814301.2	22.16587	113.9639	0.5	158	ShipXY
DE YUAN	Tug boat	13-DEC-2020 08:30:44	803109.4	814299.2	22.16633	113.96388	0.4	9	ShipXY
DE YUAN	Tug boat	13-DEC-2020 08:36:39	803050.8	814296	22.1658	113.96385	0.2	195	ShipXY
DE YUAN	Tug boat	13-DEC-2020 08:42:50	803106.1	814293	22.1663	113.96382	0.5	200	ShipXY
DE YUAN	Tug boat	13-DEC-2020 08:48:44	803061.8	814283.6	22.1659	113.96373	0.6	329	ShipXY
DE YUAN	Tug boat	13-DEC-2020 09:00:27	803092.8	814285.8	22.16618	113.96375	0.6	350	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	13-DEC-2020 09:09:43	803069.6	814280.6	22.16597	113.9637	0.3	14	ShipXY
DE YUAN	Tug boat	13-DEC-2020 09:15:27	803070.7	814287.8	22.16598	113.96377	0.8	176	ShipXY
DE YUAN	Tug boat	13-DEC-2020 09:21:26	803106.1	814285.8	22.1663	113.96375	0.5	46	ShipXY
DE YUAN	Tug boat	13-DEC-2020 09:27:51	803054.1	814288.8	22.16583	113.96378	0.4	143	ShipXY
DE YUAN	Tug boat	13-DEC-2020 09:33:43	803117.2	814287.8	22.1664	113.96377	0	159	ShipXY
DE YUAN	Tug boat	13-DEC-2020 09:36:45	803078.5	814285.7	22.16605	113.96375	0.6	191	ShipXY
DE YUAN	Tug boat	13-DEC-2020 09:45:43	803097.3	814278.5	22.16622	113.96368	0.4	181	ShipXY
DE YUAN	Tug boat	13-DEC-2020 09:48:43	803053	814288.8	22.16582	113.96378	0.5	159	ShipXY
DE YUAN	Tug boat	13-DEC-2020 09:54:27	803091.7	814282.7	22.16617	113.96372	0.4	7	ShipXY
DE YUAN	Tug boat	13-DEC-2020 10:00:39	803039.7	814292.9	22.1657	113.96382	0.1	168	ShipXY
DE YUAN	Tug boat	13-DEC-2020 10:09:27	803069.6	814285.7	22.16597	113.96375	0.6	137	ShipXY
DE YUAN	Tug boat	13-DEC-2020 10:15:26	803081.8	814280.6	22.16608	113.9637	0.6	354	ShipXY
DE YUAN	Tug boat	13-DEC-2020 10:21:46	803064.1	814285.7	22.16592	113.96375	0.5	180	ShipXY
DE YUAN	Tug boat	13-DEC-2020 10:27:36	803097.3	814280.6	22.16622	113.9637	0.6	17	ShipXY
DE YUAN	Tug boat	13-DEC-2020 10:33:27	803056.3	814285.7	22.16585	113.96375	0.5	156	ShipXY
DE YUAN	Tug boat	13-DEC-2020 10:39:27	803119.4	814285.8	22.16642	113.96375	0.6	29	ShipXY
DE YUAN	Tug boat	13-DEC-2020 10:45:27	803058.5	814283.6	22.16587	113.96373	0.4	199	ShipXY
DE YUAN	Tug boat	13-DEC-2020 10:48:27	803050.8	814283.6	22.1658	113.96373	0.3	0	ShipXY
DE YUAN	Tug boat	13-DEC-2020 10:57:50	803061.8	814288.8	22.1659	113.96378	0.6	163	ShipXY
DE YUAN	Tug boat	13-DEC-2020 11:03:27	803076.2	814278.5	22.16603	113.96368	0.5	7	ShipXY
DE YUAN	Tug boat	13-DEC-2020 11:15:27	803069.6	814277.5	22.16597	113.96367	0.6	346	ShipXY
DE YUAN	Tug boat	13-DEC-2020 11:21:27	803084	814282.6	22.1661	113.96372	0.7	175	ShipXY
DE YUAN	Tug boat	13-DEC-2020 11:27:27	803061.9	814277.5	22.1659	113.96367	0.7	14	ShipXY
DE YUAN	Tug boat	13-DEC-2020 11:33:27	803100.6	814280.6	22.16625	113.9637	0.4	198	ShipXY
DE YUAN	Tug boat	13-DEC-2020 11:39:28	803058.5	814275.4	22.16587	113.96365	0.3	7	ShipXY
DE YUAN	Tug boat	13-DEC-2020 11:45:28	803117.2	814285.8	22.1664	113.96375	0.5	200	ShipXY
DE YUAN	Tug boat	13-DEC-2020 11:51:26	803053	814280.5	22.16582	113.9637	0.4	330	ShipXY
DE YUAN	Tug boat	13-DEC-2020 11:57:27	803125	814291	22.16647	113.9638	0.3	123	ShipXY
DE YUAN	Tug boat	13-DEC-2020 12:00:27	803081.8	814283.7	22.16608	113.96373	0.5	160	ShipXY
DE YUAN	Tug boat	13-DEC-2020 12:06:27	803081.8	814277.5	22.16608	113.96367	0.9	9	ShipXY
DE YUAN	Tug boat	13-DEC-2020 12:15:26	803070.7	814283.7	22.16598	113.96373	0.6	162	ShipXY
DE YUAN	Tug boat	13-DEC-2020 12:21:27	803098.4	814280.6	22.16623	113.9637	0.4	41	ShipXY
DE YUAN	Tug boat	13-DEC-2020 12:27:27	803091.7	814285.8	22.16617	113.96375	0.5	162	ShipXY
DE YUAN	Tug boat	13-DEC-2020 12:33:26	803078.5	814278.5	22.16605	113.96368	0.6	349	ShipXY
DE YUAN	Tug boat	13-DEC-2020 12:42:26	803065.2	814283.7	22.16593	113.96373	0.5	182	ShipXY
DE YUAN	Tug boat	13-DEC-2020 12:54:32	803076.2	814285.7	22.16603	113.96375	0.7	168	ShipXY
DE YUAN	Tug boat	13-DEC-2020 13:00:50	803075.1	814280.6	22.16602	113.9637	0.7	7	ShipXY
DE YUAN	Tug boat	13-DEC-2020 13:09:27	803059.6	814287.8	22.16588	113.96377	0.6	155	ShipXY
DE YUAN	Tug boat	13-DEC-2020 13:15:27	803081.8	814280.6	22.16608	113.9637	0.4	355	ShipXY
DE YUAN	Tug boat	13-DEC-2020 13:21:27	803086.2	814282.6	22.16612	113.96372	0.5	158	ShipXY
DE YUAN	Tug boat	13-DEC-2020 13:27:27	803061.9	814275.4	22.1659	113.96365	0.3	22	ShipXY
DE YUAN	Tug boat	13-DEC-2020 13:30:27	803103.9	814285.8	22.16628	113.96375	0.6	33	ShipXY
DE YUAN	Tug boat	13-DEC-2020 13:36:41	803080.7	814285.7	22.16607	113.96375	0.1	92	ShipXY
DE YUAN	Tug boat	13-DEC-2020 13:42:51	803097.3	814282.7	22.16622	113.96372	0.4	19	ShipXY
DE YUAN	Tug boat	13-DEC-2020 13:48:26	803097.3	814285.8	22.16622	113.96375	0.8	178	ShipXY
DE YUAN	Tug boat	13-DEC-2020 13:54:41	803076.2	814277.5	22.16603	113.96367	0.6	27	ShipXY
DE YUAN	Tug boat	13-DEC-2020 14:00:27	803113.9	814285.8	22.16637	113.96375	0.7	133	ShipXY
DE YUAN	Tug boat	13-DEC-2020 14:09:39	803115	814285.8	22.16638	113.96375	0.4	285	ShipXY
DE YUAN	Tug boat	13-DEC-2020 14:15:27	803087.3	814283.7	22.16613	113.96373	0.4	106	ShipXY
DE YUAN	Tug boat	13-DEC-2020 14:21:27	803106.1	814280.6	22.1663	113.9637	0.9	22	ShipXY
DE YUAN	Tug boat	13-DEC-2020 14:21:45	803106.1	814280.6	22.1663	113.9637	0.9	22	ShipXY
DE YUAN	Tug boat	13-DEC-2020 14:33:39	803106.1	814278.6	22.1663	113.96368	1	14	ShipXY
DE YUAN	Tug boat	13-DEC-2020 14:39:27	803078.5	814283.7	22.16605	113.96373	0.7	167	ShipXY
DE YUAN	Tug boat	13-DEC-2020 14:45:48	803113.9	814282.7	22.16637	113.96372	0.2	17	ShipXY
DE YUAN	Tug boat	13-DEC-2020 14:51:27	803065.2	814282.6	22.16593	113.96372	0.3	196	ShipXY
DE YUAN	Tug boat	13-DEC-2020 15:00:29	803087.3	814283.7	22.16613	113.96373	0.7	194	ShipXY
DE YUAN	Tug boat	13-DEC-2020 15:09:56	803109.5	814282.7	22.16633	113.96372	0.2	242	ShipXY
DE YUAN	Tug boat	13-DEC-2020 15:15:26	803070.7	814273.3	22.16598	113.96363	0.4	326	ShipXY
DE YUAN	Tug boat	13-DEC-2020 15:21:27	803095.1	814282.7	22.1662	113.96372	0.3	152	ShipXY
DE YUAN	Tug boat	13-DEC-2020 15:27:27	803087.3	814278.5	22.16613	113.96368	0.3	336	ShipXY
DE YUAN	Tug boat	13-DEC-2020 15:33:27	803069.6	814283.7	22.16597	113.96373	0.5	179	ShipXY
DE YUAN	Tug boat	13-DEC-2020 15:39:27	803097.3	814280.6	22.16622	113.9637	0.4	39	ShipXY
DE YUAN	Tug boat	13-DEC-2020 15:45:27	803059.6	814285.7	22.16588	113.96375	0.3	222	ShipXY
DE YUAN	Tug boat	13-DEC-2020 15:48:55	803081.8	814277.5	22.16608	113.96367	0.7	23	ShipXY
DE YUAN	Tug boat	13-DEC-2020 15:54:26	803075.1	814283.7	22.16602	113.96373	0.5	179	ShipXY
DE YUAN	Tug boat	13-DEC-2020 16:06:27	803064.1	814280.6	22.16592	113.9637	0.6	282	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	13-DEC-2020 16:15:27	803067.4	814283.7	22.16595	113.96373	0.4	263	ShipXY
DE YUAN	Tug boat	13-DEC-2020 16:18:27	803089.5	814277.5	22.16615	113.96367	0.5	26	ShipXY
DE YUAN	Tug boat	13-DEC-2020 16:24:27	803080.7	814280.6	22.16607	113.9637	0.4	191	ShipXY
DE YUAN	Tug boat	13-DEC-2020 16:33:39	803100.6	814282.7	22.16625	113.96372	0.2	209	ShipXY
DE YUAN	Tug boat	13-DEC-2020 16:39:28	803100.6	814280.6	22.16625	113.9637	0.4	23	ShipXY
DE YUAN	Tug boat	13-DEC-2020 16:45:26	803070.7	814283.7	22.16598	113.96373	0.4	270	ShipXY
DE YUAN	Tug boat	13-DEC-2020 16:51:39	803115	814283.7	22.16638	113.96373	0.2	263	ShipXY
DE YUAN	Tug boat	13-DEC-2020 16:57:27	803069.6	814278.5	22.16597	113.96368	0.2	164	ShipXY
DE YUAN	Tug boat	13-DEC-2020 17:00:28	803091.7	814278.5	22.16617	113.96368	0.3	273	ShipXY
DE YUAN	Tug boat	13-DEC-2020 17:06:27	803065.2	814285.7	22.16593	113.96375	0.4	217	ShipXY
DE YUAN	Tug boat	13-DEC-2020 17:15:36	803070.7	814278.5	22.16598	113.96368	0.5	166	ShipXY
DE YUAN	Tug boat	13-DEC-2020 17:24:27	803080.7	814282.6	22.16607	113.96372	0.5	151	ShipXY
DE YUAN	Tug boat	13-DEC-2020 17:30:27	803078.5	814273.4	22.16605	113.96363	0.6	351	ShipXY
DE YUAN	Tug boat	13-DEC-2020 17:39:28	803065.2	814280.6	22.16593	113.9637	0.3	314	ShipXY
DE YUAN	Tug boat	13-DEC-2020 17:45:31	803100.6	814280.6	22.16625	113.9637	0.1	183	ShipXY
DE YUAN	Tug boat	13-DEC-2020 17:48:37	803072.9	814285.7	22.166	113.96375	0.3	194	ShipXY
DE YUAN	Tug boat	13-DEC-2020 17:54:47	803097.3	814280.6	22.16622	113.9637	0.3	357	ShipXY
DE YUAN	Tug boat	13-DEC-2020 18:00:29	803076.2	814282.6	22.16603	113.96372	0.3	31	ShipXY
DE YUAN	Tug boat	13-DEC-2020 18:03:34	803078.5	814278.5	22.16605	113.96368	0.2	342	ShipXY
DE YUAN	Tug boat	13-DEC-2020 18:15:27	803072.9	814280.6	22.166	113.9637	0.1	206	ShipXY
DE YUAN	Tug boat	13-DEC-2020 18:18:27	803098.4	814280.6	22.16623	113.9637	0.4	29	ShipXY
DE YUAN	Tug boat	13-DEC-2020 18:24:27	803084	814285.7	22.1661	113.96375	0.3	192	ShipXY
DE YUAN	Tug boat	13-DEC-2020 18:33:27	803111.7	814285.8	22.16635	113.96375	0.3	205	ShipXY
DE YUAN	Tug boat	13-DEC-2020 18:36:58	803092.8	814287.8	22.16618	113.96377	0.6	164	ShipXY
DE YUAN	Tug boat	13-DEC-2020 18:42:28	803072.9	814278.5	22.166	113.96368	0.3	353	ShipXY
DE YUAN	Tug boat	13-DEC-2020 18:48:39	803095.1	814278.5	22.1662	113.96368	0.8	167	ShipXY
DE YUAN	Tug boat	13-DEC-2020 18:57:27	803076.2	814278.5	22.16603	113.96368	0.2	67	ShipXY
DE YUAN	Tug boat	13-DEC-2020 19:03:28	803067.4	814283.7	22.16595	113.96373	0.3	194	ShipXY
DE YUAN	Tug boat	13-DEC-2020 19:03:43	803067.4	814283.7	22.16595	113.96373	0.3	194	ShipXY
DE YUAN	Tug boat	13-DEC-2020 19:12:27	803087.3	814277.5	22.16613	113.96367	0.3	201	ShipXY
DE YUAN	Tug boat	13-DEC-2020 19:21:40	803067.4	814275.4	22.16595	113.96365	0.5	244	ShipXY
DE YUAN	Tug boat	13-DEC-2020 19:27:39	803084	814273.4	22.1661	113.96363	0.2	201	ShipXY
DE YUAN	Tug boat	13-DEC-2020 19:33:42	803059.6	814288.8	22.16588	113.96378	0	194	ShipXY
DE YUAN	Tug boat	13-DEC-2020 19:45:27	803084	814280.6	22.1661	113.9637	0.2	173	ShipXY
DE YUAN	Tug boat	13-DEC-2020 19:45:52	803084	814280.6	22.1661	113.9637	0.2	173	ShipXY
DE YUAN	Tug boat	13-DEC-2020 19:57:27	803091.7	814282.7	22.16617	113.96372	0.4	25	ShipXY
DE YUAN	Tug boat	13-DEC-2020 20:03:27	803076.2	814285.7	22.16603	113.96375	0.6	188	ShipXY
DE YUAN	Tug boat	13-DEC-2020 20:15:40	803097.3	814282.7	22.16622	113.96372	0.2	324	ShipXY
DE YUAN	Tug boat	13-DEC-2020 20:18:45	803098.4	814280.6	22.16623	113.9637	0.1	305	ShipXY
DE YUAN	Tug boat	13-DEC-2020 20:27:39	803065.2	814280.6	22.16593	113.9637	0.1	357	ShipXY
DE YUAN	Tug boat	13-DEC-2020 20:30:39	803078.5	814277.5	22.16605	113.96367	0.1	288	ShipXY
DE YUAN	Tug boat	13-DEC-2020 20:45:28	803061.8	814283.6	22.1659	113.96373	0.4	158	ShipXY
DE YUAN	Tug boat	13-DEC-2020 20:51:48	803086.2	814283.7	22.16612	113.96373	0	14	ShipXY
DE YUAN	Tug boat	13-DEC-2020 21:00:41	803072.9	814288.8	22.166	113.96378	0.4	184	ShipXY
DE YUAN	Tug boat	13-DEC-2020 21:15:45	803091.7	814282.7	22.16617	113.96372	0.1	309	ShipXY
DE YUAN	Tug boat	13-DEC-2020 21:21:27	803075.1	814288.8	22.16602	113.96378	0.5	203	ShipXY
DE YUAN	Tug boat	13-DEC-2020 21:27:27	803064.1	814287.8	22.16592	113.96377	0.3	299	ShipXY
DE YUAN	Tug boat	13-DEC-2020 21:33:47	803084	814285.7	22.1661	113.96375	0.5	348	ShipXY
DE YUAN	Tug boat	13-DEC-2020 21:45:27	803091.7	814285.8	22.16617	113.96375	0.3	119	ShipXY
DE YUAN	Tug boat	13-DEC-2020 21:57:28	803072.9	814280.6	22.166	113.9637	0.3	292	ShipXY
DE YUAN	Tug boat	13-DEC-2020 22:03:26	803080.7	814285.7	22.16607	113.96375	0.3	321	ShipXY
DE YUAN	Tug boat	13-DEC-2020 22:09:27	803084	814283.7	22.1661	113.96373	0.5	191	ShipXY
DE YUAN	Tug boat	13-DEC-2020 22:12:40	803084	814280.6	22.1661	113.9637	0.4	256	ShipXY
DE YUAN	Tug boat	13-DEC-2020 22:21:27	803081.8	814283.7	22.16608	113.96373	0.3	359	ShipXY
DE YUAN	Tug boat	13-DEC-2020 22:24:27	803081.8	814283.7	22.16608	113.96373	0.4	180	ShipXY
DE YUAN	Tug boat	13-DEC-2020 22:33:27	803076.2	814285.7	22.16603	113.96375	0.7	309	ShipXY
DE YUAN	Tug boat	13-DEC-2020 22:39:40	803072.9	814288.8	22.166	113.96378	0.5	117	ShipXY
DE YUAN	Tug boat	13-DEC-2020 22:42:27	803070.7	814290.9	22.16598	113.9638	0.4	129	ShipXY
DE YUAN	Tug boat	13-DEC-2020 22:48:27	803064	814292.9	22.16592	113.96382	0.3	282	ShipXY
DE YUAN	Tug boat	13-DEC-2020 22:48:54	803064	814292.9	22.16592	113.96382	0.3	282	ShipXY
DE YUAN	Tug boat	13-DEC-2020 23:03:39	803061.8	814296	22.1659	113.96385	0.3	87	ShipXY
DE YUAN	Tug boat	13-DEC-2020 23:09:27	803061.8	814299.1	22.1659	113.96388	0.3	130	ShipXY
DE YUAN	Tug boat	13-DEC-2020 23:15:46	803056.3	814303.2	22.16585	113.96392	0.5	107	ShipXY
DE YUAN	Tug boat	13-DEC-2020 23:21:45	803056.3	814309.4	22.16585	113.96398	0.1	325	ShipXY
DE YUAN	Tug boat	13-DEC-2020 23:27:27	803056.3	814311.5	22.16585	113.964	0.3	244	ShipXY
DE YUAN	Tug boat	13-DEC-2020 23:30:51	803056.3	814316.6	22.16585	113.96405	0.6	82	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	13-DEC-2020 23:39:27	803065.1	814324.9	22.16593	113.96413	0.4	95	ShipXY
DE YUAN	Tug boat	13-DEC-2020 23:45:42	803065.1	814323.9	22.16593	113.96412	0	327	ShipXY
DE YUAN	Tug boat	13-DEC-2020 23:48:27	803064	814323.9	22.16592	113.96412	0.3	140	ShipXY
DE YUAN	Tug boat	13-DEC-2020 23:51:45	803061.8	814323.9	22.1659	113.96412	0	190	ShipXY
DE YUAN	Tug boat	13-DEC-2020 23:57:57	803065.1	814323.9	22.16593	113.96412	0.1	176	ShipXY
DE YUAN	Tug boat	14-DEC-2020 00:09:27	803056.3	814319.7	22.16585	113.96408	0.1	105	ShipXY
DE YUAN	Tug boat	14-DEC-2020 00:15:27	803054	814316.6	22.16583	113.96405	0.3	59	ShipXY
DE YUAN	Tug boat	14-DEC-2020 00:21:58	803056.3	814309.4	22.16585	113.96398	0	269	ShipXY
DE YUAN	Tug boat	14-DEC-2020 00:24:45	803054.1	814304.3	22.16583	113.96393	0	97	ShipXY
DE YUAN	Tug boat	14-DEC-2020 00:33:27	803048.5	814301.2	22.16578	113.9639	0.7	90	ShipXY
DE YUAN	Tug boat	14-DEC-2020 00:36:28	803048.5	814304.3	22.16578	113.96393	0.3	211	ShipXY
DE YUAN	Tug boat	14-DEC-2020 00:45:27	803053	814301.2	22.16582	113.9639	0.3	45	ShipXY
DE YUAN	Tug boat	14-DEC-2020 00:51:47	803054.1	814303.2	22.16583	113.96392	0.1	320	ShipXY
DE YUAN	Tug boat	14-DEC-2020 01:03:27	803048.5	814306.3	22.16578	113.96395	0.3	108	ShipXY
DE YUAN	Tug boat	14-DEC-2020 01:09:27	803052.9	814308.4	22.16582	113.96397	0.4	64	ShipXY
DE YUAN	Tug boat	14-DEC-2020 01:15:27	803050.7	814301.2	22.1658	113.9639	0.4	88	ShipXY
DE YUAN	Tug boat	14-DEC-2020 01:21:45	803053	814293.9	22.16582	113.96383	0.4	76	ShipXY
DE YUAN	Tug boat	14-DEC-2020 01:33:45	803058.5	814292.9	22.16587	113.96382	0.2	311	ShipXY
DE YUAN	Tug boat	14-DEC-2020 01:36:27	803059.6	814290.9	22.16588	113.9638	0.2	291	ShipXY
DE YUAN	Tug boat	14-DEC-2020 01:42:48	803061.8	814288.8	22.1659	113.96378	0.1	2	ShipXY
DE YUAN	Tug boat	14-DEC-2020 01:57:27	803064.1	814288.8	22.16592	113.96378	0.5	279	ShipXY
DE YUAN	Tug boat	14-DEC-2020 02:00:52	803064	814290.9	22.16592	113.9638	0.3	277	ShipXY
DE YUAN	Tug boat	14-DEC-2020 02:06:37	803059.6	814290.9	22.16588	113.9638	0.1	15	ShipXY
DE YUAN	Tug boat	14-DEC-2020 02:12:27	803056.3	814292.9	22.16585	113.96382	0.1	61	ShipXY
DE YUAN	Tug boat	14-DEC-2020 02:27:47	803070.7	814287.8	22.16598	113.96377	0.7	303	ShipXY
DE YUAN	Tug boat	14-DEC-2020 02:33:26	803069.6	814283.7	22.16597	113.96373	0.3	269	ShipXY
DE YUAN	Tug boat	14-DEC-2020 02:39:27	803065.2	814282.6	22.16593	113.96372	0.4	133	ShipXY
DE YUAN	Tug boat	14-DEC-2020 02:42:57	803059.6	814283.6	22.16588	113.96373	0.2	179	ShipXY
DE YUAN	Tug boat	14-DEC-2020 02:51:26	803056.3	814285.7	22.16585	113.96375	0.3	196	ShipXY
DE YUAN	Tug boat	14-DEC-2020 03:03:40	803050.8	814285.7	22.1658	113.96375	0	114	ShipXY
DE YUAN	Tug boat	14-DEC-2020 03:09:26	803067.4	814282.6	22.16595	113.96372	0.4	311	ShipXY
DE YUAN	Tug boat	14-DEC-2020 03:15:46	803054.1	814292.9	22.16583	113.96382	0.3	105	ShipXY
DE YUAN	Tug boat	14-DEC-2020 03:21:27	803047.4	814293.9	22.16577	113.96383	0.3	356	ShipXY
DE YUAN	Tug boat	14-DEC-2020 03:27:36	803061.8	814285.7	22.1659	113.96375	0.1	332	ShipXY
DE YUAN	Tug boat	14-DEC-2020 03:30:44	803061.8	814285.7	22.1659	113.96375	0.1	57	ShipXY
DE YUAN	Tug boat	14-DEC-2020 03:36:27	803058.5	814288.8	22.16587	113.96378	0.2	3	ShipXY
DE YUAN	Tug boat	14-DEC-2020 03:42:46	803061.8	814282.6	22.1659	113.96372	0.1	326	ShipXY
DE YUAN	Tug boat	14-DEC-2020 03:51:45	803069.6	814283.7	22.16597	113.96373	0	122	ShipXY
DE YUAN	Tug boat	14-DEC-2020 03:57:45	803080.7	814278.5	22.16607	113.96368	0	159	ShipXY
DE YUAN	Tug boat	14-DEC-2020 04:00:56	803084	814283.7	22.1661	113.96373	0.1	44	ShipXY
DE YUAN	Tug boat	14-DEC-2020 04:07:00	803080.7	814283.7	22.16607	113.96373	0.3	236	ShipXY
DE YUAN	Tug boat	14-DEC-2020 04:21:46	803075.1	814282.6	22.16602	113.96372	0	3	ShipXY
DE YUAN	Tug boat	14-DEC-2020 04:27:26	803065.2	814283.7	22.16593	113.96373	0.3	194	ShipXY
DE YUAN	Tug boat	14-DEC-2020 04:39:45	803075.1	814278.5	22.16602	113.96368	0	126	ShipXY
DE YUAN	Tug boat	14-DEC-2020 04:45:47	803072.9	814280.6	22.166	113.9637	0	276	ShipXY
DE YUAN	Tug boat	14-DEC-2020 04:51:49	803076.2	814280.6	22.16603	113.9637	0.2	83	ShipXY
DE YUAN	Tug boat	14-DEC-2020 05:03:52	803076.2	814280.6	22.16603	113.9637	0.2	219	ShipXY
DE YUAN	Tug boat	14-DEC-2020 05:06:27	803076.2	814280.6	22.16603	113.9637	0.3	247	ShipXY
DE YUAN	Tug boat	14-DEC-2020 05:06:41	803076.2	814280.6	22.16603	113.9637	0.3	247	ShipXY
DE YUAN	Tug boat	14-DEC-2020 05:21:30	803081.8	814278.5	22.16608	113.96368	0.2	353	ShipXY
DE YUAN	Tug boat	14-DEC-2020 05:27:40	803086.2	814282.6	22.16612	113.96372	0.1	127	ShipXY
DE YUAN	Tug boat	14-DEC-2020 05:39:27	803084	814278.5	22.1661	113.96368	0.1	120	ShipXY
DE YUAN	Tug boat	14-DEC-2020 05:39:44	803084	814278.5	22.1661	113.96368	0.1	120	ShipXY
DE YUAN	Tug boat	14-DEC-2020 05:51:27	803087.3	814278.5	22.16613	113.96368	0.1	354	ShipXY
DE YUAN	Tug boat	14-DEC-2020 05:57:40	803084	814278.5	22.1661	113.96368	0.1	232	ShipXY
DE YUAN	Tug boat	14-DEC-2020 06:03:55	803084	814278.5	22.1661	113.96368	0.1	227	ShipXY
DE YUAN	Tug boat	14-DEC-2020 06:09:46	803076.2	814280.6	22.16603	113.9637	0.1	142	ShipXY
DE YUAN	Tug boat	14-DEC-2020 06:21:27	803076.2	814277.5	22.16603	113.96367	0.1	118	ShipXY
DE YUAN	Tug boat	14-DEC-2020 06:21:40	803076.2	814277.5	22.16603	113.96367	0.1	118	ShipXY
DE YUAN	Tug boat	14-DEC-2020 06:36:27	803069.6	814278.5	22.16597	113.96368	0	69	ShipXY
DE YUAN	Tug boat	14-DEC-2020 06:45:27	803067.4	814278.5	22.16595	113.96368	0.3	295	ShipXY
DE YUAN	Tug boat	14-DEC-2020 06:57:40	803078.5	814280.6	22.16605	113.9637	0.1	353	ShipXY
DE YUAN	Tug boat	14-DEC-2020 07:03:40	803098.4	814282.7	22.16623	113.96372	0	49	ShipXY
DE YUAN	Tug boat	14-DEC-2020 07:06:41	803087.3	814280.6	22.16613	113.9637	0.2	120	ShipXY
DE YUAN	Tug boat	14-DEC-2020 07:15:40	803098.4	814282.7	22.16623	113.96372	0.1	58	ShipXY
DE YUAN	Tug boat	14-DEC-2020 07:27:41	803091.7	814277.5	22.16617	113.96367	0.1	56	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	14-DEC-2020 07:30:49	803086.2	814278.5	22.16612	113.96368	0.5	245	ShipXY
DE YUAN	Tug boat	14-DEC-2020 07:42:27	803100.6	814285.8	22.16625	113.96375	0.1	85	ShipXY
DE YUAN	Tug boat	14-DEC-2020 07:45:48	803087.3	814283.7	22.16613	113.96373	0.1	172	ShipXY
DE YUAN	Tug boat	14-DEC-2020 08:03:40	803072.9	814275.4	22.166	113.96365	0	287	ShipXY
DE YUAN	Tug boat	14-DEC-2020 08:09:40	803076.2	814277.5	22.16603	113.96367	0.2	126	ShipXY
DE YUAN	Tug boat	14-DEC-2020 08:15:27	803059.6	814280.5	22.16588	113.9637	0.3	337	ShipXY
DE YUAN	Tug boat	14-DEC-2020 08:21:45	803102.8	814283.7	22.16627	113.96373	0.1	287	ShipXY
DE YUAN	Tug boat	14-DEC-2020 08:30:27	803069.6	814275.4	22.16597	113.96365	0	314	ShipXY
DE YUAN	Tug boat	14-DEC-2020 08:39:27	803064.1	814285.7	22.16592	113.96375	0.3	78	ShipXY
DE YUAN	Tug boat	14-DEC-2020 08:45:38	803086.2	814278.5	22.16612	113.96368	0.1	278	ShipXY
DE YUAN	Tug boat	14-DEC-2020 08:54:26	803069.6	814283.7	22.16597	113.96373	0.2	88	ShipXY
DE YUAN	Tug boat	14-DEC-2020 08:54:48	803069.6	814283.7	22.16597	113.96373	0.2	88	ShipXY
DE YUAN	Tug boat	14-DEC-2020 09:06:27	803076.2	814283.7	22.16603	113.96373	0.1	262	ShipXY
DE YUAN	Tug boat	14-DEC-2020 09:15:26	803109.5	814287.8	22.16633	113.96377	0.3	275	ShipXY
DE YUAN	Tug boat	14-DEC-2020 09:27:40	803097.3	814282.7	22.16622	113.96372	0.3	65	ShipXY
DE YUAN	Tug boat	14-DEC-2020 09:39:27	803078.5	814277.5	22.16605	113.96367	0.6	4	ShipXY
DE YUAN	Tug boat	14-DEC-2020 09:45:36	803108.4	814283.7	22.16632	113.96373	0.4	204	ShipXY
DE YUAN	Tug boat	14-DEC-2020 09:48:27	803076.2	814285.7	22.16603	113.96375	0.3	205	ShipXY
DE YUAN	Tug boat	14-DEC-2020 09:54:30	803102.8	814283.7	22.16627	113.96373	0.4	7	ShipXY
DE YUAN	Tug boat	14-DEC-2020 10:00:26	803081.8	814285.7	22.16608	113.96375	0.3	198	ShipXY
DE YUAN	Tug boat	14-DEC-2020 10:03:46	803064.1	814282.6	22.16592	113.96372	0.2	252	ShipXY
DE YUAN	Tug boat	14-DEC-2020 10:12:26	803087.3	814283.7	22.16613	113.96373	0.5	168	ShipXY
DE YUAN	Tug boat	14-DEC-2020 10:12:41	803087.3	814283.7	22.16613	113.96373	0.5	168	ShipXY
DE YUAN	Tug boat	14-DEC-2020 10:27:41	803061.8	814283.6	22.1659	113.96373	0.3	165	ShipXY
DE YUAN	Tug boat	14-DEC-2020 10:30:37	803078.5	814272.3	22.16605	113.96362	0.3	1	ShipXY
DE YUAN	Tug boat	14-DEC-2020 10:39:27	803070.7	814283.7	22.16598	113.96373	0.3	154	ShipXY
DE YUAN	Tug boat	14-DEC-2020 10:45:26	803092.9	814278.5	22.16618	113.96368	0.7	352	ShipXY
DE YUAN	Tug boat	14-DEC-2020 10:48:37	803111.7	814283.7	22.16635	113.96373	0.1	155	ShipXY
DE YUAN	Tug boat	14-DEC-2020 10:57:27	803075.1	814275.4	22.16602	113.96365	0.2	40	ShipXY
DE YUAN	Tug boat	14-DEC-2020 11:06:56	803080.7	814285.7	22.16607	113.96375	0.2	183	ShipXY
DE YUAN	Tug boat	14-DEC-2020 11:15:27	803103.9	814285.8	22.16628	113.96375	0.3	62	ShipXY
DE YUAN	Tug boat	14-DEC-2020 11:21:27	803087.3	814287.8	22.16613	113.96377	0.3	193	ShipXY
DE YUAN	Tug boat	14-DEC-2020 11:27:47	803072.9	814280.6	22.166	113.9637	0.1	4	ShipXY
DE YUAN	Tug boat	14-DEC-2020 11:42:42	803070.7	814282.6	22.16598	113.96372	0	290	ShipXY
DE YUAN	Tug boat	14-DEC-2020 11:48:50	803102.8	814282.7	22.16627	113.96372	0	35	ShipXY
DE YUAN	Tug boat	14-DEC-2020 11:57:27	803092.8	814287.8	22.16618	113.96377	0.2	104	ShipXY
DE YUAN	Tug boat	14-DEC-2020 11:57:53	803092.8	814287.8	22.16618	113.96377	0.2	104	ShipXY
DE YUAN	Tug boat	14-DEC-2020 12:06:51	803091.7	814277.5	22.16617	113.96367	0.2	75	ShipXY
DE YUAN	Tug boat	14-DEC-2020 12:15:41	803095.1	814282.7	22.1662	113.96372	0.1	149	ShipXY
DE YUAN	Tug boat	14-DEC-2020 12:15:56	803095.1	814282.7	22.1662	113.96372	0.1	149	ShipXY
DE YUAN	Tug boat	14-DEC-2020 12:27:41	803097.3	814278.5	22.16622	113.96368	0.4	357	ShipXY
DE YUAN	Tug boat	14-DEC-2020 12:27:50	803097.3	814278.5	22.16622	113.96368	0.4	357	ShipXY
DE YUAN	Tug boat	14-DEC-2020 12:33:47	803109.5	814287.8	22.16633	113.96377	0.1	234	ShipXY
DE YUAN	Tug boat	14-DEC-2020 12:42:54	803075.1	814283.7	22.16602	113.96373	0	206	ShipXY
DE YUAN	Tug boat	14-DEC-2020 12:51:47	803113.9	814288.9	22.16637	113.96378	0.4	270	ShipXY
DE YUAN	Tug boat	14-DEC-2020 13:03:40	803076.2	814287.8	22.16603	113.96377	0.3	164	ShipXY
DE YUAN	Tug boat	14-DEC-2020 13:09:40	803076.2	814282.6	22.16603	113.96372	0.2	80	ShipXY
DE YUAN	Tug boat	14-DEC-2020 13:09:47	803076.2	814282.6	22.16603	113.96372	0.2	80	ShipXY
DE YUAN	Tug boat	14-DEC-2020 13:21:40	803081.8	814283.7	22.16608	113.96373	0.1	244	ShipXY
DE YUAN	Tug boat	14-DEC-2020 13:27:41	803089.5	814283.7	22.16615	113.96373	0	102	ShipXY
DE YUAN	Tug boat	14-DEC-2020 13:33:41	803092.8	814283.7	22.16618	113.96373	0	5	ShipXY
DE YUAN	Tug boat	14-DEC-2020 13:45:41	803078.5	814285.7	22.16605	113.96375	0	92	ShipXY
DE YUAN	Tug boat	14-DEC-2020 13:54:54	803084	814280.6	22.1661	113.9637	0.2	144	ShipXY
DE YUAN	Tug boat	14-DEC-2020 14:03:41	803089.5	814280.6	22.16615	113.9637	0.2	145	ShipXY
DE YUAN	Tug boat	14-DEC-2020 14:15:41	803075.1	814285.7	22.16602	113.96375	0.2	31	ShipXY
DE YUAN	Tug boat	14-DEC-2020 14:27:41	803076.2	814280.6	22.16603	113.9637	0	114	ShipXY
DE YUAN	Tug boat	14-DEC-2020 14:33:40	803080.7	814280.6	22.16607	113.9637	0.1	276	ShipXY
DE YUAN	Tug boat	14-DEC-2020 14:39:46	803076.2	814283.7	22.16603	113.96373	0	52	ShipXY
DE YUAN	Tug boat	14-DEC-2020 14:51:40	803084	814280.6	22.1661	113.9637	0.1	110	ShipXY
DE YUAN	Tug boat	14-DEC-2020 14:54:41	803086.2	814280.6	22.16612	113.9637	0.1	42	ShipXY
DE YUAN	Tug boat	14-DEC-2020 15:03:41	803086.2	814278.5	22.16612	113.96368	0.2	127	ShipXY
DE YUAN	Tug boat	14-DEC-2020 15:06:41	803087.3	814280.6	22.16613	113.9637	0.1	217	ShipXY
DE YUAN	Tug boat	14-DEC-2020 15:15:33	803084	814282.6	22.1661	113.96372	0	144	ShipXY
DE YUAN	Tug boat	14-DEC-2020 15:27:41	803086.2	814282.6	22.16612	113.96372	0	268	ShipXY
DE YUAN	Tug boat	14-DEC-2020 15:39:43	803081.8	814278.5	22.16608	113.96368	0.1	320	ShipXY
DE YUAN	Tug boat	14-DEC-2020 15:45:56	803087.3	814278.5	22.16613	113.96368	0.1	173	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	14-DEC-2020 16:03:41	803095.1	814280.6	22.1662	113.9637	0.2	93	ShipXY
DE YUAN	Tug boat	14-DEC-2020 16:09:40	803097.3	814280.6	22.16622	113.9637	0.4	257	ShipXY
DE YUAN	Tug boat	14-DEC-2020 16:09:43	803097.3	814280.6	22.16622	113.9637	0.4	257	ShipXY
DE YUAN	Tug boat	14-DEC-2020 16:21:42	803087.3	814278.5	22.16613	113.96368	0	297	ShipXY
DE YUAN	Tug boat	14-DEC-2020 16:24:55	803086.2	814280.6	22.16612	113.9637	0.2	70	ShipXY
DE YUAN	Tug boat	14-DEC-2020 16:39:40	803086.2	814278.5	22.16612	113.96368	0.3	82	ShipXY
DE YUAN	Tug boat	14-DEC-2020 16:39:57	803086.2	814278.5	22.16612	113.96368	0.3	82	ShipXY
DE YUAN	Tug boat	14-DEC-2020 16:48:49	803087.3	814278.5	22.16613	113.96368	0.3	72	ShipXY
DE YUAN	Tug boat	14-DEC-2020 16:54:57	803089.5	814277.5	22.16615	113.96367	0.1	235	ShipXY
DE YUAN	Tug boat	14-DEC-2020 17:00:52	803084	814278.5	22.1661	113.96368	0	211	ShipXY
DE YUAN	Tug boat	14-DEC-2020 17:09:41	803095.1	814277.5	22.1662	113.96367	0.4	115	ShipXY
DE YUAN	Tug boat	14-DEC-2020 17:09:54	803095.1	814277.5	22.1662	113.96367	0.4	115	ShipXY
DE YUAN	Tug boat	14-DEC-2020 17:21:47	803092.9	814277.5	22.16618	113.96367	0.2	87	ShipXY
DE YUAN	Tug boat	14-DEC-2020 17:27:40	803086.2	814278.5	22.16612	113.96368	0.1	101	ShipXY
DE YUAN	Tug boat	14-DEC-2020 17:36:44	803087.3	814280.6	22.16613	113.9637	0.2	122	ShipXY
DE YUAN	Tug boat	14-DEC-2020 17:39:49	803086.2	814275.4	22.16612	113.96365	0.1	351	ShipXY
DE YUAN	Tug boat	14-DEC-2020 17:51:40	803095.1	814278.5	22.1662	113.96368	0.1	222	ShipXY
DE YUAN	Tug boat	14-DEC-2020 17:54:43	803091.7	814280.6	22.16617	113.9637	0.4	95	ShipXY
DE YUAN	Tug boat	14-DEC-2020 18:03:57	803095.1	814278.5	22.1662	113.96368	0.2	210	ShipXY
DE YUAN	Tug boat	14-DEC-2020 18:09:47	803084	814277.5	22.1661	113.96367	0.1	35	ShipXY
DE YUAN	Tug boat	14-DEC-2020 18:18:49	803097.3	814282.7	22.16622	113.96372	0.1	344	ShipXY
DE YUAN	Tug boat	14-DEC-2020 18:36:53	803095.1	814280.6	22.1662	113.9637	0	266	ShipXY
DE YUAN	Tug boat	14-DEC-2020 18:52:03	803091.7	814285.8	22.16617	113.96375	0.3	90	ShipXY
DE YUAN	Tug boat	14-DEC-2020 18:57:41	803097.3	814283.7	22.16622	113.96373	0.1	80	ShipXY
DE YUAN	Tug boat	14-DEC-2020 19:03:33	803089.5	814278.5	22.16615	113.96368	0.4	49	ShipXY
DE YUAN	Tug boat	14-DEC-2020 19:06:49	803087.3	814280.6	22.16613	113.9637	0.4	112	ShipXY
DE YUAN	Tug boat	14-DEC-2020 19:08:12	803081.8	814278.5	22.16608	113.96368	0.1	97	ShipXY
DE YUAN	Tug boat	14-DEC-2020 19:21:42	803092.9	814277.5	22.16618	113.96367	0.3	104	ShipXY
DE YUAN	Tug boat	14-DEC-2020 19:27:42	803089.5	814275.4	22.16615	113.96365	0.3	295	ShipXY
DE YUAN	Tug boat	14-DEC-2020 19:30:47	803092.9	814273.4	22.16618	113.96363	0.4	214	ShipXY
DE YUAN	Tug boat	14-DEC-2020 19:39:44	803084	814272.3	22.1661	113.96362	0.4	261	ShipXY
DE YUAN	Tug boat	14-DEC-2020 19:42:37	803081.8	814277.5	22.16608	113.96367	0.3	123	ShipXY
DE YUAN	Tug boat	14-DEC-2020 19:57:58	803067.4	814275.4	22.16595	113.96365	0.4	20	ShipXY
DE YUAN	Tug boat	14-DEC-2020 20:00:46	803081.8	814280.6	22.16608	113.9637	0.3	146	ShipXY
DE YUAN	Tug boat	14-DEC-2020 20:06:49	803078.5	814275.4	22.16605	113.96365	0.1	64	ShipXY
DE YUAN	Tug boat	14-DEC-2020 20:21:59	803059.6	814282.6	22.16588	113.96372	0.5	57	ShipXY
DE YUAN	Tug boat	14-DEC-2020 20:27:52	803065.2	814282.6	22.16593	113.96372	0.2	164	ShipXY
DE YUAN	Tug boat	14-DEC-2020 20:39:54	803061.8	814282.6	22.1659	113.96372	0.6	66	ShipXY
DE YUAN	Tug boat	14-DEC-2020 20:51:40	803070.7	814282.6	22.16598	113.96372	0.4	229	ShipXY
DE YUAN	Tug boat	14-DEC-2020 20:57:43	803208.1	814193.1	22.16722	113.96285	0	332	ShipXY
DE YUAN	Tug boat	14-DEC-2020 21:09:48	803187.1	814201.3	22.16703	113.96293	0.5	25	ShipXY
DE YUAN	Tug boat	14-DEC-2020 21:15:47	803178.2	814210.6	22.16695	113.96302	0.4	47	ShipXY
DE YUAN	Tug boat	14-DEC-2020 21:21:58	803172.7	814215.7	22.1669	113.96307	0.3	44	ShipXY
DE YUAN	Tug boat	14-DEC-2020 21:30:44	803152.7	814210.5	22.16672	113.96302	0.2	327	ShipXY
DE YUAN	Tug boat	14-DEC-2020 21:39:47	803136.1	814221.9	22.16657	113.96313	0.2	48	ShipXY
DE YUAN	Tug boat	14-DEC-2020 21:42:49	803130.6	814226	22.16652	113.96317	0.3	356	ShipXY
DE YUAN	Tug boat	14-DEC-2020 21:57:51	803115.1	814239.4	22.16638	113.9633	0.3	204	ShipXY
DE YUAN	Tug boat	14-DEC-2020 22:00:44	803050.8	814288.8	22.1658	113.96378	0.4	62	ShipXY
DE YUAN	Tug boat	14-DEC-2020 22:12:52	803058.5	814285.7	22.16587	113.96375	0.5	214	ShipXY
DE YUAN	Tug boat	14-DEC-2020 22:18:53	803050.8	814293.9	22.1658	113.96383	0.4	112	ShipXY
DE YUAN	Tug boat	14-DEC-2020 22:24:42	803047.4	814283.6	22.16577	113.96373	0.2	106	ShipXY
DE YUAN	Tug boat	14-DEC-2020 22:30:29	803047.4	814299.1	22.16577	113.96388	0.2	117	ShipXY
DE YUAN	Tug boat	14-DEC-2020 22:42:47	803058.5	814292.9	22.16587	113.96382	0.4	223	ShipXY
DE YUAN	Tug boat	14-DEC-2020 22:51:38	803056.3	814288.8	22.16585	113.96378	0.1	45	ShipXY
DE YUAN	Tug boat	14-DEC-2020 22:57:51	803045.2	814293.9	22.16575	113.96383	0.3	85	ShipXY
DE YUAN	Tug boat	14-DEC-2020 23:00:54	803039.7	814301.1	22.1657	113.9639	0.7	165	ShipXY
DE YUAN	Tug boat	14-DEC-2020 23:12:48	803034.1	814304.2	22.16565	113.96393	0.4	154	ShipXY
DE YUAN	Tug boat	14-DEC-2020 23:18:47	803037.5	814299.1	22.16568	113.96388	0.2	26	ShipXY
DE YUAN	Tug boat	14-DEC-2020 23:24:47	803028.6	814309.4	22.1656	113.96398	0.2	324	ShipXY
DE YUAN	Tug boat	14-DEC-2020 23:33:46	803028.6	814304.2	22.1656	113.96393	0	79	ShipXY
DE YUAN	Tug boat	14-DEC-2020 23:36:48	803037.5	814299.1	22.16568	113.96388	0.3	48	ShipXY
DE YUAN	Tug boat	14-DEC-2020 23:57:42	803048.5	814288.8	22.16578	113.96378	0.9	278	ShipXY
DE YUAN	Tug boat	15-DEC-2020 00:00:51	803054.1	814292.9	22.16583	113.96382	0.2	269	ShipXY
DE YUAN	Tug boat	15-DEC-2020 00:09:43	803043	814298.1	22.16573	113.96387	0.5	119	ShipXY
DE YUAN	Tug boat	15-DEC-2020 00:15:42	803030.8	814306.3	22.16562	113.96395	0.1	228	ShipXY
DE YUAN	Tug boat	15-DEC-2020 00:18:49	803034.1	814306.3	22.16565	113.96395	0.5	6	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	15-DEC-2020 00:24:48	803048.5	814301.2	22.16578	113.9639	0.3	333	ShipXY
DE YUAN	Tug boat	15-DEC-2020 00:27:39	803047.4	814303.2	22.16577	113.96392	0.4	81	ShipXY
DE YUAN	Tug boat	15-DEC-2020 00:33:49	803045.2	814308.4	22.16575	113.96397	0.4	75	ShipXY
DE YUAN	Tug boat	15-DEC-2020 00:51:42	803037.4	814326.9	22.16568	113.96415	0.8	246	ShipXY
DE YUAN	Tug boat	15-DEC-2020 00:57:42	803037.4	814332.1	22.16568	113.9642	0.3	74	ShipXY
DE YUAN	Tug boat	15-DEC-2020 01:03:43	803047.4	814340.4	22.16577	113.96428	0.9	54	ShipXY
DE YUAN	Tug boat	15-DEC-2020 01:06:41	803048.5	814342.4	22.16578	113.9643	0.4	64	ShipXY
DE YUAN	Tug boat	15-DEC-2020 01:12:55	803039.6	814344.5	22.1657	113.96432	0.2	341	ShipXY
DE YUAN	Tug boat	15-DEC-2020 01:18:42	803030.8	814339.3	22.16562	113.96427	0.5	204	ShipXY
DE YUAN	Tug boat	15-DEC-2020 01:30:42	803028.5	814339.3	22.1656	113.96427	0.2	180	ShipXY
DE YUAN	Tug boat	15-DEC-2020 01:36:49	803030.8	814334.1	22.16562	113.96422	0.4	24	ShipXY
DE YUAN	Tug boat	15-DEC-2020 01:45:47	803028.6	814329	22.1656	113.96417	0.5	46	ShipXY
DE YUAN	Tug boat	15-DEC-2020 01:57:42	803030.8	814324.9	22.16562	113.96413	0.1	80	ShipXY
DE YUAN	Tug boat	15-DEC-2020 02:09:40	803028.6	814321.8	22.1656	113.9641	0.7	46	ShipXY
DE YUAN	Tug boat	15-DEC-2020 02:18:41	803037.4	814311.5	22.16568	113.964	0.2	78	ShipXY
DE YUAN	Tug boat	15-DEC-2020 02:24:42	803037.4	814308.4	22.16568	113.96397	0.9	71	ShipXY
DE YUAN	Tug boat	15-DEC-2020 02:30:42	803043	814304.2	22.16573	113.96393	0.6	260	ShipXY
DE YUAN	Tug boat	15-DEC-2020 02:36:55	803039.7	814306.3	22.1657	113.96395	0.2	46	ShipXY
DE YUAN	Tug boat	15-DEC-2020 02:45:42	803045.2	814303.2	22.16575	113.96392	0.1	192	ShipXY
DE YUAN	Tug boat	15-DEC-2020 02:51:42	803048.5	814303.2	22.16578	113.96392	0.4	85	ShipXY
DE YUAN	Tug boat	15-DEC-2020 02:54:42	803048.5	814304.3	22.16578	113.96393	0.4	48	ShipXY
DE YUAN	Tug boat	15-DEC-2020 02:57:54	803050.7	814301.2	22.1658	113.9639	0.3	46	ShipXY
DE YUAN	Tug boat	15-DEC-2020 03:06:43	803048.5	814299.1	22.16578	113.96388	0.1	269	ShipXY
DE YUAN	Tug boat	15-DEC-2020 03:15:42	803041.9	814298.1	22.16572	113.96387	0.7	102	ShipXY
DE YUAN	Tug boat	15-DEC-2020 03:21:41	803039.7	814293.9	22.1657	113.96383	0.3	145	ShipXY
DE YUAN	Tug boat	15-DEC-2020 03:27:41	803039.7	814298.1	22.1657	113.96387	0.3	332	ShipXY
DE YUAN	Tug boat	15-DEC-2020 03:33:43	803045.2	814288.8	22.16575	113.96378	0.3	135	ShipXY
DE YUAN	Tug boat	15-DEC-2020 03:45:40	803045.2	814293.9	22.16575	113.96383	0.4	116	ShipXY
DE YUAN	Tug boat	15-DEC-2020 03:51:40	803039.7	814298.1	22.1657	113.96387	0.7	146	ShipXY
DE YUAN	Tug boat	15-DEC-2020 03:51:47	803039.7	814298.1	22.1657	113.96387	0.7	146	ShipXY
DE YUAN	Tug boat	15-DEC-2020 04:03:40	803050.8	814287.8	22.1658	113.96377	0.3	52	ShipXY
DE YUAN	Tug boat	15-DEC-2020 04:09:40	803045.2	814288.8	22.16575	113.96378	0.3	341	ShipXY
DE YUAN	Tug boat	15-DEC-2020 04:12:42	803050.8	814285.7	22.1658	113.96375	0.2	115	ShipXY
DE YUAN	Tug boat	15-DEC-2020 04:18:42	803045.2	814293.9	22.16575	113.96383	0.5	226	ShipXY
DE YUAN	Tug boat	15-DEC-2020 04:27:41	803045.2	814288.8	22.16575	113.96378	0.3	159	ShipXY
DE YUAN	Tug boat	15-DEC-2020 04:30:56	803045.2	814287.7	22.16575	113.96377	0.2	158	ShipXY
DE YUAN	Tug boat	15-DEC-2020 04:45:41	803036.4	814292.9	22.16567	113.96382	0.6	306	ShipXY
DE YUAN	Tug boat	15-DEC-2020 04:51:41	803034.1	814303.2	22.16565	113.96392	0.3	305	ShipXY
DE YUAN	Tug boat	15-DEC-2020 04:57:42	803031.9	814293.9	22.16563	113.96383	0	281	ShipXY
DE YUAN	Tug boat	15-DEC-2020 05:03:42	803036.4	814299.1	22.16567	113.96388	0.7	171	ShipXY
DE YUAN	Tug boat	15-DEC-2020 05:15:42	803031.9	814299.1	22.16563	113.96388	0	66	ShipXY
DE YUAN	Tug boat	15-DEC-2020 05:21:40	803030.8	814299.1	22.16562	113.96388	0.1	0	ShipXY
DE YUAN	Tug boat	15-DEC-2020 05:33:41	803026.4	814306.3	22.16558	113.96395	0.5	240	ShipXY
DE YUAN	Tug boat	15-DEC-2020 05:39:41	803028.6	814298	22.1656	113.96387	0.7	224	ShipXY
DE YUAN	Tug boat	15-DEC-2020 05:45:40	803028.6	814306.3	22.1656	113.96395	0.5	210	ShipXY
DE YUAN	Tug boat	15-DEC-2020 05:51:41	803028.6	814304.2	22.1656	113.96393	0.3	166	ShipXY
DE YUAN	Tug boat	15-DEC-2020 05:51:43	803028.6	814304.2	22.1656	113.96393	0.3	166	ShipXY
DE YUAN	Tug boat	15-DEC-2020 05:54:44	803025.3	814313.5	22.16557	113.96402	0.3	176	ShipXY
DE YUAN	Tug boat	15-DEC-2020 06:06:36	803030.8	814299.1	22.16562	113.96388	0.4	262	ShipXY
DE YUAN	Tug boat	15-DEC-2020 06:15:40	803037.5	814290.8	22.16568	113.9638	0.3	348	ShipXY
DE YUAN	Tug boat	15-DEC-2020 06:21:42	803034.1	814298	22.16565	113.96387	0.6	219	ShipXY
DE YUAN	Tug boat	15-DEC-2020 06:27:55	803041.9	814290.8	22.16572	113.9638	0	12	ShipXY
DE YUAN	Tug boat	15-DEC-2020 06:33:42	803039.7	814292.9	22.1657	113.96382	0.2	72	ShipXY
DE YUAN	Tug boat	15-DEC-2020 06:36:39	803047.4	814283.6	22.16577	113.96373	0.3	302	ShipXY
DE YUAN	Tug boat	15-DEC-2020 06:51:42	803064.1	814280.6	22.16592	113.9637	0	54	ShipXY
DE YUAN	Tug boat	15-DEC-2020 06:57:41	803067.4	814280.6	22.16595	113.9637	0.4	177	ShipXY
DE YUAN	Tug boat	15-DEC-2020 07:09:40	803053	814282.6	22.16582	113.96372	0.3	303	ShipXY
DE YUAN	Tug boat	15-DEC-2020 07:09:52	803053	814282.6	22.16582	113.96372	0.3	303	ShipXY
DE YUAN	Tug boat	15-DEC-2020 07:18:42	803054.1	814282.6	22.16583	113.96372	0.2	113	ShipXY
DE YUAN	Tug boat	15-DEC-2020 07:27:41	803054.1	814277.4	22.16583	113.96367	0.4	299	ShipXY
DE YUAN	Tug boat	15-DEC-2020 07:39:43	803050.8	814285.7	22.1658	113.96375	0.1	94	ShipXY
DE YUAN	Tug boat	15-DEC-2020 07:45:40	803050.8	814283.6	22.1658	113.96373	0.1	83	ShipXY
DE YUAN	Tug boat	15-DEC-2020 07:51:41	803053	814282.6	22.16582	113.96372	0.4	345	ShipXY
DE YUAN	Tug boat	15-DEC-2020 07:57:43	803058.5	814280.5	22.16587	113.9637	0.1	358	ShipXY
DE YUAN	Tug boat	15-DEC-2020 08:09:42	803061.8	814280.6	22.1659	113.9637	0.3	290	ShipXY
DE YUAN	Tug boat	15-DEC-2020 08:15:41	803054.1	814280.5	22.16583	113.9637	0.2	223	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	15-DEC-2020 08:21:41	803058.5	814280.5	22.16587	113.9637	0.3	239	ShipXY
DE YUAN	Tug boat	15-DEC-2020 08:24:44	803065.2	814280.6	22.16593	113.9637	0.3	78	ShipXY
DE YUAN	Tug boat	15-DEC-2020 08:33:41	803061.9	814277.5	22.1659	113.96367	0.4	158	ShipXY
DE YUAN	Tug boat	15-DEC-2020 08:45:41	803076.2	814278.5	22.16603	113.96368	0.3	55	ShipXY
DE YUAN	Tug boat	15-DEC-2020 08:45:44	803076.2	814278.5	22.16603	113.96368	0.3	55	ShipXY
DE YUAN	Tug boat	15-DEC-2020 08:57:41	803070.7	814280.6	22.16598	113.9637	0.3	157	ShipXY
DE YUAN	Tug boat	15-DEC-2020 09:03:46	803076.2	814280.6	22.16603	113.9637	0.3	194	ShipXY
DE YUAN	Tug boat	15-DEC-2020 09:09:54	803076.2	814277.5	22.16603	113.96367	0.4	130	ShipXY
DE YUAN	Tug boat	15-DEC-2020 09:21:50	803078.5	814278.5	22.16605	113.96368	0.2	325	ShipXY
DE YUAN	Tug boat	15-DEC-2020 09:27:43	803070.7	814280.6	22.16598	113.9637	0.1	131	ShipXY
DE YUAN	Tug boat	15-DEC-2020 09:30:41	803070.7	814278.5	22.16598	113.96368	0.3	296	ShipXY
DE YUAN	Tug boat	15-DEC-2020 09:39:41	803084	814282.6	22.1661	113.96372	0.3	5	ShipXY
DE YUAN	Tug boat	15-DEC-2020 09:39:54	803084	814282.6	22.1661	113.96372	0.3	5	ShipXY
DE YUAN	Tug boat	15-DEC-2020 09:51:43	803081.8	814278.5	22.16608	113.96368	0	193	ShipXY
DE YUAN	Tug boat	15-DEC-2020 09:54:42	803086.2	814278.5	22.16612	113.96368	0	133	ShipXY
DE YUAN	Tug boat	15-DEC-2020 10:00:50	803078.5	814277.5	22.16605	113.96367	0.1	28	ShipXY
DE YUAN	Tug boat	15-DEC-2020 10:06:42	803086.2	814275.4	22.16612	113.96365	0.4	55	ShipXY
DE YUAN	Tug boat	15-DEC-2020 10:09:43	803089.5	814282.7	22.16615	113.96372	0.2	59	ShipXY
DE YUAN	Tug boat	15-DEC-2020 10:18:41	803081.8	814277.5	22.16608	113.96367	0.3	117	ShipXY
DE YUAN	Tug boat	15-DEC-2020 10:24:41	803095.1	814275.4	22.1662	113.96365	0.1	118	ShipXY
DE YUAN	Tug boat	15-DEC-2020 10:30:42	803089.5	814275.4	22.16615	113.96365	0.3	51	ShipXY
DE YUAN	Tug boat	15-DEC-2020 10:39:41	803092.9	814280.6	22.16618	113.9637	0.4	341	ShipXY
DE YUAN	Tug boat	15-DEC-2020 10:45:41	803091.7	814280.6	22.16617	113.9637	0.3	120	ShipXY
DE YUAN	Tug boat	15-DEC-2020 10:51:41	803097.3	814278.5	22.16622	113.96368	0.6	89	ShipXY
DE YUAN	Tug boat	15-DEC-2020 10:57:40	803102.8	814278.5	22.16627	113.96368	0.3	58	ShipXY
DE YUAN	Tug boat	15-DEC-2020 11:03:41	803097.3	814282.7	22.16622	113.96372	0.3	38	ShipXY
DE YUAN	Tug boat	15-DEC-2020 11:09:40	803091.7	814282.7	22.16617	113.96372	0.6	335	ShipXY
DE YUAN	Tug boat	15-DEC-2020 11:15:40	803091.7	814285.8	22.16617	113.96375	0.8	228	ShipXY
DE YUAN	Tug boat	15-DEC-2020 11:21:41	803097.3	814280.6	22.16622	113.9637	0.5	211	ShipXY
DE YUAN	Tug boat	15-DEC-2020 11:27:43	803080.7	814280.6	22.16607	113.9637	0.4	168	ShipXY
DE YUAN	Tug boat	15-DEC-2020 11:30:42	803070.7	814287.8	22.16598	113.96377	0.3	144	ShipXY
DE YUAN	Tug boat	15-DEC-2020 11:39:40	803070.7	814282.6	22.16598	113.96372	0.5	222	ShipXY
DE YUAN	Tug boat	15-DEC-2020 11:42:41	803080.7	814273.4	22.16607	113.96363	0.3	3	ShipXY
DE YUAN	Tug boat	15-DEC-2020 11:45:47	803084	814278.5	22.1661	113.96368	0.2	61	ShipXY
DE YUAN	Tug boat	15-DEC-2020 11:57:41	803084	814273.4	22.1661	113.96363	0.5	106	ShipXY
DE YUAN	Tug boat	15-DEC-2020 12:03:40	803072.9	814275.4	22.166	113.96365	0.3	106	ShipXY
DE YUAN	Tug boat	15-DEC-2020 12:09:42	803065.2	814273.3	22.16593	113.96363	0.1	133	ShipXY
DE YUAN	Tug boat	15-DEC-2020 12:18:41	803053	814280.5	22.16582	113.9637	0.7	32	ShipXY
DE YUAN	Tug boat	15-DEC-2020 12:27:41	803059.6	814277.5	22.16588	113.96367	0.5	106	ShipXY
DE YUAN	Tug boat	15-DEC-2020 12:27:43	803059.6	814277.5	22.16588	113.96367	0.5	106	ShipXY
DE YUAN	Tug boat	15-DEC-2020 12:42:40	803067.4	814277.5	22.16595	113.96367	0.6	81	ShipXY
DE YUAN	Tug boat	15-DEC-2020 12:48:42	803069.6	814278.5	22.16597	113.96368	0.2	187	ShipXY
DE YUAN	Tug boat	15-DEC-2020 12:57:40	803056.3	814283.6	22.16585	113.96373	0.6	242	ShipXY
DE YUAN	Tug boat	15-DEC-2020 13:03:56	803059.6	814280.5	22.16588	113.9637	0.2	102	ShipXY
DE YUAN	Tug boat	15-DEC-2020 13:09:40	803053	814283.6	22.16582	113.96373	0.3	347	ShipXY
DE YUAN	Tug boat	15-DEC-2020 13:09:43	803053	814283.6	22.16582	113.96373	0.3	347	ShipXY
DE YUAN	Tug boat	15-DEC-2020 13:21:40	803047.4	814287.8	22.16577	113.96377	0.3	162	ShipXY
DE YUAN	Tug boat	15-DEC-2020 13:24:51	803047.4	814293.9	22.16577	113.96383	0.5	15	ShipXY
DE YUAN	Tug boat	15-DEC-2020 13:30:41	803053	814283.6	22.16582	113.96373	0.3	18	ShipXY
DE YUAN	Tug boat	15-DEC-2020 13:39:41	803058.5	814282.6	22.16587	113.96372	0.6	214	ShipXY
DE YUAN	Tug boat	15-DEC-2020 13:42:42	803058.5	814283.6	22.16587	113.96373	0.4	31	ShipXY
DE YUAN	Tug boat	15-DEC-2020 13:51:51	803043	814292.9	22.16573	113.96382	0.7	163	ShipXY
DE YUAN	Tug boat	15-DEC-2020 13:54:41	803039.7	814293.9	22.1657	113.96383	0.3	127	ShipXY
DE YUAN	Tug boat	15-DEC-2020 14:03:41	803053	814282.6	22.16582	113.96372	0.3	43	ShipXY
DE YUAN	Tug boat	15-DEC-2020 14:09:41	803059.6	814277.5	22.16588	113.96367	0.5	300	ShipXY
DE YUAN	Tug boat	15-DEC-2020 14:15:41	803059.6	814282.6	22.16588	113.96372	0.5	161	ShipXY
DE YUAN	Tug boat	15-DEC-2020 14:24:40	803054.1	814280.5	22.16583	113.9637	0.5	198	ShipXY
DE YUAN	Tug boat	15-DEC-2020 14:27:41	803050.8	814287.8	22.1658	113.96377	0.3	218	ShipXY
DE YUAN	Tug boat	15-DEC-2020 14:39:46	803064.1	814278.5	22.16592	113.96368	0.6	354	ShipXY
DE YUAN	Tug boat	15-DEC-2020 14:42:41	803067.4	814280.6	22.16595	113.9637	0.7	322	ShipXY
DE YUAN	Tug boat	15-DEC-2020 14:48:40	803072.9	814280.6	22.166	113.9637	0.5	263	ShipXY
DE YUAN	Tug boat	15-DEC-2020 14:54:41	803075.1	814280.6	22.16602	113.9637	0.3	336	ShipXY
DE YUAN	Tug boat	15-DEC-2020 15:03:41	803072.9	814280.6	22.166	113.9637	0.3	300	ShipXY
DE YUAN	Tug boat	15-DEC-2020 15:09:41	803076.2	814282.6	22.16603	113.96372	0.3	257	ShipXY
DE YUAN	Tug boat	15-DEC-2020 15:15:49	803080.7	814282.6	22.16607	113.96372	0.8	12	ShipXY
DE YUAN	Tug boat	15-DEC-2020 15:18:51	803084	814285.7	22.1661	113.96375	0.3	81	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	15-DEC-2020 15:33:40	803091.7	814283.7	22.16617	113.96373	0.3	332	ShipXY
DE YUAN	Tug boat	15-DEC-2020 15:36:41	803091.7	814285.8	22.16617	113.96375	0.4	166	ShipXY
DE YUAN	Tug boat	15-DEC-2020 15:45:41	803087.3	814285.7	22.16613	113.96375	0.6	195	ShipXY
DE YUAN	Tug boat	15-DEC-2020 15:51:40	803092.8	814282.7	22.16618	113.96372	0.3	335	ShipXY
DE YUAN	Tug boat	15-DEC-2020 15:57:40	803095.1	814280.6	22.1662	113.9637	0.9	199	ShipXY
DE YUAN	Tug boat	15-DEC-2020 16:00:41	803098.4	814285.8	22.16623	113.96375	0.6	264	ShipXY
DE YUAN	Tug boat	15-DEC-2020 16:09:41	803100.6	814283.7	22.16625	113.96373	0.5	222	ShipXY
DE YUAN	Tug boat	15-DEC-2020 16:12:41	803098.4	814282.7	22.16623	113.96372	0.3	222	ShipXY
DE YUAN	Tug boat	15-DEC-2020 16:21:40	803097.3	814282.7	22.16622	113.96372	0.6	29	ShipXY
DE YUAN	Tug boat	15-DEC-2020 16:27:47	803098.4	814285.8	22.16623	113.96375	0.3	18	ShipXY
DE YUAN	Tug boat	15-DEC-2020 16:33:41	803100.6	814288.9	22.16625	113.96378	0.5	340	ShipXY
DE YUAN	Tug boat	15-DEC-2020 16:39:40	803098.4	814282.7	22.16623	113.96372	0.5	11	ShipXY
DE YUAN	Tug boat	15-DEC-2020 16:45:40	803098.4	814283.7	22.16623	113.96373	0.3	135	ShipXY
DE YUAN	Tug boat	15-DEC-2020 16:51:55	803102.8	814283.7	22.16627	113.96373	0.2	232	ShipXY
DE YUAN	Tug boat	15-DEC-2020 16:57:40	803100.6	814288.9	22.16625	113.96378	0.9	232	ShipXY
DE YUAN	Tug boat	15-DEC-2020 17:03:40	803106.1	814283.7	22.1663	113.96373	0.4	41	ShipXY
DE YUAN	Tug boat	15-DEC-2020 17:09:41	803102.8	814283.7	22.16627	113.96373	0.6	109	ShipXY
DE YUAN	Tug boat	15-DEC-2020 17:15:41	803102.8	814283.7	22.16627	113.96373	0.5	171	ShipXY
DE YUAN	Tug boat	15-DEC-2020 17:18:44	803103.9	814285.8	22.16628	113.96375	0.3	192	ShipXY
DE YUAN	Tug boat	15-DEC-2020 17:27:43	803100.6	814283.7	22.16625	113.96373	0.2	138	ShipXY
DE YUAN	Tug boat	15-DEC-2020 17:33:40	803092.8	814282.7	22.16618	113.96372	0.7	43	ShipXY
DE YUAN	Tug boat	15-DEC-2020 17:39:43	803098.4	814282.7	22.16623	113.96372	0.4	202	ShipXY
DE YUAN	Tug boat	15-DEC-2020 17:42:51	803097.3	814282.7	22.16622	113.96372	0.4	353	ShipXY
DE YUAN	Tug boat	15-DEC-2020 17:45:45	803092.8	814282.7	22.16618	113.96372	0.3	283	ShipXY
DE YUAN	Tug boat	15-DEC-2020 17:54:48	803095.1	814280.6	22.1662	113.9637	0.6	39	ShipXY
DE YUAN	Tug boat	15-DEC-2020 18:03:41	803089.5	814282.7	22.16615	113.96372	0.3	305	ShipXY
DE YUAN	Tug boat	15-DEC-2020 18:06:52	803086.2	814278.5	22.16612	113.96368	0.3	213	ShipXY
DE YUAN	Tug boat	15-DEC-2020 18:21:44	803087.3	814278.5	22.16613	113.96368	0.6	332	ShipXY
DE YUAN	Tug boat	15-DEC-2020 18:27:53	803084	814278.5	22.1661	113.96368	0.6	123	ShipXY
DE YUAN	Tug boat	15-DEC-2020 18:39:41	803081.8	814280.6	22.16608	113.9637	0.6	350	ShipXY
DE YUAN	Tug boat	15-DEC-2020 18:42:41	803075.1	814282.6	22.16602	113.96372	0.3	17	ShipXY
DE YUAN	Tug boat	15-DEC-2020 18:51:40	803076.2	814280.6	22.16603	113.9637	0.6	172	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:03:51	803069.6	814278.5	22.16597	113.96368	0.3	344	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:09:51	803072.9	814278.5	22.166	113.96368	0.3	155	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:15:41	803075.1	814277.5	22.16602	113.96367	0.3	341	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:18:51	803070.7	814278.5	22.16598	113.96368	0.4	294	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:27:53	803070.7	814277.5	22.16598	113.96367	0.2	288	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:33:41	803075.1	814277.5	22.16602	113.96367	0.5	229	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:39:41	803072.9	814278.5	22.166	113.96368	0.3	32	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:42:51	803072.9	814275.4	22.166	113.96365	0	206	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:51:40	803065.2	814280.6	22.16593	113.9637	0.3	192	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:51:52	803065.2	814280.6	22.16593	113.9637	0.3	192	ShipXY
DE YUAN	Tug boat	15-DEC-2020 19:57:58	803061.8	814283.6	22.1659	113.96373	0.1	153	ShipXY
DE YUAN	Tug boat	15-DEC-2020 20:09:41	803075.1	814280.6	22.16602	113.9637	0.4	82	ShipXY
DE YUAN	Tug boat	15-DEC-2020 20:15:54	803065.2	814280.6	22.16593	113.9637	0.7	187	ShipXY
DE YUAN	Tug boat	15-DEC-2020 20:27:56	803069.6	814283.7	22.16597	113.96373	0.7	220	ShipXY
DE YUAN	Tug boat	15-DEC-2020 20:30:48	803065.2	814285.7	22.16593	113.96375	0.2	20	ShipXY
DE YUAN	Tug boat	15-DEC-2020 20:39:40	803069.6	814282.6	22.16597	113.96372	0.3	178	ShipXY
DE YUAN	Tug boat	15-DEC-2020 20:54:41	803065.2	814285.7	22.16593	113.96375	0.1	309	ShipXY
DE YUAN	Tug boat	15-DEC-2020 21:09:52	803070.7	814285.7	22.16598	113.96375	0	152	ShipXY
DE YUAN	Tug boat	15-DEC-2020 21:12:41	803070.7	814282.6	22.16598	113.96372	0.3	209	ShipXY
DE YUAN	Tug boat	15-DEC-2020 21:21:40	803072.9	814283.7	22.166	113.96373	0.4	189	ShipXY
DE YUAN	Tug boat	15-DEC-2020 21:27:52	803065.2	814290.9	22.16593	113.9638	0.1	269	ShipXY
DE YUAN	Tug boat	15-DEC-2020 21:39:40	803069.6	814290.9	22.16597	113.9638	0.1	358	ShipXY
DE YUAN	Tug boat	15-DEC-2020 21:42:53	803065.1	814296	22.16593	113.96385	0.2	71	ShipXY
DE YUAN	Tug boat	15-DEC-2020 21:48:44	803067.4	814282.6	22.16595	113.96372	0.8	190	ShipXY
DE YUAN	Tug boat	15-DEC-2020 22:00:56	803064.1	814285.7	22.16592	113.96375	0.6	171	ShipXY
DE YUAN	Tug boat	15-DEC-2020 22:06:51	803061.8	814287.8	22.1659	113.96377	0.1	301	ShipXY
DE YUAN	Tug boat	15-DEC-2020 22:15:46	803056.3	814294	22.16585	113.96383	0.4	16	ShipXY
DE YUAN	Tug boat	15-DEC-2020 22:15:53	803056.3	814294	22.16585	113.96383	0.4	16	ShipXY
DE YUAN	Tug boat	15-DEC-2020 22:27:58	803050.8	814293.9	22.1658	113.96383	0.5	159	ShipXY
DE YUAN	Tug boat	15-DEC-2020 22:36:45	803048.5	814296	22.16578	113.96385	0.2	159	ShipXY
DE YUAN	Tug boat	15-DEC-2020 22:42:41	803048.5	814298.1	22.16578	113.96387	0.3	318	ShipXY
DE YUAN	Tug boat	15-DEC-2020 22:51:52	803050.8	814292.9	22.1658	113.96382	0.4	149	ShipXY
DE YUAN	Tug boat	15-DEC-2020 22:54:41	803053	814293.9	22.16582	113.96383	0.3	200	ShipXY
DE YUAN	Tug boat	15-DEC-2020 23:03:41	803047.4	814303.2	22.16577	113.96392	0.6	159	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	15-DEC-2020 23:09:40	803041.9	814304.2	22.16572	113.96393	0.4	317	ShipXY
DE YUAN	Tug boat	15-DEC-2020 23:15:41	803045.2	814293.9	22.16575	113.96383	0.8	120	ShipXY
DE YUAN	Tug boat	15-DEC-2020 23:21:53	803047.4	814292.9	22.16577	113.96382	1	295	ShipXY
DE YUAN	Tug boat	15-DEC-2020 23:27:42	803048.5	814292.9	22.16578	113.96382	0.4	293	ShipXY
DE YUAN	Tug boat	15-DEC-2020 23:27:53	803048.5	814292.9	22.16578	113.96382	0.4	293	ShipXY
DE YUAN	Tug boat	15-DEC-2020 23:36:53	803036.3	814308.4	22.16567	113.96397	0.2	136	ShipXY
DE YUAN	Tug boat	15-DEC-2020 23:45:43	803045.2	814303.2	22.16575	113.96392	0.3	249	ShipXY
DE YUAN	Tug boat	15-DEC-2020 23:51:44	803053	814301.2	22.16582	113.9639	0.8	96	ShipXY
DE YUAN	Tug boat	15-DEC-2020 23:57:41	803045.2	814306.3	22.16575	113.96395	0.5	93	ShipXY
DE YUAN	Tug boat	16-DEC-2020 00:03:47	803039.7	814316.6	22.1657	113.96405	0.2	65	ShipXY
DE YUAN	Tug boat	16-DEC-2020 00:09:43	803037.4	814332.1	22.16568	113.9642	0.5	84	ShipXY
DE YUAN	Tug boat	16-DEC-2020 00:15:41	803047.4	814330	22.16577	113.96418	0.5	225	ShipXY
DE YUAN	Tug boat	16-DEC-2020 00:21:47	803048.5	814337.3	22.16578	113.96425	0.6	53	ShipXY
DE YUAN	Tug boat	16-DEC-2020 00:27:43	803045.1	814344.5	22.16575	113.96432	0.3	21	ShipXY
DE YUAN	Tug boat	16-DEC-2020 00:33:43	803048.5	814345.5	22.16578	113.96433	0.2	205	ShipXY
DE YUAN	Tug boat	16-DEC-2020 00:39:44	803058.4	814352.7	22.16587	113.9644	0.4	213	ShipXY
DE YUAN	Tug boat	16-DEC-2020 00:45:52	803056.2	814360	22.16585	113.96447	0.2	311	ShipXY
DE YUAN	Tug boat	16-DEC-2020 00:51:40	803056.2	814361	22.16585	113.96448	0.6	17	ShipXY
DE YUAN	Tug boat	16-DEC-2020 00:51:50	803056.2	814361	22.16585	113.96448	0.6	17	ShipXY
DE YUAN	Tug boat	16-DEC-2020 01:09:41	803058.4	814363.1	22.16587	113.9645	0.5	233	ShipXY
DE YUAN	Tug boat	16-DEC-2020 01:15:44	803058.4	814363.1	22.16587	113.9645	0.2	35	ShipXY
DE YUAN	Tug boat	16-DEC-2020 01:21:41	803058.4	814365.1	22.16587	113.96452	0.7	41	ShipXY
DE YUAN	Tug boat	16-DEC-2020 01:27:43	803058.4	814366.2	22.16587	113.96453	0	28	ShipXY
DE YUAN	Tug boat	16-DEC-2020 01:27:45	803058.4	814366.2	22.16587	113.96453	0	28	ShipXY
DE YUAN	Tug boat	16-DEC-2020 01:36:44	803050.7	814368.2	22.1658	113.96455	0.2	38	ShipXY
DE YUAN	Tug boat	16-DEC-2020 01:42:44	803048.4	814363	22.16578	113.9645	0.7	52	ShipXY
DE YUAN	Tug boat	16-DEC-2020 01:45:53	803045.1	814366.1	22.16575	113.96453	0.2	231	ShipXY
DE YUAN	Tug boat	16-DEC-2020 01:57:48	803042.9	814366.1	22.16573	113.96453	0.3	10	ShipXY
DE YUAN	Tug boat	16-DEC-2020 02:03:44	803042.9	814363	22.16573	113.9645	0	233	ShipXY
DE YUAN	Tug boat	16-DEC-2020 02:09:41	803047.3	814361	22.16577	113.96448	0.6	202	ShipXY
DE YUAN	Tug boat	16-DEC-2020 02:15:44	803042.9	814365.1	22.16573	113.96452	0.2	41	ShipXY
DE YUAN	Tug boat	16-DEC-2020 02:21:44	803039.6	814355.8	22.1657	113.96443	0.7	49	ShipXY
DE YUAN	Tug boat	16-DEC-2020 02:27:48	803039.6	814359.9	22.1657	113.96447	0.1	219	ShipXY
DE YUAN	Tug boat	16-DEC-2020 02:33:44	803042.9	814355.8	22.16573	113.96443	1	221	ShipXY
DE YUAN	Tug boat	16-DEC-2020 02:39:40	803039.6	814357.9	22.1657	113.96445	0.3	347	ShipXY
DE YUAN	Tug boat	16-DEC-2020 02:45:44	803039.6	814361	22.1657	113.96448	0.3	262	ShipXY
DE YUAN	Tug boat	16-DEC-2020 02:51:44	803050.7	814360	22.1658	113.96447	0.3	268	ShipXY
DE YUAN	Tug boat	16-DEC-2020 02:57:47	803056.2	814360	22.16585	113.96447	0.1	79	ShipXY
DE YUAN	Tug boat	16-DEC-2020 03:00:44	803054	814360	22.16583	113.96447	0.6	58	ShipXY
DE YUAN	Tug boat	16-DEC-2020 03:09:51	803039.6	814349.6	22.1657	113.96437	0	99	ShipXY
DE YUAN	Tug boat	16-DEC-2020 03:12:47	803031.8	814352.7	22.16563	113.9644	1	45	ShipXY
DE YUAN	Tug boat	16-DEC-2020 03:21:48	803045.1	814354.8	22.16575	113.96442	0.2	253	ShipXY
DE YUAN	Tug boat	16-DEC-2020 03:27:40	803041.8	814350.7	22.16572	113.96438	0.5	98	ShipXY
DE YUAN	Tug boat	16-DEC-2020 03:33:41	803042.9	814355.8	22.16573	113.96443	1	67	ShipXY
DE YUAN	Tug boat	16-DEC-2020 03:39:44	803025.2	814344.4	22.16557	113.96432	0.5	248	ShipXY
DE YUAN	Tug boat	16-DEC-2020 03:45:44	803030.8	814345.5	22.16562	113.96433	0.9	88	ShipXY
DE YUAN	Tug boat	16-DEC-2020 03:51:48	803047.3	814360	22.16577	113.96447	0.3	61	ShipXY
DE YUAN	Tug boat	16-DEC-2020 03:57:41	803052.9	814357.9	22.16582	113.96445	0.3	105	ShipXY
DE YUAN	Tug boat	16-DEC-2020 04:03:41	803037.4	814355.8	22.16568	113.96443	0.3	82	ShipXY
DE YUAN	Tug boat	16-DEC-2020 04:09:44	803037.4	814352.7	22.16568	113.9644	0.5	75	ShipXY
DE YUAN	Tug boat	16-DEC-2020 04:15:43	803037.4	814350.7	22.16568	113.96438	0.7	276	ShipXY
DE YUAN	Tug boat	16-DEC-2020 04:21:47	803037.4	814340.3	22.16568	113.96428	0.6	256	ShipXY
DE YUAN	Tug boat	16-DEC-2020 04:27:44	803030.8	814326.9	22.16562	113.96415	0.5	294	ShipXY
DE YUAN	Tug boat	16-DEC-2020 04:33:41	803031.9	814324.9	22.16563	113.96413	0.7	301	ShipXY
DE YUAN	Tug boat	16-DEC-2020 04:39:41	803028.6	814309.4	22.1656	113.96398	0.6	285	ShipXY
DE YUAN	Tug boat	16-DEC-2020 04:45:40	803039.7	814299.1	22.1657	113.96388	0.6	150	ShipXY
DE YUAN	Tug boat	16-DEC-2020 04:51:45	803047.4	814293.9	22.16577	113.96383	0.2	66	ShipXY
DE YUAN	Tug boat	16-DEC-2020 04:57:40	803031.9	814304.2	22.16563	113.96393	0.6	159	ShipXY
DE YUAN	Tug boat	16-DEC-2020 05:03:41	803039.7	814290.8	22.1657	113.9638	0.4	152	ShipXY
DE YUAN	Tug boat	16-DEC-2020 05:06:49	803041.9	814292.9	22.16572	113.96382	0.3	19	ShipXY
DE YUAN	Tug boat	16-DEC-2020 05:12:40	803043	814292.9	22.16573	113.96382	0.3	3	ShipXY
DE YUAN	Tug boat	16-DEC-2020 05:21:41	803047.4	814285.7	22.16577	113.96375	0.3	325	ShipXY
DE YUAN	Tug boat	16-DEC-2020 05:27:45	803045.2	814288.8	22.16575	113.96378	0	83	ShipXY
DE YUAN	Tug boat	16-DEC-2020 05:33:41	803050.8	814280.5	22.1658	113.9637	0.4	105	ShipXY
DE YUAN	Tug boat	16-DEC-2020 05:39:40	803048.5	814293.9	22.16578	113.96383	0.4	8	ShipXY
DE YUAN	Tug boat	16-DEC-2020 05:45:47	803043	814292.9	22.16573	113.96382	0.6	309	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	16-DEC-2020 05:51:53	803045.2	814288.8	22.16575	113.96378	0.2	101	ShipXY
DE YUAN	Tug boat	16-DEC-2020 05:54:41	803043	814290.8	22.16573	113.9638	0.3	186	ShipXY
DE YUAN	Tug boat	16-DEC-2020 06:00:41	803056.3	814287.8	22.16585	113.96377	0.4	159	ShipXY
DE YUAN	Tug boat	16-DEC-2020 06:06:50	803053	814280.5	22.16582	113.9637	0.1	114	ShipXY
DE YUAN	Tug boat	16-DEC-2020 06:15:41	803058.5	814282.6	22.16587	113.96372	1.1	149	ShipXY
DE YUAN	Tug boat	16-DEC-2020 06:18:49	803058.5	814280.5	22.16587	113.9637	0.4	322	ShipXY
DE YUAN	Tug boat	16-DEC-2020 06:24:40	803065.2	814277.5	22.16593	113.96367	0.4	74	ShipXY
DE YUAN	Tug boat	16-DEC-2020 06:33:40	803072.9	814277.5	22.166	113.96367	0.6	152	ShipXY
DE YUAN	Tug boat	16-DEC-2020 06:36:41	803070.7	814282.6	22.16598	113.96372	0.3	350	ShipXY
DE YUAN	Tug boat	16-DEC-2020 06:45:40	803076.2	814280.6	22.16603	113.9637	0.5	220	ShipXY
DE YUAN	Tug boat	16-DEC-2020 06:51:44	803080.7	814277.5	22.16607	113.96367	0.5	21	ShipXY
DE YUAN	Tug boat	16-DEC-2020 06:57:52	803075.1	814277.5	22.16602	113.96367	0.2	37	ShipXY
DE YUAN	Tug boat	16-DEC-2020 07:03:41	803089.5	814280.6	22.16615	113.9637	0.3	35	ShipXY
DE YUAN	Tug boat	16-DEC-2020 07:06:40	803080.7	814277.5	22.16607	113.96367	0.5	329	ShipXY
DE YUAN	Tug boat	16-DEC-2020 07:12:40	803081.8	814275.4	22.16608	113.96365	0.5	4	ShipXY
DE YUAN	Tug boat	16-DEC-2020 07:18:41	803091.7	814280.6	22.16617	113.9637	0.8	327	ShipXY
DE YUAN	Tug boat	16-DEC-2020 07:27:45	803091.7	814280.6	22.16617	113.9637	0.5	68	ShipXY
DE YUAN	Tug boat	16-DEC-2020 07:39:41	803084	814278.5	22.1661	113.96368	0.4	37	ShipXY
DE YUAN	Tug boat	16-DEC-2020 07:45:41	803086.2	814278.5	22.16612	113.96368	0.3	118	ShipXY
DE YUAN	Tug boat	16-DEC-2020 07:48:40	803080.7	814277.5	22.16607	113.96367	0.3	193	ShipXY
DE YUAN	Tug boat	16-DEC-2020 07:57:45	803080.7	814280.6	22.16607	113.9637	0.1	285	ShipXY
DE YUAN	Tug boat	16-DEC-2020 08:00:47	803086.2	814280.6	22.16612	113.9637	0.8	359	ShipXY
DE YUAN	Tug boat	16-DEC-2020 08:09:41	803080.7	814282.6	22.16607	113.96372	0.3	210	ShipXY
DE YUAN	Tug boat	16-DEC-2020 08:15:45	803078.5	814280.6	22.16605	113.9637	0.4	181	ShipXY
DE YUAN	Tug boat	16-DEC-2020 08:27:46	803091.7	814280.6	22.16617	113.9637	1	6	ShipXY
DE YUAN	Tug boat	16-DEC-2020 08:33:41	803087.3	814277.5	22.16613	113.96367	0.6	196	ShipXY
DE YUAN	Tug boat	16-DEC-2020 08:36:53	803087.3	814280.6	22.16613	113.9637	0.6	331	ShipXY
DE YUAN	Tug boat	16-DEC-2020 08:42:40	803089.5	814283.7	22.16615	113.96373	0.6	169	ShipXY
DE YUAN	Tug boat	16-DEC-2020 08:48:41	803087.3	814282.7	22.16613	113.96372	0.9	13	ShipXY
DE YUAN	Tug boat	16-DEC-2020 08:57:49	803087.3	814278.5	22.16613	113.96368	0.6	30	ShipXY
DE YUAN	Tug boat	16-DEC-2020 09:03:40	803081.8	814275.4	22.16608	113.96365	0.7	8	ShipXY
DE YUAN	Tug boat	16-DEC-2020 09:09:41	803081.8	814277.5	22.16608	113.96367	0.6	343	ShipXY
DE YUAN	Tug boat	16-DEC-2020 09:15:40	803098.4	814283.7	22.16623	113.96373	0.6	177	ShipXY
DE YUAN	Tug boat	16-DEC-2020 09:18:59	803089.5	814280.6	22.16615	113.9637	0.5	78	ShipXY
DE YUAN	Tug boat	16-DEC-2020 09:24:46	803091.7	814283.7	22.16617	113.96373	0.5	199	ShipXY
DE YUAN	Tug boat	16-DEC-2020 09:30:55	803095.1	814283.7	22.1662	113.96373	0.5	0	ShipXY
DE YUAN	Tug boat	16-DEC-2020 09:39:40	803091.7	814283.7	22.16617	113.96373	0.3	326	ShipXY
DE YUAN	Tug boat	16-DEC-2020 09:42:45	803087.3	814280.6	22.16613	113.9637	0.1	83	ShipXY
DE YUAN	Tug boat	16-DEC-2020 09:51:41	803084	814280.6	22.1661	113.9637	0.3	114	ShipXY
DE YUAN	Tug boat	16-DEC-2020 09:54:50	803087.3	814280.6	22.16613	113.9637	0.3	197	ShipXY
DE YUAN	Tug boat	16-DEC-2020 10:00:48	803089.5	814285.7	22.16615	113.96375	0.1	152	ShipXY
DE YUAN	Tug boat	16-DEC-2020 10:09:42	803098.4	814287.8	22.16623	113.96377	0.6	162	ShipXY
DE YUAN	Tug boat	16-DEC-2020 10:15:40	803098.4	814285.8	22.16623	113.96375	0.5	167	ShipXY
DE YUAN	Tug boat	16-DEC-2020 10:21:41	803089.5	814280.6	22.16615	113.9637	0.5	161	ShipXY
DE YUAN	Tug boat	16-DEC-2020 10:24:44	803084	814277.5	22.1661	113.96367	0.6	208	ShipXY
DE YUAN	Tug boat	16-DEC-2020 10:33:41	803089.5	814282.7	22.16615	113.96372	0.5	358	ShipXY
DE YUAN	Tug boat	16-DEC-2020 10:36:40	803089.5	814282.7	22.16615	113.96372	0.3	11	ShipXY
DE YUAN	Tug boat	16-DEC-2020 10:42:47	803081.8	814278.5	22.16608	113.96368	0.1	272	ShipXY
DE YUAN	Tug boat	16-DEC-2020 10:51:41	803080.7	814278.5	22.16607	113.96368	0.1	156	ShipXY
DE YUAN	Tug boat	16-DEC-2020 10:57:41	803084	814283.7	22.1661	113.96373	0.5	175	ShipXY
DE YUAN	Tug boat	16-DEC-2020 11:03:44	803087.3	814287.8	22.16613	113.96377	0.4	340	ShipXY
DE YUAN	Tug boat	16-DEC-2020 11:09:41	803092.9	814280.6	22.16618	113.9637	0.4	253	ShipXY
DE YUAN	Tug boat	16-DEC-2020 11:15:52	803092.8	814285.8	22.16618	113.96375	0.4	14	ShipXY
DE YUAN	Tug boat	16-DEC-2020 11:21:40	803091.7	814285.8	22.16617	113.96375	1	11	ShipXY
DE YUAN	Tug boat	16-DEC-2020 11:27:52	803095.1	814280.6	22.1662	113.9637	0.5	343	ShipXY
DE YUAN	Tug boat	16-DEC-2020 11:33:41	803097.3	814283.7	22.16622	113.96373	0.6	4	ShipXY
DE YUAN	Tug boat	16-DEC-2020 11:36:40	803091.7	814280.6	22.16617	113.9637	0.3	148	ShipXY
DE YUAN	Tug boat	16-DEC-2020 11:42:48	803080.7	814283.7	22.16607	113.96373	0.5	209	ShipXY
DE YUAN	Tug boat	16-DEC-2020 11:51:41	803084	814285.7	22.1661	113.96375	0.4	78	ShipXY
DE YUAN	Tug boat	16-DEC-2020 11:57:41	803084	814280.6	22.1661	113.9637	0.3	37	ShipXY
DE YUAN	Tug boat	16-DEC-2020 12:00:42	803081.8	814280.6	22.16608	113.9637	0.3	143	ShipXY
DE YUAN	Tug boat	16-DEC-2020 12:06:41	803069.6	814282.6	22.16597	113.96372	0.9	350	ShipXY
DE YUAN	Tug boat	16-DEC-2020 12:12:41	803080.7	814278.5	22.16607	113.96368	0.5	197	ShipXY
DE YUAN	Tug boat	16-DEC-2020 12:21:40	803067.4	814283.7	22.16595	113.96373	0.7	170	ShipXY
DE YUAN	Tug boat	16-DEC-2020 12:33:41	803080.7	814280.6	22.16607	113.9637	0.3	162	ShipXY
DE YUAN	Tug boat	16-DEC-2020 12:39:40	803080.7	814278.5	22.16607	113.96368	0.8	185	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	16-DEC-2020 12:45:41	803067.4	814288.8	22.16595	113.96378	0.4	46	ShipXY
DE YUAN	Tug boat	16-DEC-2020 12:51:41	803070.7	814283.7	22.16598	113.96373	0.4	149	ShipXY
DE YUAN	Tug boat	16-DEC-2020 12:54:41	803075.1	814282.6	22.16602	113.96372	0.3	11	ShipXY
DE YUAN	Tug boat	16-DEC-2020 12:54:52	803075.1	814282.6	22.16602	113.96372	0.3	11	ShipXY
DE YUAN	Tug boat	16-DEC-2020 13:10:00	803065.2	814283.7	22.16593	113.96373	0.2	201	ShipXY
DE YUAN	Tug boat	16-DEC-2020 13:12:46	803061.8	814287.8	22.1659	113.96377	0.8	153	ShipXY
DE YUAN	Tug boat	16-DEC-2020 13:21:40	803050.8	814296	22.1658	113.96385	0.6	156	ShipXY
DE YUAN	Tug boat	16-DEC-2020 13:27:51	803041.9	814306.3	22.16572	113.96395	0.3	41	ShipXY
DE YUAN	Tug boat	16-DEC-2020 13:30:40	803041.9	814313.5	22.16572	113.96402	0.4	358	ShipXY
DE YUAN	Tug boat	16-DEC-2020 13:39:49	803034.1	814332.1	22.16565	113.9642	0.6	94	ShipXY
DE YUAN	Tug boat	16-DEC-2020 13:45:49	803034.1	814344.5	22.16565	113.96432	1.5	103	ShipXY
DE YUAN	Tug boat	16-DEC-2020 13:51:58	803034.1	814359.9	22.16565	113.96447	0.2	344	ShipXY
DE YUAN	Tug boat	16-DEC-2020 13:57:46	803026.3	814326.9	22.16558	113.96415	0.8	48	ShipXY
DE YUAN	Tug boat	16-DEC-2020 14:03:56	803020.8	814318.7	22.16553	113.96407	0	288	ShipXY
DE YUAN	Tug boat	16-DEC-2020 14:09:40	803025.2	814361	22.16557	113.96448	0.3	29	ShipXY
DE YUAN	Tug boat	16-DEC-2020 14:16:00	803008.6	814355.8	22.16542	113.96443	0.3	300	ShipXY
DE YUAN	Tug boat	16-DEC-2020 14:21:41	803019.7	814321.8	22.16552	113.9641	1	253	ShipXY
DE YUAN	Tug boat	16-DEC-2020 14:33:57	803014.1	814363	22.16547	113.9645	1	99	ShipXY
DE YUAN	Tug boat	16-DEC-2020 14:36:40	803017.4	814371.3	22.1655	113.96458	0.8	267	ShipXY
DE YUAN	Tug boat	16-DEC-2020 14:42:54	803017.5	814329	22.1655	113.96417	0.6	50	ShipXY
DE YUAN	Tug boat	16-DEC-2020 14:51:42	803020.8	814308.3	22.16553	113.96397	0.6	180	ShipXY
DE YUAN	Tug boat	16-DEC-2020 14:54:52	803020.8	814321.8	22.16553	113.9641	0.2	325	ShipXY
DE YUAN	Tug boat	16-DEC-2020 15:03:46	803008.6	814330	22.16542	113.96418	0.5	155	ShipXY
DE YUAN	Tug boat	16-DEC-2020 15:09:40	803019.7	814359.9	22.16552	113.96447	0.3	15	ShipXY
DE YUAN	Tug boat	16-DEC-2020 15:15:42	803015.3	814326.9	22.16548	113.96415	0.6	39	ShipXY
DE YUAN	Tug boat	16-DEC-2020 15:21:41	803025.3	814306.3	22.16557	113.96395	0.1	4	ShipXY
DE YUAN	Tug boat	16-DEC-2020 15:27:55	803020.8	814323.8	22.16553	113.96412	0.6	40	ShipXY
DE YUAN	Tug boat	16-DEC-2020 15:33:59	803009.7	814340.3	22.16543	113.96428	0.1	82	ShipXY
DE YUAN	Tug boat	16-DEC-2020 15:39:40	803009.7	814340.3	22.16543	113.96428	0.4	142	ShipXY
DE YUAN	Tug boat	16-DEC-2020 15:45:40	803015.3	814340.3	22.16548	113.96428	0.5	294	ShipXY
DE YUAN	Tug boat	16-DEC-2020 15:48:53	803015.3	814335.2	22.16548	113.96423	0.3	305	ShipXY
DE YUAN	Tug boat	16-DEC-2020 15:57:54	803015.2	814352.7	22.16548	113.9644	0.3	103	ShipXY
DE YUAN	Tug boat	16-DEC-2020 16:03:40	803019.7	814349.6	22.16552	113.96437	0.8	289	ShipXY
DE YUAN	Tug boat	16-DEC-2020 16:09:41	803019.7	814323.8	22.16552	113.96412	0.6	308	ShipXY
DE YUAN	Tug boat	16-DEC-2020 16:12:52	803030.8	814311.5	22.16562	113.964	0	344	ShipXY
DE YUAN	Tug boat	16-DEC-2020 16:21:41	803023	814311.4	22.16555	113.964	0.6	182	ShipXY
DE YUAN	Tug boat	16-DEC-2020 16:27:41	803020.8	814311.4	22.16553	113.964	0.5	335	ShipXY
DE YUAN	Tug boat	16-DEC-2020 16:30:50	803023.1	814304.2	22.16555	113.96393	0.2	342	ShipXY
DE YUAN	Tug boat	16-DEC-2020 16:36:43	803019.7	814329	22.16552	113.96417	0.1	111	ShipXY
DE YUAN	Tug boat	16-DEC-2020 16:45:42	803034.1	814299.1	22.16565	113.96388	0.7	329	ShipXY
DE YUAN	Tug boat	16-DEC-2020 16:48:58	803036.4	814299.1	22.16567	113.96388	0	126	ShipXY
DE YUAN	Tug boat	16-DEC-2020 16:54:51	803028.6	814306.3	22.1656	113.96395	0.2	188	ShipXY
DE YUAN	Tug boat	16-DEC-2020 17:00:48	803023	814313.5	22.16555	113.96402	0.2	263	ShipXY
DE YUAN	Tug boat	16-DEC-2020 17:09:45	803031.9	814296	22.16563	113.96385	0.6	154	ShipXY
DE YUAN	Tug boat	16-DEC-2020 17:12:45	803034.1	814304.2	22.16565	113.96393	0.6	169	ShipXY
DE YUAN	Tug boat	16-DEC-2020 17:21:45	803030.8	814303.2	22.16562	113.96392	0.4	358	ShipXY
DE YUAN	Tug boat	16-DEC-2020 17:27:45	803031.9	814304.2	22.16563	113.96393	0.4	315	ShipXY
DE YUAN	Tug boat	16-DEC-2020 17:33:45	803034.1	814299.1	22.16565	113.96388	0.4	122	ShipXY
DE YUAN	Tug boat	16-DEC-2020 17:39:45	803037.5	814298.1	22.16568	113.96387	0.3	150	ShipXY
DE YUAN	Tug boat	16-DEC-2020 17:45:45	803036.4	814299.1	22.16567	113.96388	0.5	348	ShipXY
DE YUAN	Tug boat	16-DEC-2020 17:51:45	803037.5	814298.1	22.16568	113.96387	0.3	18	ShipXY
DE YUAN	Tug boat	16-DEC-2020 17:57:46	803041.9	814296	22.16572	113.96385	0.5	169	ShipXY
DE YUAN	Tug boat	16-DEC-2020 18:03:46	803045.2	814296	22.16575	113.96385	0.9	169	ShipXY
DE YUAN	Tug boat	16-DEC-2020 18:06:45	803047.4	814296	22.16577	113.96385	0.6	324	ShipXY
DE YUAN	Tug boat	16-DEC-2020 18:12:53	803050.8	814293.9	22.1658	113.96383	0.4	331	ShipXY
DE YUAN	Tug boat	16-DEC-2020 18:21:46	803058.5	814292.9	22.16587	113.96382	0.4	336	ShipXY
DE YUAN	Tug boat	16-DEC-2020 18:27:45	803061.8	814290.9	22.1659	113.9638	0.4	124	ShipXY
DE YUAN	Tug boat	16-DEC-2020 18:30:46	803064	814290.9	22.16592	113.9638	0.3	135	ShipXY
DE YUAN	Tug boat	16-DEC-2020 18:36:44	803065.2	814292.9	22.16593	113.96382	0.3	210	ShipXY
DE YUAN	Tug boat	16-DEC-2020 18:45:45	803069.6	814296	22.16597	113.96385	0.3	79	ShipXY
DE YUAN	Tug boat	16-DEC-2020 18:51:45	803070.7	814294	22.16598	113.96383	0.8	216	ShipXY
DE YUAN	Tug boat	16-DEC-2020 18:57:45	803070.7	814288.8	22.16598	113.96378	0.5	19	ShipXY
DE YUAN	Tug boat	16-DEC-2020 19:00:45	803072.9	814288.8	22.166	113.96378	0.4	284	ShipXY
DE YUAN	Tug boat	16-DEC-2020 19:06:45	803070.7	814288.8	22.16598	113.96378	0.4	42	ShipXY
DE YUAN	Tug boat	16-DEC-2020 19:06:54	803070.7	814288.8	22.16598	113.96378	0.4	42	ShipXY
DE YUAN	Tug boat	16-DEC-2020 19:21:45	803070.7	814290.9	22.16598	113.9638	0.6	188	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	16-DEC-2020 19:27:46	803067.4	814287.8	22.16595	113.96377	0.4	298	ShipXY
DE YUAN	Tug boat	16-DEC-2020 19:33:45	803069.6	814287.8	22.16597	113.96377	0.4	119	ShipXY
DE YUAN	Tug boat	16-DEC-2020 19:39:45	803064.1	814287.8	22.16592	113.96377	0.4	81	ShipXY
DE YUAN	Tug boat	16-DEC-2020 19:45:45	803058.5	814290.9	22.16587	113.96388	0.5	192	ShipXY
DE YUAN	Tug boat	16-DEC-2020 19:51:49	803061.8	814290.9	22.1659	113.9638	0.2	131	ShipXY
DE YUAN	Tug boat	16-DEC-2020 20:03:45	803059.6	814288.8	22.16588	113.96378	0.3	221	ShipXY
DE YUAN	Tug boat	16-DEC-2020 20:09:45	803069.6	814285.7	22.16597	113.96375	0.3	8	ShipXY
DE YUAN	Tug boat	16-DEC-2020 20:15:45	803061.8	814288.8	22.1659	113.96378	0.4	12	ShipXY
DE YUAN	Tug boat	16-DEC-2020 20:21:46	803061.8	814292.9	22.1659	113.96382	0.6	177	ShipXY
DE YUAN	Tug boat	16-DEC-2020 20:21:47	803061.8	814292.9	22.1659	113.96382	0.6	177	ShipXY
DE YUAN	Tug boat	16-DEC-2020 20:33:54	803056.3	814294	22.16585	113.96383	0.1	354	ShipXY
DE YUAN	Tug boat	16-DEC-2020 20:42:52	803041.9	814293.9	22.16572	113.96383	1.4	354	ShipXY
DE YUAN	Tug boat	16-DEC-2020 20:42:55	803041.9	814293.9	22.16572	113.96383	1.4	354	ShipXY
DE YUAN	Tug boat	16-DEC-2020 20:54:56	803043	814299.1	22.16573	113.96388	0.6	323	ShipXY
DE YUAN	Tug boat	16-DEC-2020 21:00:45	803053	814292.9	22.16582	113.96382	0.3	252	ShipXY
DE YUAN	Tug boat	16-DEC-2020 21:09:45	803048.5	814296	22.16578	113.96385	0.4	188	ShipXY
DE YUAN	Tug boat	16-DEC-2020 21:18:46	803036.3	814303.2	22.16567	113.96392	0.3	298	ShipXY
DE YUAN	Tug boat	16-DEC-2020 21:39:50	803037.4	814308.4	22.16568	113.96397	1.1	346	ShipXY
DE YUAN	Tug boat	16-DEC-2020 21:42:58	803039.7	814303.2	22.1657	113.96392	0.8	184	ShipXY
DE YUAN	Tug boat	16-DEC-2020 21:51:40	803048.5	814296	22.16578	113.96385	0.2	169	ShipXY
DE YUAN	Tug boat	16-DEC-2020 22:03:45	803054.1	814298.1	22.16583	113.96387	0.1	330	ShipXY
DE YUAN	Tug boat	16-DEC-2020 22:09:50	803053	814298.1	22.16582	113.96387	0.4	14	ShipXY
DE YUAN	Tug boat	16-DEC-2020 22:12:48	803054.1	814298.1	22.16583	113.96387	0.5	45	ShipXY
DE YUAN	Tug boat	16-DEC-2020 22:21:44	803048.5	814306.3	22.16578	113.96395	0.4	202	ShipXY
DE YUAN	Tug boat	16-DEC-2020 22:27:54	803045.2	814303.2	22.16575	113.96392	0.1	247	ShipXY
DE YUAN	Tug boat	16-DEC-2020 22:33:45	803056.3	814294	22.16585	113.96383	0.1	89	ShipXY
DE YUAN	Tug boat	16-DEC-2020 22:36:45	803054.1	814296	22.16583	113.96385	0.9	11	ShipXY
DE YUAN	Tug boat	16-DEC-2020 22:45:45	803041.9	814299.1	22.16572	113.96388	0.1	161	ShipXY
DE YUAN	Tug boat	16-DEC-2020 22:51:46	803037.5	814299.1	22.16568	113.96388	0.9	181	ShipXY
DE YUAN	Tug boat	16-DEC-2020 22:57:45	803034.1	814309.4	22.16565	113.96398	0.9	169	ShipXY
DE YUAN	Tug boat	16-DEC-2020 23:00:52	803031.9	814309.4	22.16563	113.96398	0.4	162	ShipXY
DE YUAN	Tug boat	16-DEC-2020 23:09:45	803031.9	814298	22.16563	113.96387	0.3	333	ShipXY
DE YUAN	Tug boat	16-DEC-2020 23:15:45	803031.9	814313.5	22.16563	113.96402	0.4	170	ShipXY
DE YUAN	Tug boat	16-DEC-2020 23:21:45	803026.4	814304.2	22.16558	113.96393	0.4	19	ShipXY
DE YUAN	Tug boat	16-DEC-2020 23:27:45	803026.4	814303.2	22.16558	113.96392	0.8	172	ShipXY
DE YUAN	Tug boat	16-DEC-2020 23:36:44	803025.3	814316.6	22.16557	113.96405	0.1	243	ShipXY
DE YUAN	Tug boat	16-DEC-2020 23:45:51	803017.5	814316.6	22.1655	113.96405	1.2	314	ShipXY
DE YUAN	Tug boat	16-DEC-2020 23:51:45	803017.5	814311.4	22.1655	113.964	0.9	306	ShipXY
DE YUAN	Tug boat	16-DEC-2020 23:57:46	803020.8	814316.6	22.16553	113.96405	0.3	331	ShipXY
DE YUAN	Tug boat	17-DEC-2020 00:03:45	803017.5	814324.8	22.1655	113.96413	1.8	142	ShipXY
DE YUAN	Tug boat	17-DEC-2020 00:06:45	803015.3	814324.8	22.16548	113.96413	1.1	150	ShipXY
DE YUAN	Tug boat	17-DEC-2020 00:12:56	803017.5	814313.5	22.1655	113.96402	0.2	285	ShipXY
DE YUAN	Tug boat	17-DEC-2020 00:21:56	803020.8	814309.4	22.16553	113.96398	0.4	120	ShipXY
DE YUAN	Tug boat	17-DEC-2020 00:27:57	803017.5	814314.5	22.1655	113.96403	0.3	299	ShipXY
DE YUAN	Tug boat	17-DEC-2020 00:33:55	803020.8	814313.5	22.16553	113.96402	0.3	120	ShipXY
DE YUAN	Tug boat	17-DEC-2020 00:39:45	803019.7	814313.5	22.16552	113.96402	1.4	82	ShipXY
DE YUAN	Tug boat	17-DEC-2020 00:45:45	803025.3	814313.5	22.16557	113.96402	0.2	168	ShipXY
DE YUAN	Tug boat	17-DEC-2020 00:45:53	803025.3	814313.5	22.16557	113.96402	0.2	168	ShipXY
DE YUAN	Tug boat	17-DEC-2020 00:57:45	803023	814314.5	22.16555	113.96403	0.4	80	ShipXY
DE YUAN	Tug boat	17-DEC-2020 01:00:54	803020.8	814318.7	22.16553	113.96407	0.2	299	ShipXY
DE YUAN	Tug boat	17-DEC-2020 01:09:45	803030.8	814319.7	22.16562	113.96408	0.4	245	ShipXY
DE YUAN	Tug boat	17-DEC-2020 01:15:45	803026.3	814326.9	22.16558	113.96415	0.3	197	ShipXY
DE YUAN	Tug boat	17-DEC-2020 01:21:46	803011.9	814334.1	22.16545	113.96422	0.3	2	ShipXY
DE YUAN	Tug boat	17-DEC-2020 01:24:57	803015.3	814339.3	22.16548	113.96427	0.6	80	ShipXY
DE YUAN	Tug boat	17-DEC-2020 01:33:45	803019.7	814342.4	22.16552	113.9643	0.3	198	ShipXY
DE YUAN	Tug boat	17-DEC-2020 01:36:45	803014.1	814344.4	22.16547	113.96432	0.9	227	ShipXY
DE YUAN	Tug boat	17-DEC-2020 01:45:58	803020.8	814352.7	22.16553	113.9644	0.5	262	ShipXY
DE YUAN	Tug boat	17-DEC-2020 01:57:45	803019.7	814350.6	22.16552	113.96438	0.3	27	ShipXY
DE YUAN	Tug boat	17-DEC-2020 02:03:46	803015.2	814354.7	22.16548	113.96442	0.2	211	ShipXY
DE YUAN	Tug boat	17-DEC-2020 02:09:47	803014.1	814354.7	22.16547	113.96442	0.2	154	ShipXY
DE YUAN	Tug boat	17-DEC-2020 02:16:01	803014.1	814352.7	22.16547	113.9644	0.3	82	ShipXY
DE YUAN	Tug boat	17-DEC-2020 02:21:45	803017.4	814357.8	22.1655	113.96445	0.9	229	ShipXY
DE YUAN	Tug boat	17-DEC-2020 02:33:46	803015.2	814360.9	22.16548	113.96448	0.1	96	ShipXY
DE YUAN	Tug boat	17-DEC-2020 02:39:57	803015.2	814357.8	22.16548	113.96445	0.7	43	ShipXY
DE YUAN	Tug boat	17-DEC-2020 02:45:46	803017.4	814359.9	22.1655	113.96447	0.8	64	ShipXY
DE YUAN	Tug boat	17-DEC-2020 02:52:00	803017.4	814359.9	22.1655	113.96447	0.5	57	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	17-DEC-2020 02:57:45	803017.4	814357.8	22.1655	113.96445	0.8	56	ShipXY
DE YUAN	Tug boat	17-DEC-2020 03:03:58	803019.7	814360.9	22.16552	113.96448	0.5	49	ShipXY
DE YUAN	Tug boat	17-DEC-2020 03:09:46	803017.4	814357.8	22.1655	113.96445	0.8	230	ShipXY
DE YUAN	Tug boat	17-DEC-2020 03:13:02	803017.4	814360.9	22.1655	113.96448	0.1	205	ShipXY
DE YUAN	Tug boat	17-DEC-2020 03:21:56	803017.4	814357.8	22.1655	113.96445	0.1	258	ShipXY
DE YUAN	Tug boat	17-DEC-2020 03:27:45	803023	814359.9	22.16555	113.96447	0.3	224	ShipXY
DE YUAN	Tug boat	17-DEC-2020 03:30:57	803019.7	814354.8	22.16552	113.96442	0.5	51	ShipXY
DE YUAN	Tug boat	17-DEC-2020 03:36:45	803011.9	814345.5	22.16545	113.96433	0.3	77	ShipXY
DE YUAN	Tug boat	17-DEC-2020 03:42:59	803014.1	814340.3	22.16547	113.96428	0.9	55	ShipXY
DE YUAN	Tug boat	17-DEC-2020 03:48:59	803011.9	814337.2	22.16545	113.96425	0.7	60	ShipXY
DE YUAN	Tug boat	17-DEC-2020 03:57:46	803015.3	814326.9	22.16548	113.96415	0.3	44	ShipXY
DE YUAN	Tug boat	17-DEC-2020 04:03:46	803019.7	814316.6	22.16552	113.96405	0.7	256	ShipXY
DE YUAN	Tug boat	17-DEC-2020 04:06:46	803019.7	814316.6	22.16552	113.96405	0.1	40	ShipXY
DE YUAN	Tug boat	17-DEC-2020 04:12:46	803019.7	814314.5	22.16552	113.96403	0.3	231	ShipXY
DE YUAN	Tug boat	17-DEC-2020 04:21:46	803026.4	814308.4	22.16558	113.96397	0.8	278	ShipXY
DE YUAN	Tug boat	17-DEC-2020 04:27:45	803009.7	814324.8	22.16543	113.96413	0.7	105	ShipXY
DE YUAN	Tug boat	17-DEC-2020 04:33:46	803019.7	814359.9	22.16552	113.96447	0.5	93	ShipXY
DE YUAN	Tug boat	17-DEC-2020 04:39:57	803019.7	814352.7	22.16552	113.9644	0.2	225	ShipXY
DE YUAN	Tug boat	17-DEC-2020 04:45:45	803008.6	814342.4	22.16542	113.9643	0.8	276	ShipXY
DE YUAN	Tug boat	17-DEC-2020 04:51:45	803011.9	814339.3	22.16545	113.96427	1.1	295	ShipXY
DE YUAN	Tug boat	17-DEC-2020 04:57:48	803009.7	814332.1	22.16543	113.9642	1.4	293	ShipXY
DE YUAN	Tug boat	17-DEC-2020 05:04:00	803014.2	814321.7	22.16547	113.9641	0.8	142	ShipXY
DE YUAN	Tug boat	17-DEC-2020 05:09:45	803012	814326.9	22.16545	113.96415	0.5	292	ShipXY
DE YUAN	Tug boat	17-DEC-2020 05:15:44	803014.2	814323.8	22.16547	113.96412	0.4	162	ShipXY
DE YUAN	Tug boat	17-DEC-2020 05:18:58	803017.5	814319.7	22.1655	113.96408	0.6	123	ShipXY
DE YUAN	Tug boat	17-DEC-2020 05:24:45	803017.5	814313.5	22.1655	113.96402	1.4	325	ShipXY
DE YUAN	Tug boat	17-DEC-2020 05:33:57	803017.5	814314.5	22.1655	113.96403	0.2	264	ShipXY
DE YUAN	Tug boat	17-DEC-2020 05:39:46	803023.1	814306.3	22.16555	113.96395	1.1	312	ShipXY
DE YUAN	Tug boat	17-DEC-2020 05:51:55	803020.8	814313.5	22.16553	113.96402	0.8	195	ShipXY
DE YUAN	Tug boat	17-DEC-2020 05:57:44	803025.3	814301.1	22.16557	113.9639	0.8	323	ShipXY
DE YUAN	Tug boat	17-DEC-2020 06:03:46	803020.8	814306.3	22.16553	113.96395	0.4	154	ShipXY
DE YUAN	Tug boat	17-DEC-2020 06:15:46	803019.7	814311.4	22.16552	113.964	0.1	229	ShipXY
DE YUAN	Tug boat	17-DEC-2020 06:27:46	803023.1	814303.2	22.16555	113.96392	0.5	45	ShipXY
DE YUAN	Tug boat	17-DEC-2020 06:30:45	803026.4	814303.2	22.16558	113.96392	0.5	310	ShipXY
DE YUAN	Tug boat	17-DEC-2020 06:39:46	803028.6	814299.1	22.1656	113.96388	0.7	333	ShipXY
DE YUAN	Tug boat	17-DEC-2020 06:42:46	803031.9	814298	22.16563	113.96387	0.7	154	ShipXY
DE YUAN	Tug boat	17-DEC-2020 06:57:45	803045.2	814292.9	22.16575	113.96382	0.3	274	ShipXY
DE YUAN	Tug boat	17-DEC-2020 07:03:53	803045.2	814287.7	22.16575	113.96377	0.5	124	ShipXY
DE YUAN	Tug boat	17-DEC-2020 07:15:49	803041.9	814292.9	22.16572	113.96382	0.2	19	ShipXY
DE YUAN	Tug boat	17-DEC-2020 07:21:45	803036.4	814288.8	22.16567	113.96378	0.2	240	ShipXY
DE YUAN	Tug boat	17-DEC-2020 07:39:45	803041.9	814290.8	22.16572	113.9638	0.5	208	ShipXY
DE YUAN	Tug boat	17-DEC-2020 07:39:53	803041.9	814290.8	22.16572	113.9638	0.5	208	ShipXY
DE YUAN	Tug boat	17-DEC-2020 07:51:45	803047.4	814290.8	22.16577	113.9638	0.7	12	ShipXY
DE YUAN	Tug boat	17-DEC-2020 07:57:45	803056.3	814288.8	22.16585	113.96378	0.5	323	ShipXY
DE YUAN	Tug boat	17-DEC-2020 08:09:45	803061.8	814287.8	22.1659	113.96377	0.3	178	ShipXY
DE YUAN	Tug boat	17-DEC-2020 08:15:45	803058.5	814285.7	22.16587	113.96375	0.3	253	ShipXY
DE YUAN	Tug boat	17-DEC-2020 08:27:46	803054.1	814285.7	22.16583	113.96375	0.7	169	ShipXY
DE YUAN	Tug boat	17-DEC-2020 08:39:45	803064.1	814287.8	22.16592	113.96377	0.3	285	ShipXY
DE YUAN	Tug boat	17-DEC-2020 08:42:54	803065.2	814283.7	22.16593	113.96373	0.3	275	ShipXY
DE YUAN	Tug boat	17-DEC-2020 08:51:49	803070.7	814285.7	22.16598	113.96375	0.3	188	ShipXY
DE YUAN	Tug boat	17-DEC-2020 08:57:45	803059.6	814287.8	22.16588	113.96377	0.3	4	ShipXY
DE YUAN	Tug boat	17-DEC-2020 09:03:46	803075.1	814290.9	22.16602	113.9638	0.4	49	ShipXY
DE YUAN	Tug boat	17-DEC-2020 09:09:45	803065.2	814283.7	22.16593	113.96373	1	23	ShipXY
DE YUAN	Tug boat	17-DEC-2020 09:15:47	803064.1	814287.8	22.16592	113.96377	0.3	123	ShipXY
DE YUAN	Tug boat	17-DEC-2020 09:18:45	803061.8	814285.7	22.1659	113.96375	0.4	346	ShipXY
DE YUAN	Tug boat	17-DEC-2020 09:24:45	803072.9	814292.9	22.166	113.96382	0.7	346	ShipXY
DE YUAN	Tug boat	17-DEC-2020 09:33:55	803078.4	814293	22.16605	113.96382	0.6	58	ShipXY
DE YUAN	Tug boat	17-DEC-2020 09:39:46	803075.1	814288.8	22.16602	113.96378	0.2	108	ShipXY
DE YUAN	Tug boat	17-DEC-2020 09:45:45	803069.6	814287.8	22.16597	113.96377	0.3	176	ShipXY
DE YUAN	Tug boat	17-DEC-2020 09:51:45	803067.4	814288.8	22.16595	113.96378	0.4	13	ShipXY
DE YUAN	Tug boat	17-DEC-2020 09:57:45	803069.6	814287.8	22.16597	113.96377	0.3	144	ShipXY
DE YUAN	Tug boat	17-DEC-2020 10:00:45	803069.6	814285.7	22.16597	113.96375	0.4	3	ShipXY
DE YUAN	Tug boat	17-DEC-2020 10:03:58	803069.6	814287.8	22.16597	113.96377	0.5	158	ShipXY
DE YUAN	Tug boat	17-DEC-2020 10:15:45	803075.1	814285.7	22.16602	113.96375	1	179	ShipXY
DE YUAN	Tug boat	17-DEC-2020 10:21:45	803076.2	814285.7	22.16603	113.96375	0.5	10	ShipXY
DE YUAN	Tug boat	17-DEC-2020 10:27:57	803072.9	814285.7	22.166	113.96375	0.7	17	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	17-DEC-2020 10:30:45	803075.1	814290.9	22.16602	113.9638	0.5	192	ShipXY
DE YUAN	Tug boat	17-DEC-2020 10:39:47	803075.1	814287.8	22.16602	113.96377	0.2	194	ShipXY
DE YUAN	Tug boat	17-DEC-2020 10:45:45	803067.4	814288.8	22.16595	113.96378	0.7	343	ShipXY
DE YUAN	Tug boat	17-DEC-2020 10:51:45	803069.6	814283.7	22.16597	113.96373	0.6	23	ShipXY
DE YUAN	Tug boat	17-DEC-2020 10:54:47	803064.1	814288.8	22.16592	113.96378	0.5	169	ShipXY
DE YUAN	Tug boat	17-DEC-2020 11:00:56	803072.9	814285.7	22.166	113.96375	0.2	309	ShipXY
DE YUAN	Tug boat	17-DEC-2020 11:09:45	803075.1	814287.8	22.16602	113.96377	0.3	174	ShipXY
DE YUAN	Tug boat	17-DEC-2020 11:12:45	803070.7	814287.8	22.16598	113.96377	0.4	233	ShipXY
DE YUAN	Tug boat	17-DEC-2020 11:21:45	803075.1	814290.9	22.16602	113.9638	0.4	69	ShipXY
DE YUAN	Tug boat	17-DEC-2020 11:24:44	803080.7	814288.8	22.16607	113.96378	0.4	25	ShipXY
DE YUAN	Tug boat	17-DEC-2020 11:33:45	803072.9	814287.8	22.166	113.96377	0.3	132	ShipXY
DE YUAN	Tug boat	17-DEC-2020 11:39:45	803084	814287.8	22.1661	113.96377	0.5	218	ShipXY
DE YUAN	Tug boat	17-DEC-2020 11:45:46	803072.9	814287.8	22.166	113.96377	1.1	17	ShipXY
DE YUAN	Tug boat	17-DEC-2020 11:45:59	803072.9	814287.8	22.166	113.96377	1.1	17	ShipXY
DE YUAN	Tug boat	17-DEC-2020 11:57:48	803080.7	814287.8	22.16607	113.96377	1	140	ShipXY
DE YUAN	Tug boat	17-DEC-2020 12:00:46	803086.2	814290.9	22.16612	113.9638	0.3	337	ShipXY
DE YUAN	Tug boat	17-DEC-2020 12:03:43	803076.2	814288.8	22.16603	113.96378	0.3	183	ShipXY
DE YUAN	Tug boat	17-DEC-2020 12:12:45	803076.2	814287.8	22.16603	113.96377	0.7	152	ShipXY
DE YUAN	Tug boat	17-DEC-2020 12:21:45	803075.1	814287.8	22.16602	113.96377	0.4	331	ShipXY
DE YUAN	Tug boat	17-DEC-2020 12:30:45	803076.2	814287.8	22.16603	113.96377	0.5	210	ShipXY
DE YUAN	Tug boat	17-DEC-2020 12:39:45	803080.7	814287.8	22.16607	113.96377	0.4	196	ShipXY
DE YUAN	Tug boat	17-DEC-2020 12:42:45	803076.2	814287.8	22.16603	113.96377	0.7	19	ShipXY
DE YUAN	Tug boat	17-DEC-2020 12:51:45	803075.1	814292.9	22.16602	113.96382	1.1	190	ShipXY
DE YUAN	Tug boat	17-DEC-2020 12:54:48	803067.4	814287.8	22.16595	113.96377	1	185	ShipXY
DE YUAN	Tug boat	17-DEC-2020 13:00:47	803064.1	814285.7	22.16592	113.96375	0.3	220	ShipXY
DE YUAN	Tug boat	17-DEC-2020 13:09:45	803067.4	814287.8	22.16595	113.96377	0.4	164	ShipXY
DE YUAN	Tug boat	17-DEC-2020 13:12:45	803070.7	814285.7	22.16598	113.96375	0.3	72	ShipXY
DE YUAN	Tug boat	17-DEC-2020 13:21:59	803064.1	814287.8	22.16592	113.96377	0.3	220	ShipXY
DE YUAN	Tug boat	17-DEC-2020 13:33:45	803059.6	814290.9	22.16588	113.9638	0.3	52	ShipXY
DE YUAN	Tug boat	17-DEC-2020 13:39:45	803065.2	814292.9	22.16593	113.96382	0.9	337	ShipXY
DE YUAN	Tug boat	17-DEC-2020 13:45:51	803058.5	814296	22.16587	113.96385	0.4	151	ShipXY
DE YUAN	Tug boat	17-DEC-2020 13:48:44	803056.3	814303.2	22.16585	113.96392	0.8	194	ShipXY
DE YUAN	Tug boat	17-DEC-2020 13:57:46	803067.4	814288.8	22.16595	113.96378	0.8	0	ShipXY
DE YUAN	Tug boat	17-DEC-2020 14:03:45	803081.8	814288.8	22.16608	113.96378	0.5	204	ShipXY
DE YUAN	Tug boat	17-DEC-2020 14:09:45	803086.2	814290.9	22.16612	113.9638	0.6	10	ShipXY
DE YUAN	Tug boat	17-DEC-2020 14:21:45	803086.2	814294	22.16612	113.96383	0.3	268	ShipXY
DE YUAN	Tug boat	17-DEC-2020 14:27:45	803078.4	814288.8	22.16605	113.96378	1	203	ShipXY
DE YUAN	Tug boat	17-DEC-2020 14:39:46	803084	814290.9	22.1661	113.9638	0.9	22	ShipXY
DE YUAN	Tug boat	17-DEC-2020 14:45:45	803070.7	814292.9	22.16598	113.96382	0.9	212	ShipXY
DE YUAN	Tug boat	17-DEC-2020 14:48:45	803065.2	814288.8	22.16593	113.96378	1.3	351	ShipXY
DE YUAN	Tug boat	17-DEC-2020 14:51:45	803064.1	814285.7	22.16592	113.96375	0.1	120	ShipXY
DE YUAN	Tug boat	17-DEC-2020 15:03:45	803054.1	814292.9	22.16583	113.96382	0.5	259	ShipXY
DE YUAN	Tug boat	17-DEC-2020 15:09:46	803054.1	814287.8	22.16583	113.96377	1.1	155	ShipXY
DE YUAN	Tug boat	17-DEC-2020 15:09:47	803054.1	814287.8	22.16583	113.96377	1.1	155	ShipXY
DE YUAN	Tug boat	17-DEC-2020 15:21:46	803030.8	814304.2	22.16562	113.96393	1.2	300	ShipXY
DE YUAN	Tug boat	17-DEC-2020 15:27:53	803030.8	814324.9	22.16562	113.96413	0.3	336	ShipXY
DE YUAN	Tug boat	17-DEC-2020 15:30:53	803036.3	814323.8	22.16567	113.96412	0.2	165	ShipXY
DE YUAN	Tug boat	17-DEC-2020 15:36:51	803026.4	814314.5	22.16558	113.96403	1	160	ShipXY
DE YUAN	Tug boat	17-DEC-2020 15:45:45	803037.5	814303.2	22.16568	113.96392	0.6	296	ShipXY
DE YUAN	Tug boat	17-DEC-2020 15:48:45	803037.5	814296	22.16568	113.96385	0.3	333	ShipXY
DE YUAN	Tug boat	17-DEC-2020 15:54:45	803041.9	814298.1	22.16572	113.96387	0.8	321	ShipXY
DE YUAN	Tug boat	17-DEC-2020 16:03:55	803037.5	814301.1	22.16568	113.9639	0.2	192	ShipXY
DE YUAN	Tug boat	17-DEC-2020 16:15:45	803041.9	814299.1	22.16572	113.96388	0.4	165	ShipXY
DE YUAN	Tug boat	17-DEC-2020 16:21:45	803041.9	814293.9	22.16572	113.96383	0.4	269	ShipXY
DE YUAN	Tug boat	17-DEC-2020 16:24:45	803037.5	814298.1	22.16568	113.96387	0.4	54	ShipXY
DE YUAN	Tug boat	17-DEC-2020 16:33:45	803031.9	814298	22.16563	113.96387	0.5	347	ShipXY
DE YUAN	Tug boat	17-DEC-2020 16:36:53	803036.3	814304.2	22.16567	113.96393	0.4	157	ShipXY
DE YUAN	Tug boat	17-DEC-2020 16:45:55	803034.1	814301.1	22.16565	113.9639	0.4	18	ShipXY
DE YUAN	Tug boat	17-DEC-2020 16:51:45	803047.4	814296	22.16577	113.96385	0.6	318	ShipXY
DE YUAN	Tug boat	17-DEC-2020 16:57:45	803061.8	814285.7	22.1659	113.96375	0.5	171	ShipXY
DE YUAN	Tug boat	17-DEC-2020 17:03:49	803059.6	814298.1	22.16588	113.96387	0.7	187	ShipXY
DE YUAN	Tug boat	17-DEC-2020 17:09:45	803064.1	814287.8	22.16592	113.96377	0.3	124	ShipXY
DE YUAN	Tug boat	17-DEC-2020 17:15:45	803056.3	814288.8	22.16585	113.96378	0.4	147	ShipXY
DE YUAN	Tug boat	17-DEC-2020 17:21:53	803058.5	814290.9	22.16587	113.9638	0.1	55	ShipXY
DE YUAN	Tug boat	17-DEC-2020 17:23:14	803058.5	814290.9	22.16587	113.9638	0.3	261	ShipXY
DE YUAN	Tug boat	17-DEC-2020 17:33:45	803056.3	814285.7	22.16585	113.96375	0	23	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	17-DEC-2020 17:51:51	803076.2	814285.7	22.16603	113.96375	0.1	152	ShipXY
DE YUAN	Tug boat	17-DEC-2020 18:00:48	803069.6	814287.8	22.16597	113.96377	0.5	107	ShipXY
DE YUAN	Tug boat	17-DEC-2020 18:03:56	803070.7	814285.7	22.16598	113.96375	0.4	177	ShipXY
DE YUAN	Tug boat	17-DEC-2020 18:09:46	803076.2	814285.7	22.16603	113.96375	0.5	175	ShipXY
DE YUAN	Tug boat	17-DEC-2020 18:21:46	803072.9	814290.9	22.166	113.9638	0.2	306	ShipXY
DE YUAN	Tug boat	17-DEC-2020 18:24:44	803080.7	814287.8	22.16607	113.96377	0.6	158	ShipXY
DE YUAN	Tug boat	17-DEC-2020 18:34:01	803084	814290.9	22.1661	113.9638	0	20	ShipXY
DE YUAN	Tug boat	17-DEC-2020 18:39:48	803087.3	814290.9	22.16613	113.9638	0.2	338	ShipXY
DE YUAN	Tug boat	17-DEC-2020 18:48:52	803086.2	814293	22.16612	113.96382	0.2	223	ShipXY
DE YUAN	Tug boat	17-DEC-2020 19:00:38	803084	814285.7	22.1661	113.96375	0.2	232	ShipXY
DE YUAN	Tug boat	17-DEC-2020 19:15:45	803089.5	814287.8	22.16615	113.96377	0.2	86	ShipXY
DE YUAN	Tug boat	17-DEC-2020 19:27:47	803081.8	814283.7	22.16608	113.96373	0.6	218	ShipXY
DE YUAN	Tug boat	17-DEC-2020 19:30:45	803078.4	814287.8	22.16605	113.96377	0.5	179	ShipXY
DE YUAN	Tug boat	17-DEC-2020 19:42:47	803075.1	814285.7	22.16602	113.96375	0.2	21	ShipXY
DE YUAN	Tug boat	17-DEC-2020 19:45:55	803070.7	814280.6	22.16598	113.9637	0.2	65	ShipXY
DE YUAN	Tug boat	17-DEC-2020 19:51:47	803065.2	814280.6	22.16593	113.9637	0.4	31	ShipXY
DE YUAN	Tug boat	17-DEC-2020 20:09:59	803065.2	814282.6	22.16593	113.96372	0.1	238	ShipXY
DE YUAN	Tug boat	17-DEC-2020 20:28:00	803054.1	814287.8	22.16583	113.96377	0.3	323	ShipXY
DE YUAN	Tug boat	17-DEC-2020 20:30:56	803053	814285.7	22.16582	113.96375	0.8	180	ShipXY
DE YUAN	Tug boat	17-DEC-2020 20:51:58	803047.4	814290.8	22.16577	113.9638	0.3	29	ShipXY
DE YUAN	Tug boat	17-DEC-2020 20:55:01	803045.2	814290.8	22.16575	113.9638	0.1	337	ShipXY
DE YUAN	Tug boat	17-DEC-2020 21:07:00	803048.5	814288.8	22.16578	113.96378	0.3	313	ShipXY
DE YUAN	Tug boat	17-DEC-2020 21:09:57	803050.8	814285.7	22.1658	113.96375	0.2	212	ShipXY
DE YUAN	Tug boat	17-DEC-2020 21:18:56	803050.8	814287.8	22.1658	113.96377	0.5	320	ShipXY
DE YUAN	Tug boat	17-DEC-2020 21:27:56	803043	814290.8	22.16573	113.9638	0	205	ShipXY
DE YUAN	Tug boat	17-DEC-2020 21:33:56	803037.5	814296	22.16568	113.96385	0.6	171	ShipXY
DE YUAN	Tug boat	17-DEC-2020 21:37:01	803031.9	814298	22.16563	113.96387	0.1	125	ShipXY
DE YUAN	Tug boat	17-DEC-2020 21:48:56	803028.6	814303.2	22.1656	113.96392	0.4	172	ShipXY
DE YUAN	Tug boat	17-DEC-2020 21:58:02	803028.6	814303.2	22.1656	113.96392	0.6	341	ShipXY
DE YUAN	Tug boat	17-DEC-2020 22:06:58	803030.8	814304.2	22.16562	113.96393	0.6	3	ShipXY
DE YUAN	Tug boat	17-DEC-2020 22:18:59	803037.5	814293.9	22.16568	113.96383	0.1	329	ShipXY
DE YUAN	Tug boat	17-DEC-2020 22:33:55	803031.9	814299.1	22.16563	113.96388	0.2	7	ShipXY
DE YUAN	Tug boat	17-DEC-2020 22:45:47	803031.9	814303.2	22.16563	113.96392	0.5	156	ShipXY
DE YUAN	Tug boat	17-DEC-2020 22:51:46	803039.7	814299.1	22.1657	113.96388	0.1	358	ShipXY
DE YUAN	Tug boat	17-DEC-2020 23:07:01	803039.7	814296	22.1657	113.96385	0.3	197	ShipXY
DE YUAN	Tug boat	17-DEC-2020 23:13:01	803037.5	814298.1	22.16568	113.96387	0.5	166	ShipXY
DE YUAN	Tug boat	17-DEC-2020 23:24:59	803034.1	814301.1	22.16565	113.9639	0.2	156	ShipXY
DE YUAN	Tug boat	17-DEC-2020 23:33:45	803036.3	814303.2	22.16567	113.96392	0.1	281	ShipXY
DE YUAN	Tug boat	17-DEC-2020 23:39:59	803039.7	814296	22.1657	113.96385	0.7	343	ShipXY
DE YUAN	Tug boat	17-DEC-2020 23:45:47	803037.5	814301.1	22.16568	113.9639	0.9	351	ShipXY
DE YUAN	Tug boat	17-DEC-2020 23:51:56	803031.9	814301.1	22.16563	113.9639	0.1	255	ShipXY
DE YUAN	Tug boat	18-DEC-2020 00:00:49	803031.9	814306.3	22.16563	113.96395	0.3	280	ShipXY
DE YUAN	Tug boat	18-DEC-2020 00:06:51	803034.1	814303.2	22.16565	113.96392	0.2	307	ShipXY
DE YUAN	Tug boat	18-DEC-2020 00:15:46	803030.8	814306.3	22.16562	113.96395	0.3	1	ShipXY
DE YUAN	Tug boat	18-DEC-2020 00:18:54	803025.3	814309.4	22.16557	113.96398	0.1	146	ShipXY
DE YUAN	Tug boat	18-DEC-2020 00:27:44	803023	814321.8	22.16555	113.9641	0.1	163	ShipXY
DE YUAN	Tug boat	18-DEC-2020 00:30:48	803020.8	814323.8	22.16553	113.96412	0.2	131	ShipXY
DE YUAN	Tug boat	18-DEC-2020 00:36:59	803019.7	814326.9	22.16552	113.96415	0.2	343	ShipXY
DE YUAN	Tug boat	18-DEC-2020 00:45:45	803023	814340.3	22.16555	113.96428	0.2	123	ShipXY
DE YUAN	Tug boat	18-DEC-2020 00:48:52	803020.8	814342.4	22.16553	113.9643	0.9	283	ShipXY
DE YUAN	Tug boat	18-DEC-2020 00:54:58	803017.5	814344.4	22.1655	113.96432	0.1	279	ShipXY
DE YUAN	Tug boat	18-DEC-2020 01:01:00	803020.8	814345.5	22.16553	113.96433	0.6	264	ShipXY
DE YUAN	Tug boat	18-DEC-2020 01:06:57	803020.8	814345.5	22.16553	113.96433	0.1	197	ShipXY
DE YUAN	Tug boat	18-DEC-2020 01:12:48	803025.2	814352.7	22.16557	113.9644	0.6	89	ShipXY
DE YUAN	Tug boat	18-DEC-2020 01:21:45	803039.6	814355.8	22.1657	113.96443	0.2	56	ShipXY
DE YUAN	Tug boat	18-DEC-2020 01:27:48	803026.3	814355.8	22.16558	113.96443	0.1	112	ShipXY
DE YUAN	Tug boat	18-DEC-2020 01:30:45	803015.2	814349.6	22.16548	113.96437	0.4	230	ShipXY
DE YUAN	Tug boat	18-DEC-2020 01:36:48	803020.8	814347.5	22.16553	113.96435	0.2	72	ShipXY
DE YUAN	Tug boat	18-DEC-2020 01:42:56	803023	814363	22.16555	113.9645	0.7	238	ShipXY
DE YUAN	Tug boat	18-DEC-2020 01:51:48	803019.7	814363	22.16552	113.9645	1.2	66	ShipXY
DE YUAN	Tug boat	18-DEC-2020 01:54:45	803026.3	814371.3	22.16558	113.96458	0.1	97	ShipXY
DE YUAN	Tug boat	18-DEC-2020 02:03:48	803014.1	814354.7	22.16547	113.96442	0.1	358	ShipXY
DE YUAN	Tug boat	18-DEC-2020 02:09:48	803011.9	814360.9	22.16545	113.96448	0.1	235	ShipXY
DE YUAN	Tug boat	18-DEC-2020 02:15:47	803014.1	814359.9	22.16547	113.96447	0.7	222	ShipXY
DE YUAN	Tug boat	18-DEC-2020 02:21:48	803014.1	814365.1	22.16547	113.96452	0	31	ShipXY
DE YUAN	Tug boat	18-DEC-2020 02:27:45	803026.3	814370.2	22.16558	113.96457	0.2	237	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	18-DEC-2020 02:33:48	803009.7	814363	22.16543	113.9645	0.2	63	ShipXY
DE YUAN	Tug boat	18-DEC-2020 02:39:48	803025.2	814378.5	22.16557	113.96465	0.5	37	ShipXY
DE YUAN	Tug boat	18-DEC-2020 02:42:48	803031.8	814378.5	22.16563	113.96465	0.2	235	ShipXY
DE YUAN	Tug boat	18-DEC-2020 02:51:45	803023	814378.5	22.16555	113.96465	0.5	189	ShipXY
DE YUAN	Tug boat	18-DEC-2020 02:57:48	803015.2	814370.2	22.16548	113.96457	0.3	193	ShipXY
DE YUAN	Tug boat	18-DEC-2020 03:00:45	803014.1	814371.3	22.16547	113.96458	0.4	45	ShipXY
DE YUAN	Tug boat	18-DEC-2020 03:15:53	803026.3	814383.6	22.16558	113.9647	0.4	239	ShipXY
DE YUAN	Tug boat	18-DEC-2020 03:21:45	803017.4	814381.6	22.1655	113.96468	0.6	50	ShipXY
DE YUAN	Tug boat	18-DEC-2020 03:27:48	803017.4	814383.6	22.1655	113.9647	0.2	21	ShipXY
DE YUAN	Tug boat	18-DEC-2020 03:33:45	803026.3	814385.7	22.16558	113.96472	0.3	231	ShipXY
DE YUAN	Tug boat	18-DEC-2020 03:39:45	803019.6	814380.5	22.16552	113.96467	0.7	27	ShipXY
DE YUAN	Tug boat	18-DEC-2020 03:45:48	803019.6	814378.5	22.16552	113.96465	0.2	259	ShipXY
DE YUAN	Tug boat	18-DEC-2020 03:51:48	803015.2	814370.2	22.16548	113.96457	0.2	44	ShipXY
DE YUAN	Tug boat	18-DEC-2020 03:57:55	803020.7	814383.6	22.16553	113.9647	0.1	243	ShipXY
DE YUAN	Tug boat	18-DEC-2020 04:09:44	803011.9	814380.5	22.16545	113.96467	0.3	35	ShipXY
DE YUAN	Tug boat	18-DEC-2020 04:15:59	803008.6	814365.1	22.16542	113.96452	0.1	17	ShipXY
DE YUAN	Tug boat	18-DEC-2020 04:21:48	803014.1	814380.5	22.16547	113.96467	0.1	194	ShipXY
DE YUAN	Tug boat	18-DEC-2020 04:27:45	803030.7	814385.7	22.16562	113.96472	0.5	225	ShipXY
DE YUAN	Tug boat	18-DEC-2020 04:33:48	803006.4	814370.2	22.1654	113.96457	0.1	133	ShipXY
DE YUAN	Tug boat	18-DEC-2020 04:39:45	803028.5	814391.9	22.1656	113.96478	0.3	307	ShipXY
DE YUAN	Tug boat	18-DEC-2020 04:42:46	803041.8	814396	22.16572	113.96482	0.3	45	ShipXY
DE YUAN	Tug boat	18-DEC-2020 04:51:52	803006.4	814371.2	22.1654	113.96458	0.2	23	ShipXY
DE YUAN	Tug boat	18-DEC-2020 04:57:53	803006.4	814373.3	22.1654	113.9646	0.5	88	ShipXY
DE YUAN	Tug boat	18-DEC-2020 05:03:48	803042.9	814402.2	22.16573	113.96488	0.2	288	ShipXY
DE YUAN	Tug boat	18-DEC-2020 05:09:48	803003	814370.2	22.16537	113.96457	0.1	68	ShipXY
DE YUAN	Tug boat	18-DEC-2020 05:15:45	803000.8	814371.2	22.16535	113.96458	0.4	81	ShipXY
DE YUAN	Tug boat	18-DEC-2020 05:21:45	803006.4	814352.7	22.1654	113.9644	0.3	328	ShipXY
DE YUAN	Tug boat	18-DEC-2020 05:27:54	803019.6	814388.8	22.16552	113.96475	1	73	ShipXY
DE YUAN	Tug boat	18-DEC-2020 05:30:45	803017.4	814386.7	22.1655	113.96473	0.7	231	ShipXY
DE YUAN	Tug boat	18-DEC-2020 05:39:45	802998.6	814360.9	22.16533	113.96448	0.3	258	ShipXY
DE YUAN	Tug boat	18-DEC-2020 05:45:55	803004.2	814363	22.16538	113.9645	0.1	313	ShipXY
DE YUAN	Tug boat	18-DEC-2020 05:51:48	803017.4	814388.8	22.1655	113.96475	0.2	99	ShipXY
DE YUAN	Tug boat	18-DEC-2020 05:57:45	803014.1	814370.2	22.16547	113.96457	0.3	44	ShipXY
DE YUAN	Tug boat	18-DEC-2020 06:03:45	803008.6	814344.4	22.16542	113.96432	0.7	285	ShipXY
DE YUAN	Tug boat	18-DEC-2020 06:09:45	803006.4	814370.2	22.1654	113.96457	0.6	311	ShipXY
DE YUAN	Tug boat	18-DEC-2020 06:15:48	803009.7	814373.3	22.16543	113.9646	0.3	67	ShipXY
DE YUAN	Tug boat	18-DEC-2020 06:21:45	803003.1	814339.3	22.16537	113.96427	0.3	246	ShipXY
DE YUAN	Tug boat	18-DEC-2020 06:27:45	803000.8	814370.2	22.16535	113.96457	0.6	94	ShipXY
DE YUAN	Tug boat	18-DEC-2020 06:33:52	803009.7	814385.7	22.16543	113.96472	0.3	312	ShipXY
DE YUAN	Tug boat	18-DEC-2020 06:39:45	803011.9	814375.4	22.16545	113.96462	0.4	125	ShipXY
DE YUAN	Tug boat	18-DEC-2020 06:46:05	803003.1	814352.7	22.16537	113.9644	0.3	133	ShipXY
DE YUAN	Tug boat	18-DEC-2020 06:51:48	803006.4	814354.7	22.1654	113.96442	0.1	197	ShipXY
DE YUAN	Tug boat	18-DEC-2020 06:57:45	803004.2	814337.2	22.16538	113.96425	0.5	324	ShipXY
DE YUAN	Tug boat	18-DEC-2020 07:03:45	803008.6	814339.3	22.16542	113.96427	0.6	158	ShipXY
DE YUAN	Tug boat	18-DEC-2020 07:09:45	803004.2	814332	22.16538	113.9642	0.5	296	ShipXY
DE YUAN	Tug boat	18-DEC-2020 07:15:45	803003.1	814350.6	22.16537	113.96438	1	131	ShipXY
DE YUAN	Tug boat	18-DEC-2020 07:27:45	803004.1	814365	22.16538	113.96452	0.3	135	ShipXY
DE YUAN	Tug boat	18-DEC-2020 07:30:53	803004.1	814365	22.16538	113.96452	0.9	299	ShipXY
DE YUAN	Tug boat	18-DEC-2020 07:39:45	803004.2	814344.4	22.16538	113.96432	0.5	152	ShipXY
DE YUAN	Tug boat	18-DEC-2020 07:45:45	803006.4	814334.1	22.1654	113.96422	0.5	145	ShipXY
DE YUAN	Tug boat	18-DEC-2020 07:51:45	803015.3	814329	22.16548	113.96417	0.3	300	ShipXY
DE YUAN	Tug boat	18-DEC-2020 07:57:45	803025.2	814321.8	22.16557	113.9641	0.4	158	ShipXY
DE YUAN	Tug boat	18-DEC-2020 08:04:01	803036.3	814316.6	22.16567	113.96405	0.4	142	ShipXY
DE YUAN	Tug boat	18-DEC-2020 08:09:49	803043	814319.7	22.16573	113.96408	0.3	36	ShipXY
DE YUAN	Tug boat	18-DEC-2020 08:15:45	803034.1	814316.6	22.16565	113.96405	0.4	21	ShipXY
DE YUAN	Tug boat	18-DEC-2020 08:27:48	803015.3	814326.9	22.16548	113.96415	0.1	102	ShipXY
DE YUAN	Tug boat	18-DEC-2020 08:36:47	803019.7	814323.8	22.16552	113.96412	1	332	ShipXY
DE YUAN	Tug boat	18-DEC-2020 08:45:54	803047.4	814316.6	22.16577	113.96405	0.1	121	ShipXY
DE YUAN	Tug boat	18-DEC-2020 08:57:45	803069.5	814321.8	22.16597	113.9641	0.8	34	ShipXY
DE YUAN	Tug boat	18-DEC-2020 09:03:50	803064	814318.7	22.16592	113.96407	0.4	247	ShipXY
DE YUAN	Tug boat	18-DEC-2020 09:09:46	803067.3	814319.8	22.16595	113.96408	0.3	352	ShipXY
DE YUAN	Tug boat	18-DEC-2020 09:15:45	803065.1	814321.8	22.16593	113.9641	0.4	248	ShipXY
DE YUAN	Tug boat	18-DEC-2020 09:21:44	803065.1	814323.9	22.16593	113.96412	0.5	3	ShipXY
DE YUAN	Tug boat	18-DEC-2020 09:21:51	803065.1	814323.9	22.16593	113.96412	0.5	3	ShipXY
DE YUAN	Tug boat	18-DEC-2020 09:33:53	803070.6	814324.9	22.16598	113.96413	0	17	ShipXY
DE YUAN	Tug boat	18-DEC-2020 09:36:54	803070.6	814329	22.16598	113.96417	0.1	2	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	18-DEC-2020 09:51:45	803069.5	814319.8	22.16597	113.96408	0.4	38	ShipXY
DE YUAN	Tug boat	18-DEC-2020 09:57:54	803061.8	814318.7	22.1659	113.96407	0.1	251	ShipXY
DE YUAN	Tug boat	18-DEC-2020 10:09:45	803069.5	814323.9	22.16597	113.96412	0.8	354	ShipXY
DE YUAN	Tug boat	18-DEC-2020 10:13:00	803070.6	814327	22.16598	113.96415	0.1	271	ShipXY
DE YUAN	Tug boat	18-DEC-2020 10:18:50	803078.4	814330.1	22.16605	113.96418	0.3	11	ShipXY
DE YUAN	Tug boat	18-DEC-2020 10:27:45	803070.6	814321.8	22.16598	113.9641	0.4	164	ShipXY
DE YUAN	Tug boat	18-DEC-2020 10:33:46	803075.1	814324.9	22.16602	113.96413	0.4	181	ShipXY
DE YUAN	Tug boat	18-DEC-2020 10:39:45	803075.1	814324.9	22.16602	113.96413	0.4	74	ShipXY
DE YUAN	Tug boat	18-DEC-2020 10:42:45	803076.2	814323.9	22.16603	113.96412	0.5	221	ShipXY
DE YUAN	Tug boat	18-DEC-2020 10:48:53	803069.5	814321.8	22.16597	113.9641	1.1	36	ShipXY
DE YUAN	Tug boat	18-DEC-2020 10:52:01	803075.1	814321.8	22.16602	113.9641	0.1	299	ShipXY
DE YUAN	Tug boat	18-DEC-2020 11:03:45	803081.7	814327	22.16608	113.96415	0.6	186	ShipXY
DE YUAN	Tug boat	18-DEC-2020 11:09:45	803072.9	814324.9	22.166	113.96413	1	228	ShipXY
DE YUAN	Tug boat	18-DEC-2020 11:21:49	803075.1	814324.9	22.16602	113.96413	0.2	35	ShipXY
DE YUAN	Tug boat	18-DEC-2020 11:24:44	803078.4	814323.9	22.16605	113.96412	0.6	195	ShipXY
DE YUAN	Tug boat	18-DEC-2020 11:33:48	803075.1	814321.8	22.16602	113.9641	0.4	334	ShipXY
DE YUAN	Tug boat	18-DEC-2020 11:45:45	803078.4	814321.8	22.16605	113.9641	0.5	219	ShipXY
DE YUAN	Tug boat	18-DEC-2020 11:51:46	803078.4	814324.9	22.16605	113.96413	0.7	34	ShipXY
DE YUAN	Tug boat	18-DEC-2020 11:57:44	803076.2	814323.9	22.16603	113.96412	0.4	70	ShipXY
DE YUAN	Tug boat	18-DEC-2020 12:03:45	803076.2	814323.9	22.16603	113.96412	0.3	178	ShipXY
DE YUAN	Tug boat	18-DEC-2020 12:09:45	803078.4	814327	22.16605	113.96415	0.4	249	ShipXY
DE YUAN	Tug boat	18-DEC-2020 12:15:45	803076.2	814323.9	22.16603	113.96412	0.4	23	ShipXY
DE YUAN	Tug boat	18-DEC-2020 12:18:44	803076.2	814323.9	22.16603	113.96412	0.5	42	ShipXY
DE YUAN	Tug boat	18-DEC-2020 12:27:45	803075.1	814321.8	22.16602	113.9641	0.5	41	ShipXY
DE YUAN	Tug boat	18-DEC-2020 12:33:45	803075.1	814321.8	22.16602	113.9641	0.3	225	ShipXY
DE YUAN	Tug boat	18-DEC-2020 12:39:45	803070.6	814321.8	22.16598	113.9641	0.7	199	ShipXY
DE YUAN	Tug boat	18-DEC-2020 12:45:48	803072.9	814329	22.166	113.96417	0.7	44	ShipXY
DE YUAN	Tug boat	18-DEC-2020 12:51:45	803075.1	814324.9	22.16602	113.96413	0.4	202	ShipXY
DE YUAN	Tug boat	18-DEC-2020 12:57:46	803072.9	814324.9	22.166	113.96413	0.3	284	ShipXY
DE YUAN	Tug boat	18-DEC-2020 13:03:45	803075.1	814329	22.16602	113.96417	0.3	191	ShipXY
DE YUAN	Tug boat	18-DEC-2020 13:06:55	803075.1	814329	22.16602	113.96417	0.4	62	ShipXY
DE YUAN	Tug boat	18-DEC-2020 13:21:54	803069.5	814327	22.16597	113.96415	0.6	29	ShipXY
DE YUAN	Tug boat	18-DEC-2020 13:33:45	803069.5	814324.9	22.16597	113.96413	0.4	20	ShipXY
DE YUAN	Tug boat	18-DEC-2020 13:39:45	803075.1	814332.1	22.16602	113.9642	0.5	252	ShipXY
DE YUAN	Tug boat	18-DEC-2020 13:48:45	803075.1	814329	22.16602	113.96417	0.5	227	ShipXY
DE YUAN	Tug boat	18-DEC-2020 13:57:46	803076.2	814324.9	22.16603	113.96413	0.3	234	ShipXY
DE YUAN	Tug boat	18-DEC-2020 14:03:45	803078.4	814327	22.16605	113.96415	0.3	197	ShipXY
DE YUAN	Tug boat	18-DEC-2020 14:06:45	803081.7	814330.1	22.16608	113.96418	0.3	79	ShipXY
DE YUAN	Tug boat	18-DEC-2020 14:09:58	803080.6	814332.1	22.16607	113.9642	0.2	325	ShipXY
DE YUAN	Tug boat	18-DEC-2020 14:21:45	803080.6	814329.1	22.16607	113.96417	0.3	201	ShipXY
DE YUAN	Tug boat	18-DEC-2020 14:27:45	803078.4	814332.1	22.16605	113.9642	0.4	67	ShipXY
DE YUAN	Tug boat	18-DEC-2020 14:33:46	803083.9	814340.4	22.1661	113.96428	0.3	225	ShipXY
DE YUAN	Tug boat	18-DEC-2020 14:45:45	803081.7	814337.3	22.16608	113.96425	0.6	36	ShipXY
DE YUAN	Tug boat	18-DEC-2020 14:51:45	803080.6	814334.2	22.16607	113.96422	0.7	223	ShipXY
DE YUAN	Tug boat	18-DEC-2020 14:57:45	803075.1	814337.3	22.16602	113.96425	0.3	17	ShipXY
DE YUAN	Tug boat	18-DEC-2020 15:03:57	803075.1	814335.2	22.16602	113.96423	0.1	39	ShipXY
DE YUAN	Tug boat	18-DEC-2020 15:15:52	803081.7	814339.4	22.16608	113.96427	0.2	274	ShipXY
DE YUAN	Tug boat	18-DEC-2020 15:21:45	803083.9	814339.4	22.1661	113.96427	0.6	50	ShipXY
DE YUAN	Tug boat	18-DEC-2020 15:27:45	803081.7	814340.4	22.16608	113.96428	0.3	237	ShipXY
DE YUAN	Tug boat	18-DEC-2020 15:33:45	803086.1	814345.6	22.16612	113.96433	0.3	32	ShipXY
DE YUAN	Tug boat	18-DEC-2020 15:39:45	803083.9	814339.4	22.1661	113.96427	0.3	263	ShipXY
DE YUAN	Tug boat	18-DEC-2020 15:51:46	803087.2	814342.5	22.16613	113.9643	0.4	59	ShipXY
DE YUAN	Tug boat	18-DEC-2020 15:57:45	803089.4	814342.5	22.16615	113.9643	0.5	250	ShipXY
DE YUAN	Tug boat	18-DEC-2020 16:03:45	803087.2	814335.3	22.16613	113.96423	0.5	8	ShipXY
DE YUAN	Tug boat	18-DEC-2020 16:09:58	803092.8	814339.4	22.16618	113.96427	0.4	24	ShipXY
DE YUAN	Tug boat	18-DEC-2020 16:15:45	803087.2	814352.8	22.16613	113.9644	0.5	65	ShipXY
DE YUAN	Tug boat	18-DEC-2020 16:21:45	803080.6	814345.6	22.16607	113.96433	0.3	96	ShipXY
DE YUAN	Tug boat	18-DEC-2020 16:27:45	803091.7	814339.4	22.16617	113.96427	0.8	252	ShipXY
DE YUAN	Tug boat	18-DEC-2020 16:33:46	803089.4	814347.6	22.16615	113.96435	0.7	211	ShipXY
DE YUAN	Tug boat	18-DEC-2020 16:39:45	803089.4	814355.9	22.16615	113.96443	0.7	240	ShipXY
DE YUAN	Tug boat	18-DEC-2020 16:45:45	803098.3	814352.8	22.16623	113.9644	0.5	262	ShipXY
DE YUAN	Tug boat	18-DEC-2020 16:51:45	803095	814350.7	22.1662	113.96438	1	82	ShipXY
DE YUAN	Tug boat	18-DEC-2020 17:03:45	803098.3	814344.6	22.16623	113.96432	0.6	71	ShipXY
DE YUAN	Tug boat	18-DEC-2020 17:09:45	803095	814349.7	22.1662	113.96437	0.4	65	ShipXY
DE YUAN	Tug boat	18-DEC-2020 17:13:00	803098.3	814347.6	22.16623	113.96435	0	270	ShipXY
DE YUAN	Tug boat	18-DEC-2020 17:21:45	803098.3	814352.8	22.16623	113.9644	0.3	67	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	18-DEC-2020 17:27:46	803098.3	814345.6	22.16623	113.96433	0.3	281	ShipXY
DE YUAN	Tug boat	18-DEC-2020 17:31:01	803098.3	814349.7	22.16623	113.96437	0.6	66	ShipXY
DE YUAN	Tug boat	18-DEC-2020 17:39:45	803095	814354.9	22.1662	113.96442	0.3	248	ShipXY
DE YUAN	Tug boat	18-DEC-2020 17:45:46	803095	814355.9	22.1662	113.96443	0.3	238	ShipXY
DE YUAN	Tug boat	18-DEC-2020 17:51:45	803102.7	814352.8	22.16627	113.9644	0.5	269	ShipXY
DE YUAN	Tug boat	18-DEC-2020 17:54:46	803098.3	814347.6	22.16623	113.96435	0.5	86	ShipXY
DE YUAN	Tug boat	18-DEC-2020 18:03:45	803103.8	814340.4	22.16628	113.96428	0.7	224	ShipXY
DE YUAN	Tug boat	18-DEC-2020 18:09:46	803108.3	814319.8	22.16632	113.96408	0.4	249	ShipXY
DE YUAN	Tug boat	18-DEC-2020 18:15:43	803119.4	814314.7	22.16642	113.96403	0.1	210	ShipXY
DE YUAN	Tug boat	18-DEC-2020 18:21:45	803124.9	814332.2	22.16647	113.9642	0.6	242	ShipXY
DE YUAN	Tug boat	18-DEC-2020 18:27:45	803119.4	814325	22.16642	113.96413	0.5	265	ShipXY
DE YUAN	Tug boat	18-DEC-2020 18:33:46	803119.4	814325	22.16642	113.96413	0.4	255	ShipXY
DE YUAN	Tug boat	18-DEC-2020 18:36:49	803120.5	814327	22.16643	113.96415	0.5	71	ShipXY
DE YUAN	Tug boat	18-DEC-2020 18:45:45	803115	814314.7	22.16638	113.96403	0.7	229	ShipXY
DE YUAN	Tug boat	18-DEC-2020 18:48:45	803100.6	814304.3	22.16625	113.96393	0.3	272	ShipXY
DE YUAN	Tug boat	18-DEC-2020 18:54:45	803070.7	814296	22.16598	113.96385	0.5	204	ShipXY
DE YUAN	Tug boat	18-DEC-2020 19:03:45	803056.3	814299.1	22.16585	113.96388	0.3	156	ShipXY
DE YUAN	Tug boat	18-DEC-2020 19:09:45	803075.1	814296	22.16602	113.96385	0.3	183	ShipXY
DE YUAN	Tug boat	18-DEC-2020 19:12:49	803072.9	814299.1	22.166	113.96388	0.2	29	ShipXY
DE YUAN	Tug boat	18-DEC-2020 19:21:46	803084	814296.1	22.1661	113.96385	0.1	207	ShipXY
DE YUAN	Tug boat	18-DEC-2020 19:24:44	803078.4	814298.1	22.16605	113.96387	0.3	42	ShipXY
DE YUAN	Tug boat	18-DEC-2020 19:30:45	803076.2	814292.9	22.16603	113.96382	0.3	190	ShipXY
DE YUAN	Tug boat	18-DEC-2020 19:36:46	803076.2	814299.1	22.16603	113.96388	0.5	218	ShipXY
DE YUAN	Tug boat	18-DEC-2020 19:42:46	803097.3	814301.2	22.16622	113.9639	0.3	357	ShipXY
DE YUAN	Tug boat	18-DEC-2020 19:57:45	803067.4	814294	22.16595	113.96383	0.5	177	ShipXY
DE YUAN	Tug boat	18-DEC-2020 20:03:49	803061.8	814294	22.1659	113.96383	0.4	347	ShipXY
DE YUAN	Tug boat	18-DEC-2020 20:09:50	803075.1	814296	22.16602	113.96385	0.2	201	ShipXY
DE YUAN	Tug boat	18-DEC-2020 20:15:45	803069.6	814294	22.16597	113.96383	0.3	235	ShipXY
DE YUAN	Tug boat	18-DEC-2020 20:22:07	803064	814294	22.16592	113.96383	0.7	10	ShipXY
DE YUAN	Tug boat	18-DEC-2020 20:27:57	803065.2	814294	22.16593	113.96383	0.3	343	ShipXY
DE YUAN	Tug boat	18-DEC-2020 20:30:50	803064	814296	22.16592	113.96385	0.1	4	ShipXY
DE YUAN	Tug boat	18-DEC-2020 20:39:53	803047.4	814296	22.16577	113.96385	0.5	340	ShipXY
DE YUAN	Tug boat	18-DEC-2020 20:51:44	803045.2	814296	22.16575	113.96385	0.3	179	ShipXY
DE YUAN	Tug boat	18-DEC-2020 20:55:07	803050.8	814290.9	22.1658	113.9638	0.1	321	ShipXY
DE YUAN	Tug boat	18-DEC-2020 21:03:45	803043	814293.9	22.16573	113.96383	0	78	ShipXY
DE YUAN	Tug boat	18-DEC-2020 21:03:53	803043	814293.9	22.16573	113.96383	0	78	ShipXY
DE YUAN	Tug boat	18-DEC-2020 21:15:45	803036.4	814298.1	22.16567	113.96387	0.4	266	ShipXY
DE YUAN	Tug boat	18-DEC-2020 21:18:46	803037.5	814292.9	22.16568	113.96382	0.3	150	ShipXY
DE YUAN	Tug boat	18-DEC-2020 21:21:53	803031.9	814299.1	22.16563	113.96388	0.2	214	ShipXY
DE YUAN	Tug boat	18-DEC-2020 21:30:46	803023.1	814301.1	22.16555	113.9639	0.4	151	ShipXY
DE YUAN	Tug boat	18-DEC-2020 21:30:49	803023.1	814301.1	22.16555	113.9639	0.4	151	ShipXY
DE YUAN	Tug boat	18-DEC-2020 21:40:01	803019.7	814309.4	22.16552	113.96398	0.2	339	ShipXY
DE YUAN	Tug boat	18-DEC-2020 21:51:45	803015.3	814311.4	22.16548	113.964	0.1	355	ShipXY
DE YUAN	Tug boat	18-DEC-2020 21:54:50	803015.3	814321.7	22.16548	113.9641	0.4	158	ShipXY
DE YUAN	Tug boat	18-DEC-2020 22:04:03	803012	814324.8	22.16545	113.96413	0	331	ShipXY
DE YUAN	Tug boat	18-DEC-2020 22:06:49	803011.9	814329	22.16545	113.96417	0.4	151	ShipXY
DE YUAN	Tug boat	18-DEC-2020 22:18:45	803008.6	814334.1	22.16542	113.96422	0.7	142	ShipXY
DE YUAN	Tug boat	18-DEC-2020 22:25:00	803008.6	814332	22.16542	113.9642	0.1	265	ShipXY
DE YUAN	Tug boat	18-DEC-2020 22:33:54	803006.4	814337.2	22.1654	113.96425	0.1	297	ShipXY
DE YUAN	Tug boat	18-DEC-2020 22:42:59	803011.9	814347.5	22.16545	113.96435	0.4	149	ShipXY
DE YUAN	Tug boat	18-DEC-2020 22:51:44	803014.2	814326.9	22.16547	113.96415	0	152	ShipXY
DE YUAN	Tug boat	18-DEC-2020 22:57:45	803017.5	814339.3	22.1655	113.96427	0.7	326	ShipXY
DE YUAN	Tug boat	18-DEC-2020 23:07:30	803019.7	814339.3	22.16552	113.96427	0.1	303	ShipXY
DE YUAN	Tug boat	18-DEC-2020 23:22:07	803008.6	814350.6	22.16542	113.96438	0.4	291	ShipXY
DE YUAN	Tug boat	18-DEC-2020 23:25:09	803011.9	814354.7	22.16545	113.96442	0	134	ShipXY
DE YUAN	Tug boat	18-DEC-2020 23:31:02	803019.7	814350.6	22.16552	113.96438	0.2	96	ShipXY
DE YUAN	Tug boat	18-DEC-2020 23:36:45	803017.4	814357.8	22.1655	113.96445	0	262	ShipXY
DE YUAN	Tug boat	18-DEC-2020 23:47:17	803015.2	814357.8	22.16548	113.96445	0.1	273	ShipXY
DE YUAN	Tug boat	18-DEC-2020 23:52:43	803019.7	814365.1	22.16552	113.96452	0.4	106	ShipXY
DE YUAN	Tug boat	18-DEC-2020 23:57:54	803011.9	814366.1	22.16545	113.96453	0.4	93	ShipXY
DE YUAN	Tug boat	19-DEC-2020 00:04:04	803006.4	814365.1	22.1654	113.96452	0.2	200	ShipXY
DE YUAN	Tug boat	19-DEC-2020 00:09:55	803015.3	814340.3	22.16548	113.96428	0.2	234	ShipXY
DE YUAN	Tug boat	19-DEC-2020 00:14:32	803023	814334.1	22.16555	113.96422	0.1	23	ShipXY
DE YUAN	Tug boat	19-DEC-2020 00:27:57	803008.6	814363	22.16542	113.9645	0.3	62	ShipXY
DE YUAN	Tug boat	19-DEC-2020 00:31:37	803008.6	814365.1	22.16542	113.96452	0.2	260	ShipXY
DE YUAN	Tug boat	19-DEC-2020 00:36:45	803008.6	814359.9	22.16542	113.96447	0.1	65	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	19-DEC-2020 00:45:46	803004.2	814350.6	22.16538	113.96438	0.3	221	ShipXY
DE YUAN	Tug boat	19-DEC-2020 00:49:36	803003.1	814352.7	22.16537	113.9644	0.4	239	ShipXY
DE YUAN	Tug boat	19-DEC-2020 00:54:45	803011.9	814340.3	22.16545	113.96428	0.4	233	ShipXY
DE YUAN	Tug boat	19-DEC-2020 01:00:49	803015.2	814344.4	22.16548	113.96432	0.1	115	ShipXY
DE YUAN	Tug boat	19-DEC-2020 01:09:55	803009.7	814365.1	22.16543	113.96452	0.2	99	ShipXY
DE YUAN	Tug boat	19-DEC-2020 01:12:45	803008.6	814368.1	22.16542	113.96455	0	150	ShipXY
DE YUAN	Tug boat	19-DEC-2020 01:12:57	803008.6	814368.1	22.16542	113.96455	0	150	ShipXY
DE YUAN	Tug boat	19-DEC-2020 01:27:45	803004.2	814347.5	22.16538	113.96435	0.4	28	ShipXY
DE YUAN	Tug boat	19-DEC-2020 01:33:59	803004.2	814350.6	22.16538	113.96438	0.1	277	ShipXY
DE YUAN	Tug boat	19-DEC-2020 01:36:51	803006.4	814350.6	22.1654	113.96438	0.1	301	ShipXY
DE YUAN	Tug boat	19-DEC-2020 01:49:02	803008.6	814365.1	22.16542	113.96452	0.5	22	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:00:45	803025.2	814376.4	22.16557	113.96463	0.4	197	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:04:01	803011.9	814375.4	22.16545	113.96462	0.7	184	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:07:02	803011.9	814378.5	22.16545	113.96465	0.1	148	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:15:55	803009.7	814366.1	22.16543	113.96453	0	235	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:21:50	803008.6	814363	22.16542	113.9645	0.4	216	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:27:50	803006.4	814370.2	22.1654	113.96457	0.5	22	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:34:03	803006.4	814360.9	22.1654	113.96448	0.1	199	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:40:01	803011.9	814366.1	22.16545	113.96453	0.2	211	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:46:02	803011.9	814371.2	22.16545	113.96458	0.2	183	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:51:50	803009.7	814373.3	22.16543	113.9646	0.2	42	ShipXY
DE YUAN	Tug boat	19-DEC-2020 02:54:51	803009.7	814373.3	22.16543	113.9646	0.1	235	ShipXY
DE YUAN	Tug boat	19-DEC-2020 03:04:00	803011.9	814376.4	22.16545	113.96463	0.5	46	ShipXY
DE YUAN	Tug boat	19-DEC-2020 03:10:00	803011.9	814380.5	22.16545	113.96467	0.1	29	ShipXY
DE YUAN	Tug boat	19-DEC-2020 03:16:02	803019.6	814380.5	22.16552	113.96467	0.3	23	ShipXY
DE YUAN	Tug boat	19-DEC-2020 03:22:00	803011.9	814380.5	22.16545	113.96467	0	31	ShipXY
DE YUAN	Tug boat	19-DEC-2020 03:34:01	803020.7	814376.4	22.16553	113.96463	0.1	351	ShipXY
DE YUAN	Tug boat	19-DEC-2020 03:40:02	803015.2	814380.5	22.16548	113.96467	0.2	68	ShipXY
DE YUAN	Tug boat	19-DEC-2020 03:45:45	803020.7	814385.7	22.16553	113.96472	0.3	250	ShipXY
DE YUAN	Tug boat	19-DEC-2020 03:52:04	803015.2	814378.5	22.16548	113.96465	0.6	27	ShipXY
DE YUAN	Tug boat	19-DEC-2020 04:03:58	803020.7	814386.7	22.16553	113.96473	0.3	42	ShipXY
DE YUAN	Tug boat	19-DEC-2020 04:07:04	803017.4	814386.7	22.1655	113.96473	0.2	203	ShipXY
DE YUAN	Tug boat	19-DEC-2020 04:18:44	803011.9	814378.5	22.16545	113.96465	0.2	58	ShipXY
DE YUAN	Tug boat	19-DEC-2020 04:30:44	803020.7	814381.6	22.16553	113.96468	0.4	15	ShipXY
DE YUAN	Tug boat	19-DEC-2020 04:37:01	803025.2	814378.5	22.16557	113.96465	0.1	20	ShipXY
DE YUAN	Tug boat	19-DEC-2020 04:42:45	803017.4	814383.6	22.1655	113.9647	0	211	ShipXY
DE YUAN	Tug boat	19-DEC-2020 04:55:01	803036.2	814383.7	22.16567	113.9647	0.3	37	ShipXY
DE YUAN	Tug boat	19-DEC-2020 05:04:03	803011.9	814385.7	22.16545	113.96472	0.2	241	ShipXY
DE YUAN	Tug boat	19-DEC-2020 05:10:01	803008.6	814370.2	22.16542	113.96457	0.2	43	ShipXY
DE YUAN	Tug boat	19-DEC-2020 05:12:45	803009.7	814368.2	22.16543	113.96455	0.4	57	ShipXY
DE YUAN	Tug boat	19-DEC-2020 05:12:58	803009.7	814368.2	22.16543	113.96455	0.4	57	ShipXY
DE YUAN	Tug boat	19-DEC-2020 05:27:50	803006.4	814373.3	22.1654	113.9646	0	23	ShipXY
DE YUAN	Tug boat	19-DEC-2020 05:33:58	803009.7	814363	22.16543	113.9645	0	349	ShipXY
DE YUAN	Tug boat	19-DEC-2020 05:40:00	803014.1	814363	22.16547	113.9645	0.5	56	ShipXY
DE YUAN	Tug boat	19-DEC-2020 05:45:50	803014.1	814370.2	22.16547	113.96457	0.1	189	ShipXY
DE YUAN	Tug boat	19-DEC-2020 05:48:56	803011.9	814371.2	22.16545	113.96458	0.1	277	ShipXY
DE YUAN	Tug boat	19-DEC-2020 05:55:01	803009.7	814373.3	22.16543	113.9646	0	212	ShipXY
DE YUAN	Tug boat	19-DEC-2020 06:01:02	803008.6	814368.1	22.16542	113.96455	0	217	ShipXY
DE YUAN	Tug boat	19-DEC-2020 06:07:01	803011.9	814360.9	22.16545	113.96448	0.5	19	ShipXY
DE YUAN	Tug boat	19-DEC-2020 06:13:00	803004.2	814355.8	22.16538	113.96443	0.1	217	ShipXY
DE YUAN	Tug boat	19-DEC-2020 06:22:02	803008.6	814360.9	22.16542	113.96448	0.5	245	ShipXY
DE YUAN	Tug boat	19-DEC-2020 06:27:59	803004.2	814355.8	22.16538	113.96443	0.2	29	ShipXY
DE YUAN	Tug boat	19-DEC-2020 06:33:51	803003.1	814345.4	22.16537	113.96433	0.5	36	ShipXY
DE YUAN	Tug boat	19-DEC-2020 06:42:48	803004.2	814337.2	22.16538	113.96425	0.5	59	ShipXY
DE YUAN	Tug boat	19-DEC-2020 06:49:02	803006.4	814347.5	22.1654	113.96435	0.1	112	ShipXY
DE YUAN	Tug boat	19-DEC-2020 06:54:53	803000.9	814344.4	22.16535	113.96432	0.2	219	ShipXY
DE YUAN	Tug boat	19-DEC-2020 07:01:02	803000.9	814337.2	22.16535	113.96425	0.5	251	ShipXY
DE YUAN	Tug boat	19-DEC-2020 07:09:55	803017.5	814323.8	22.1655	113.96412	0.3	23	ShipXY
DE YUAN	Tug boat	19-DEC-2020 07:12:51	803026.4	814321.8	22.16558	113.9641	0.4	55	ShipXY
DE YUAN	Tug boat	19-DEC-2020 07:22:02	803008.6	814337.2	22.16542	113.96425	0.1	101	ShipXY
DE YUAN	Tug boat	19-DEC-2020 07:27:44	803006.4	814352.7	22.1654	113.9644	0.4	313	ShipXY
DE YUAN	Tug boat	19-DEC-2020 07:39:45	803000.9	814339.3	22.16535	113.96427	0.3	60	ShipXY
DE YUAN	Tug boat	19-DEC-2020 07:45:45	803000.9	814337.2	22.16535	113.96425	0.4	271	ShipXY
DE YUAN	Tug boat	19-DEC-2020 07:57:57	803006.4	814355.8	22.1654	113.96443	0.3	128	ShipXY
DE YUAN	Tug boat	19-DEC-2020 08:03:45	803006.4	814357.8	22.1654	113.96445	0.5	106	ShipXY
DE YUAN	Tug boat	19-DEC-2020 08:09:45	803015.2	814365.1	22.16548	113.96452	0.7	107	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	19-DEC-2020 08:12:44	803014.1	814366.1	22.16547	113.96453	0.6	268	ShipXY
DE YUAN	Tug boat	19-DEC-2020 08:18:50	803015.2	814360.9	22.16548	113.96448	0	30	ShipXY
DE YUAN	Tug boat	19-DEC-2020 08:27:45	803020.8	814347.5	22.16553	113.96435	0.4	326	ShipXY
DE YUAN	Tug boat	19-DEC-2020 08:30:51	803015.3	814342.4	22.16548	113.9643	0	148	ShipXY
DE YUAN	Tug boat	19-DEC-2020 08:39:45	803017.5	814334.1	22.1655	113.96422	0.3	154	ShipXY
DE YUAN	Tug boat	19-DEC-2020 08:42:50	803019.7	814332.1	22.16552	113.9642	0.2	230	ShipXY
DE YUAN	Tug boat	19-DEC-2020 08:46:03	803019.7	814330	22.16552	113.96418	0.1	313	ShipXY
DE YUAN	Tug boat	19-DEC-2020 08:57:45	803014.2	814332.1	22.16547	113.9642	0.2	301	ShipXY
DE YUAN	Tug boat	19-DEC-2020 09:04:03	803015.3	814334.1	22.16548	113.96422	0	259	ShipXY
DE YUAN	Tug boat	19-DEC-2020 09:15:53	803009.7	814337.2	22.16543	113.96425	0.2	133	ShipXY
DE YUAN	Tug boat	19-DEC-2020 09:22:04	803017.5	814334.1	22.1655	113.96422	0.1	295	ShipXY
DE YUAN	Tug boat	19-DEC-2020 09:30:45	803023	814319.7	22.16555	113.96408	0.3	315	ShipXY
DE YUAN	Tug boat	19-DEC-2020 09:39:45	803028.6	814323.8	22.1656	113.96412	0.4	128	ShipXY
DE YUAN	Tug boat	19-DEC-2020 09:45:45	803034.1	814314.6	22.16565	113.96403	0.3	307	ShipXY
DE YUAN	Tug boat	19-DEC-2020 09:51:45	803041.9	814318.7	22.16572	113.96407	0.4	152	ShipXY
DE YUAN	Tug boat	19-DEC-2020 09:57:51	803047.4	814314.6	22.16577	113.96403	0.1	343	ShipXY
DE YUAN	Tug boat	19-DEC-2020 10:09:56	803070.6	814327	22.16598	113.96415	0.4	174	ShipXY
DE YUAN	Tug boat	19-DEC-2020 10:15:45	803065.1	814324.9	22.16593	113.96413	0.3	350	ShipXY
DE YUAN	Tug boat	19-DEC-2020 10:21:44	803058.5	814314.6	22.16587	113.96403	0.5	198	ShipXY
DE YUAN	Tug boat	19-DEC-2020 10:24:51	803058.5	814314.6	22.16587	113.96403	0.1	321	ShipXY
DE YUAN	Tug boat	19-DEC-2020 10:33:45	803067.3	814330.1	22.16595	113.96418	0.3	78	ShipXY
DE YUAN	Tug boat	19-DEC-2020 10:36:50	803067.3	814329	22.16595	113.96417	0	303	ShipXY
DE YUAN	Tug boat	19-DEC-2020 10:45:45	803067.3	814327	22.16595	113.96415	0	23	ShipXY
DE YUAN	Tug boat	19-DEC-2020 10:51:45	803070.6	814329	22.16598	113.96417	0.3	161	ShipXY
DE YUAN	Tug boat	19-DEC-2020 10:57:51	803070.6	814327	22.16598	113.96415	0.7	210	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:03:50	803072.9	814327	22.166	113.96415	0.5	174	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:09:46	803072.9	814324.9	22.166	113.96413	0.7	200	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:15:51	803072.9	814327	22.166	113.96415	0.8	31	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:21:53	803069.5	814318.7	22.16597	113.96407	0.3	223	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:27:45	803070.6	814323.9	22.16598	113.96412	0.5	172	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:33:45	803072.9	814330.1	22.166	113.96418	0.4	186	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:36:45	803070.6	814329	22.16598	113.96417	0.3	4	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:45:51	803067.3	814318.7	22.16595	113.96407	0.2	212	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:51:45	803058.5	814316.6	22.16587	113.96405	0.4	20	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:54:51	803052.9	814313.5	22.16582	113.96402	0.2	291	ShipXY
DE YUAN	Tug boat	19-DEC-2020 11:58:03	803050.7	814313.5	22.1658	113.96402	0.1	221	ShipXY
DE YUAN	Tug boat	19-DEC-2020 12:09:56	803041.9	814319.7	22.16572	113.96408	0.1	43	ShipXY
DE YUAN	Tug boat	19-DEC-2020 12:15:56	803036.3	814313.5	22.16567	113.96402	0.5	340	ShipXY
DE YUAN	Tug boat	19-DEC-2020 12:21:59	803034.1	814316.6	22.16565	113.96405	0.4	146	ShipXY
DE YUAN	Tug boat	19-DEC-2020 12:24:58	803031.9	814318.7	22.16563	113.96407	0.1	2	ShipXY
DE YUAN	Tug boat	19-DEC-2020 12:30:45	803026.4	814323.8	22.16558	113.96412	0.3	24	ShipXY
DE YUAN	Tug boat	19-DEC-2020 12:39:45	803026.4	814318.7	22.16558	113.96407	0.7	157	ShipXY
DE YUAN	Tug boat	19-DEC-2020 12:42:59	803028.6	814318.7	22.1656	113.96407	0.2	8	ShipXY
DE YUAN	Tug boat	19-DEC-2020 12:57:44	803019.7	814321.8	22.16552	113.9641	0.2	52	ShipXY
DE YUAN	Tug boat	19-DEC-2020 13:00:45	803011.9	814329	22.16545	113.96417	0.4	122	ShipXY
DE YUAN	Tug boat	19-DEC-2020 13:06:58	803006.4	814342.4	22.1654	113.9643	0.3	350	ShipXY
DE YUAN	Tug boat	19-DEC-2020 13:12:51	803008.6	814350.6	22.16542	113.96438	0.1	23	ShipXY
DE YUAN	Tug boat	19-DEC-2020 13:21:57	803015.2	814365.1	22.16548	113.96452	0.3	327	ShipXY
DE YUAN	Tug boat	19-DEC-2020 13:27:56	803008.6	814357.8	22.16542	113.96445	0.3	316	ShipXY
DE YUAN	Tug boat	19-DEC-2020 13:33:51	803009.7	814365.1	22.16543	113.96452	0.1	139	ShipXY
DE YUAN	Tug boat	19-DEC-2020 13:39:50	803014.1	814373.3	22.16547	113.9646	0.8	297	ShipXY
DE YUAN	Tug boat	19-DEC-2020 13:45:52	803009.7	814370.2	22.16543	113.96457	0.1	339	ShipXY
DE YUAN	Tug boat	19-DEC-2020 13:51:51	803011.9	814366.1	22.16545	113.96453	0.7	302	ShipXY
DE YUAN	Tug boat	19-DEC-2020 13:57:56	803009.7	814366.1	22.16543	113.96453	0.4	141	ShipXY
DE YUAN	Tug boat	19-DEC-2020 14:03:45	803011.9	814368.2	22.16545	113.96455	0.6	116	ShipXY
DE YUAN	Tug boat	19-DEC-2020 14:06:52	803008.6	814368.1	22.16542	113.96455	0.3	144	ShipXY
DE YUAN	Tug boat	19-DEC-2020 14:15:51	803014.1	814373.3	22.16547	113.9646	0.1	83	ShipXY
DE YUAN	Tug boat	19-DEC-2020 14:18:45	803009.7	814371.2	22.16543	113.96458	0.3	279	ShipXY
DE YUAN	Tug boat	19-DEC-2020 14:27:55	803008.6	814370.2	22.16542	113.96457	0	289	ShipXY
DE YUAN	Tug boat	19-DEC-2020 14:33:45	803011.9	814380.5	22.16545	113.96467	0.5	85	ShipXY
DE YUAN	Tug boat	19-DEC-2020 14:39:46	803014.1	814383.6	22.16547	113.9647	0.4	108	ShipXY
DE YUAN	Tug boat	19-DEC-2020 14:45:45	803011.9	814375.4	22.16545	113.96462	0.4	55	ShipXY
DE YUAN	Tug boat	19-DEC-2020 14:48:51	803004.1	814371.2	22.16538	113.96458	0.3	269	ShipXY
DE YUAN	Tug boat	19-DEC-2020 14:57:51	803011.9	814388.8	22.16545	113.96475	0.5	303	ShipXY
DE YUAN	Tug boat	19-DEC-2020 15:00:45	803017.4	814383.6	22.1655	113.9647	0.9	247	ShipXY
DE YUAN	Tug boat	19-DEC-2020 15:06:57	803008.6	814354.7	22.16542	113.96442	0.3	240	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	19-DEC-2020 15:12:58	803014.1	814360.9	22.16547	113.96448	0.3	335	ShipXY
DE YUAN	Tug boat	19-DEC-2020 15:18:45	803008.6	814363	22.16542	113.9645	0.5	279	ShipXY
DE YUAN	Tug boat	19-DEC-2020 15:25:02	803006.4	814365.1	22.1654	113.96452	1.1	109	ShipXY
DE YUAN	Tug boat	19-DEC-2020 15:34:01	803004.2	814363	22.16538	113.9645	0.5	281	ShipXY
DE YUAN	Tug boat	19-DEC-2020 15:39:51	803008.6	814373.3	22.16542	113.9646	0.9	117	ShipXY
DE YUAN	Tug boat	19-DEC-2020 15:45:51	803004.1	814368.1	22.16538	113.96455	0.1	61	ShipXY
DE YUAN	Tug boat	19-DEC-2020 15:51:45	803008.6	814376.4	22.16542	113.96463	0.7	114	ShipXY
DE YUAN	Tug boat	19-DEC-2020 15:54:53	803009.7	814380.5	22.16543	113.96467	1.4	105	ShipXY
DE YUAN	Tug boat	19-DEC-2020 16:00:45	803015.2	814383.6	22.16548	113.9647	0.8	97	ShipXY
DE YUAN	Tug boat	19-DEC-2020 16:10:00	803015.2	814373.3	22.16548	113.9646	0.1	109	ShipXY
DE YUAN	Tug boat	19-DEC-2020 16:10:02	803015.2	814373.3	22.16548	113.9646	0.1	109	ShipXY
DE YUAN	Tug boat	19-DEC-2020 16:18:45	803017.5	814349.6	22.1655	113.96437	0.3	135	ShipXY
DE YUAN	Tug boat	19-DEC-2020 16:27:55	803011.9	814345.5	22.16545	113.96433	0.4	354	ShipXY
DE YUAN	Tug boat	19-DEC-2020 16:33:55	803006.4	814368.1	22.1654	113.96455	0.1	64	ShipXY
DE YUAN	Tug boat	19-DEC-2020 16:36:45	803011.9	814371.2	22.16545	113.96458	0.4	105	ShipXY
DE YUAN	Tug boat	19-DEC-2020 16:45:54	803004.2	814350.6	22.16538	113.96438	0.2	101	ShipXY
DE YUAN	Tug boat	19-DEC-2020 16:52:02	803009.7	814370.2	22.16543	113.96457	0.4	132	ShipXY
DE YUAN	Tug boat	19-DEC-2020 16:58:01	803008.6	814365.1	22.16542	113.96452	0.1	359	ShipXY
DE YUAN	Tug boat	19-DEC-2020 17:03:45	803014.1	814345.5	22.16547	113.96433	1.2	302	ShipXY
DE YUAN	Tug boat	19-DEC-2020 17:09:45	803015.2	814345.5	22.16548	113.96433	0.3	143	ShipXY
DE YUAN	Tug boat	19-DEC-2020 17:15:53	803008.6	814349.6	22.16542	113.96437	0.2	224	ShipXY
DE YUAN	Tug boat	19-DEC-2020 17:21:45	803009.7	814345.5	22.16543	113.96433	0.4	147	ShipXY
DE YUAN	Tug boat	19-DEC-2020 17:24:58	803014.1	814347.5	22.16547	113.96435	0.9	125	ShipXY
DE YUAN	Tug boat	19-DEC-2020 17:33:45	803008.6	814354.7	22.16542	113.96442	1.5	293	ShipXY
DE YUAN	Tug boat	19-DEC-2020 17:39:52	803006.4	814357.8	22.1654	113.96445	0.9	315	ShipXY
DE YUAN	Tug boat	19-DEC-2020 17:42:56	803008.6	814363	22.16542	113.9645	0.1	180	ShipXY
DE YUAN	Tug boat	19-DEC-2020 17:51:45	803008.6	814355.8	22.16542	113.96443	0.4	127	ShipXY
DE YUAN	Tug boat	19-DEC-2020 17:51:50	803008.6	814355.8	22.16542	113.96443	0.4	127	ShipXY
DE YUAN	Tug boat	19-DEC-2020 18:03:52	803004.2	814350.6	22.16538	113.96438	0.3	13	ShipXY
DE YUAN	Tug boat	19-DEC-2020 18:07:02	803014.2	814330	22.16547	113.96418	1.7	272	ShipXY
DE YUAN	Tug boat	19-DEC-2020 18:16:03	803008.6	814345.5	22.16542	113.96433	0.5	144	ShipXY
DE YUAN	Tug boat	19-DEC-2020 18:21:45	803004.2	814355.8	22.16538	113.96443	0.3	147	ShipXY
DE YUAN	Tug boat	19-DEC-2020 18:27:45	803003.1	814340.3	22.16537	113.96428	0.5	282	ShipXY
DE YUAN	Tug boat	19-DEC-2020 18:30:57	803009.7	814329	22.16543	113.96417	0.2	123	ShipXY
DE YUAN	Tug boat	19-DEC-2020 18:39:57	803003.1	814350.6	22.16537	113.96438	0.4	307	ShipXY
DE YUAN	Tug boat	19-DEC-2020 18:42:45	803004.2	814347.5	22.16538	113.96435	0.3	249	ShipXY
DE YUAN	Tug boat	19-DEC-2020 18:51:45	803015.3	814316.6	22.16548	113.96405	0.8	137	ShipXY
DE YUAN	Tug boat	19-DEC-2020 18:57:45	803003.1	814332	22.16537	113.9642	0.3	315	ShipXY
DE YUAN	Tug boat	19-DEC-2020 19:03:51	803003.1	814330	22.16537	113.96418	0.1	104	ShipXY
DE YUAN	Tug boat	19-DEC-2020 19:09:55	803003.1	814335.1	22.16537	113.96423	1.1	312	ShipXY
DE YUAN	Tug boat	19-DEC-2020 19:12:44	803004.2	814337.2	22.16538	113.96425	0.1	297	ShipXY
DE YUAN	Tug boat	19-DEC-2020 19:18:56	803004.2	814321.7	22.16538	113.9641	0.1	9	ShipXY
DE YUAN	Tug boat	19-DEC-2020 19:27:56	803000.9	814328.9	22.16535	113.96417	0.1	309	ShipXY
DE YUAN	Tug boat	19-DEC-2020 19:33:44	803008.6	814318.6	22.16542	113.96407	0.8	4	ShipXY
DE YUAN	Tug boat	19-DEC-2020 19:33:55	803008.6	814318.6	22.16542	113.96407	0.8	4	ShipXY
DE YUAN	Tug boat	19-DEC-2020 19:46:01	803020.9	814299.1	22.16553	113.96388	0.3	183	ShipXY
DE YUAN	Tug boat	19-DEC-2020 19:48:44	803008.6	814318.6	22.16542	113.96407	0.4	111	ShipXY
DE YUAN	Tug boat	19-DEC-2020 19:55:02	802998.7	814323.8	22.16533	113.96412	0.3	160	ShipXY
DE YUAN	Tug boat	19-DEC-2020 20:00:59	803004.2	814319.7	22.16538	113.96408	0.3	357	ShipXY
DE YUAN	Tug boat	19-DEC-2020 20:09:59	802998.7	814323.8	22.16533	113.96412	0.6	128	ShipXY
DE YUAN	Tug boat	19-DEC-2020 20:12:54	803009.8	814311.4	22.16543	113.964	1.4	304	ShipXY
DE YUAN	Tug boat	19-DEC-2020 20:21:44	802997.5	814335.1	22.16532	113.96423	0.4	139	ShipXY
DE YUAN	Tug boat	19-DEC-2020 20:27:45	803006.4	814313.5	22.1654	113.96402	0.3	128	ShipXY
DE YUAN	Tug boat	19-DEC-2020 20:30:53	803000.9	814340.3	22.16535	113.96428	0.4	121	ShipXY
DE YUAN	Tug boat	19-DEC-2020 20:40:01	803019.7	814303.2	22.16552	113.96392	1	135	ShipXY
DE YUAN	Tug boat	19-DEC-2020 20:42:45	803006.4	814321.7	22.1654	113.9641	0.5	23	ShipXY
DE YUAN	Tug boat	19-DEC-2020 20:49:00	802997.5	814335.1	22.16532	113.96423	0.3	317	ShipXY
DE YUAN	Tug boat	19-DEC-2020 20:57:44	802995.3	814340.3	22.1653	113.96428	0.6	130	ShipXY
DE YUAN	Tug boat	19-DEC-2020 21:03:45	802993.1	814337.2	22.16528	113.96425	0.4	108	ShipXY
DE YUAN	Tug boat	19-DEC-2020 21:07:03	802995.3	814347.5	22.1653	113.96435	0.2	122	ShipXY
DE YUAN	Tug boat	19-DEC-2020 21:15:57	802993.1	814354.7	22.16528	113.96442	0.1	320	ShipXY
DE YUAN	Tug boat	19-DEC-2020 21:21:44	802993.1	814357.8	22.16528	113.96445	0.8	298	ShipXY
DE YUAN	Tug boat	19-DEC-2020 21:24:49	802992	814352.7	22.16527	113.9644	0.3	314	ShipXY
DE YUAN	Tug boat	19-DEC-2020 21:34:03	802993.1	814355.7	22.16528	113.96443	0.4	270	ShipXY
DE YUAN	Tug boat	19-DEC-2020 21:40:00	802993.1	814357.8	22.16528	113.96445	1.6	130	ShipXY
DE YUAN	Tug boat	19-DEC-2020 21:43:03	802993.1	814355.7	22.16528	113.96443	0.1	127	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	19-DEC-2020 21:51:45	802995.3	814352.7	22.1653	113.9644	0.1	152	ShipXY
DE YUAN	Tug boat	19-DEC-2020 21:54:53	802995.3	814349.6	22.1653	113.96437	0.5	138	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:01:03	802997.5	814342.3	22.16532	113.9643	0.4	347	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:07:03	803000.9	814345.4	22.16535	113.96433	0.6	342	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:13:04	802998.7	814335.1	22.16533	113.96423	0.1	299	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:19:00	803019.7	814313.5	22.16552	113.96402	0.1	206	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:22:08	803012	814326.9	22.16545	113.96415	0.5	107	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:33:45	803017.5	814308.3	22.1655	113.96397	1	143	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:33:52	803017.5	814308.3	22.1655	113.96397	1	143	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:45:59	802993.1	814328.9	22.16528	113.96417	1	294	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:51:45	802993.1	814354.7	22.16528	113.96442	0.6	307	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:57:45	802998.7	814316.6	22.16533	113.96405	0.5	66	ShipXY
DE YUAN	Tug boat	19-DEC-2020 22:58:01	802998.7	814316.6	22.16533	113.96405	0.5	66	ShipXY
DE YUAN	Tug boat	19-DEC-2020 23:10:00	802992	814339.2	22.16527	113.96427	0.8	292	ShipXY
DE YUAN	Tug boat	19-DEC-2020 23:16:00	802995.3	814345.4	22.1653	113.96433	0.8	145	ShipXY
DE YUAN	Tug boat	19-DEC-2020 23:22:07	802992	814337.2	22.16527	113.96425	0.2	331	ShipXY
DE YUAN	Tug boat	19-DEC-2020 23:28:03	802993.1	814344.4	22.16528	113.96432	0.5	322	ShipXY
DE YUAN	Tug boat	19-DEC-2020 23:34:03	802993.1	814342.3	22.16528	113.9643	0.8	117	ShipXY
DE YUAN	Tug boat	19-DEC-2020 23:39:45	802993.1	814334.1	22.16528	113.96422	0.4	325	ShipXY
DE YUAN	Tug boat	19-DEC-2020 23:43:04	802993.1	814340.3	22.16528	113.96428	0.2	166	ShipXY
DE YUAN	Tug boat	19-DEC-2020 23:52:04	802993.1	814335.1	22.16528	113.96423	0.5	300	ShipXY
DE YUAN	Tug boat	19-DEC-2020 23:55:03	802995.3	814337.2	22.1653	113.96425	1.1	298	ShipXY
DE YUAN	Tug boat	20-DEC-2020 00:03:45	803006.4	814311.4	22.1654	113.964	0.7	314	ShipXY
DE YUAN	Tug boat	20-DEC-2020 00:06:52	803003.1	814328.9	22.16537	113.96417	0.7	348	ShipXY
DE YUAN	Tug boat	20-DEC-2020 00:15:46	802997.6	814321.7	22.16532	113.9641	0.2	35	ShipXY
DE YUAN	Tug boat	20-DEC-2020 00:21:52	802998.7	814330	22.16533	113.96418	0.4	128	ShipXY
DE YUAN	Tug boat	20-DEC-2020 00:28:05	802995.3	814337.2	22.1653	113.96425	0.9	148	ShipXY
DE YUAN	Tug boat	20-DEC-2020 00:31:05	802998.7	814330	22.16533	113.96418	0.6	318	ShipXY
DE YUAN	Tug boat	20-DEC-2020 00:39:45	803003.1	814323.8	22.16537	113.96412	0.3	41	ShipXY
DE YUAN	Tug boat	20-DEC-2020 00:43:05	803004.2	814324.8	22.16538	113.96413	0.6	334	ShipXY
DE YUAN	Tug boat	20-DEC-2020 00:49:06	803008.6	814319.7	22.16542	113.96408	0.5	259	ShipXY
DE YUAN	Tug boat	20-DEC-2020 00:55:04	803009.8	814314.5	22.16543	113.96403	0.9	143	ShipXY
DE YUAN	Tug boat	20-DEC-2020 01:01:04	803012	814311.4	22.16545	113.964	0.3	171	ShipXY
DE YUAN	Tug boat	20-DEC-2020 01:09:44	803006.4	814313.5	22.1654	113.96402	1.9	325	ShipXY
DE YUAN	Tug boat	20-DEC-2020 01:15:45	802998.7	814326.9	22.16533	113.96415	0.9	318	ShipXY
DE YUAN	Tug boat	20-DEC-2020 01:15:53	802998.7	814326.9	22.16533	113.96415	0.9	318	ShipXY
DE YUAN	Tug boat	20-DEC-2020 01:28:06	802989.8	814352.7	22.16525	113.9644	0.8	312	ShipXY
DE YUAN	Tug boat	20-DEC-2020 01:33:52	802989.8	814332	22.16525	113.9642	0.1	141	ShipXY
DE YUAN	Tug boat	20-DEC-2020 01:39:51	802993.1	814359.9	22.16528	113.96447	0.7	134	ShipXY
DE YUAN	Tug boat	20-DEC-2020 01:45:56	803015.3	814304.2	22.16548	113.96393	0.8	312	ShipXY
DE YUAN	Tug boat	20-DEC-2020 01:51:51	802986.5	814345.4	22.16522	113.96433	0	134	ShipXY
DE YUAN	Tug boat	20-DEC-2020 01:54:53	802982	814349.5	22.16518	113.96437	0.1	178	ShipXY
DE YUAN	Tug boat	20-DEC-2020 02:00:45	802989.8	814339.2	22.16525	113.96427	0.7	125	ShipXY
DE YUAN	Tug boat	20-DEC-2020 02:09:56	802984.3	814339.2	22.1652	113.96427	0.5	126	ShipXY
DE YUAN	Tug boat	20-DEC-2020 02:15:45	802986.4	814352.6	22.16522	113.9644	0.6	318	ShipXY
DE YUAN	Tug boat	20-DEC-2020 02:21:45	802989.8	814324.8	22.16525	113.96413	0.8	289	ShipXY
DE YUAN	Tug boat	20-DEC-2020 02:27:53	802986.5	814342.3	22.16522	113.9643	0.1	32	ShipXY
DE YUAN	Tug boat	20-DEC-2020 02:33:53	802978.7	814365	22.16515	113.96452	0.1	147	ShipXY
DE YUAN	Tug boat	20-DEC-2020 02:45:45	802980.9	814363	22.16517	113.9645	0.4	48	ShipXY
DE YUAN	Tug boat	20-DEC-2020 02:51:45	802980.9	814352.6	22.16517	113.9644	0.7	98	ShipXY
DE YUAN	Tug boat	20-DEC-2020 02:57:45	802984.2	814368.1	22.1652	113.96455	1	104	ShipXY
DE YUAN	Tug boat	20-DEC-2020 03:03:44	802997.6	814321.7	22.16532	113.9641	0.6	76	ShipXY
DE YUAN	Tug boat	20-DEC-2020 03:09:45	802980.9	814352.6	22.16517	113.9644	1.8	130	ShipXY
DE YUAN	Tug boat	20-DEC-2020 03:15:52	802976.4	814375.3	22.16513	113.96462	0.5	98	ShipXY
DE YUAN	Tug boat	20-DEC-2020 03:21:52	802987.5	814381.5	22.16523	113.96468	1.1	108	ShipXY
DE YUAN	Tug boat	20-DEC-2020 03:27:44	802978.7	814375.3	22.16515	113.96462	1.3	99	ShipXY
DE YUAN	Tug boat	20-DEC-2020 03:33:45	802982.1	814328.9	22.16518	113.96417	0.4	59	ShipXY
DE YUAN	Tug boat	20-DEC-2020 03:39:45	802970.9	814373.3	22.16508	113.9646	0.5	96	ShipXY
DE YUAN	Tug boat	20-DEC-2020 03:42:44	802975.3	814397	22.16512	113.96483	0.4	96	ShipXY
DE YUAN	Tug boat	20-DEC-2020 03:51:54	802975.4	814360.9	22.16512	113.96448	0.3	92	ShipXY
DE YUAN	Tug boat	20-DEC-2020 03:58:53	802976.4	814393.9	22.16513	113.9648	0.5	82	ShipXY
DE YUAN	Tug boat	20-DEC-2020 04:04:05	802970.9	814371.2	22.16508	113.96458	1.2	88	ShipXY
DE YUAN	Tug boat	20-DEC-2020 04:10:20	802981.9	814406.3	22.16518	113.96492	1.1	91	ShipXY
DE YUAN	Tug boat	20-DEC-2020 04:16:25	802970.9	814371.2	22.16508	113.96458	1.2	250	ShipXY
DE YUAN	Tug boat	20-DEC-2020 04:22:04	802976.5	814340.3	22.16513	113.96428	1.4	124	ShipXY
DE YUAN	Tug boat	20-DEC-2020 04:28:12	802975.3	814407.3	22.16512	113.96493	0.3	230	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	20-DEC-2020 04:34:22	802969.8	814354.7	22.16507	113.96442	0.2	133	ShipXY
DE YUAN	Tug boat	20-DEC-2020 04:40:20	802986.4	814417.6	22.16522	113.96503	0.3	81	ShipXY
DE YUAN	Tug boat	20-DEC-2020 04:46:05	802965.4	814375.3	22.16503	113.96462	0.4	329	ShipXY
DE YUAN	Tug boat	20-DEC-2020 04:51:44	802973.2	814335.1	22.1651	113.96423	0.5	77	ShipXY
DE YUAN	Tug boat	20-DEC-2020 04:59:05	802967.6	814397	22.16505	113.96483	0.7	272	ShipXY
DE YUAN	Tug boat	20-DEC-2020 05:02:23	802969.8	814360.9	22.16507	113.96448	0.3	14	ShipXY
DE YUAN	Tug boat	20-DEC-2020 05:11:42	802967.6	814397	22.16505	113.96483	2.8	283	ShipXY
DE YUAN	Tug boat	20-DEC-2020 05:15:04	802959.9	814365	22.16498	113.96452	0.9	254	ShipXY
DE YUAN	Tug boat	20-DEC-2020 05:23:15	802964.2	814401.1	22.16502	113.96487	0.5	305	ShipXY
DE YUAN	Tug boat	20-DEC-2020 05:27:24	802958.7	814391.8	22.16497	113.96478	1.1	245	ShipXY
DE YUAN	Tug boat	20-DEC-2020 05:35:46	802958.7	814370.1	22.16497	113.96457	0.7	349	ShipXY
DE YUAN	Tug boat	20-DEC-2020 05:40:20	802964.2	814421.7	22.16502	113.96507	0.5	137	ShipXY
DE YUAN	Tug boat	20-DEC-2020 05:43:05	802958.7	814386.6	22.16497	113.96473	1.1	235	ShipXY
DE YUAN	Tug boat	20-DEC-2020 05:52:25	802958.7	814375.3	22.16497	113.96462	1.2	285	ShipXY
DE YUAN	Tug boat	20-DEC-2020 05:58:34	802967.6	814349.5	22.16505	113.96437	0.7	261	ShipXY
DE YUAN	Tug boat	20-DEC-2020 06:04:37	802971	814329.9	22.16508	113.96418	1.5	124	ShipXY
DE YUAN	Tug boat	20-DEC-2020 06:07:35	802962	814388.7	22.165	113.96475	0.9	104	ShipXY
DE YUAN	Tug boat	20-DEC-2020 06:16:36	802975.4	814328.9	22.16512	113.96417	0.8	286	ShipXY
DE YUAN	Tug boat	20-DEC-2020 06:22:57	802958.7	814399	22.16497	113.96485	1.9	115	ShipXY
DE YUAN	Tug boat	20-DEC-2020 06:28:52	802975.4	814329.9	22.16512	113.96418	1.6	268	ShipXY
DE YUAN	Tug boat	20-DEC-2020 06:34:45	802954.3	814393.9	22.16493	113.9648	0.6	62	ShipXY
DE YUAN	Tug boat	20-DEC-2020 06:40:52	802956.6	814349.5	22.16495	113.96437	0.7	277	ShipXY
DE YUAN	Tug boat	20-DEC-2020 06:46:46	802954.3	814359.8	22.16493	113.96447	1	78	ShipXY
DE YUAN	Tug boat	20-DEC-2020 06:52:52	802951	814385.6	22.1649	113.96472	1.3	252	ShipXY
DE YUAN	Tug boat	20-DEC-2020 06:58:52	802962.1	814339.2	22.165	113.96427	1.9	286	ShipXY
DE YUAN	Tug boat	20-DEC-2020 07:02:03	802951	814381.5	22.1649	113.96468	0.9	352	ShipXY
DE YUAN	Tug boat	20-DEC-2020 07:10:52	802959.9	814340.2	22.16498	113.96428	0.9	70	ShipXY
DE YUAN	Tug boat	20-DEC-2020 07:16:46	802951	814376.3	22.1649	113.96463	0.5	27	ShipXY
DE YUAN	Tug boat	20-DEC-2020 07:22:44	802954.3	814352.6	22.16493	113.9644	1.6	260	ShipXY
DE YUAN	Tug boat	20-DEC-2020 07:23:05	802954.3	814352.6	22.16493	113.9644	1.6	260	ShipXY
DE YUAN	Tug boat	20-DEC-2020 07:34:44	802945.5	814368.1	22.16485	113.96455	0.6	335	ShipXY
DE YUAN	Tug boat	20-DEC-2020 07:39:12	802971	814318.6	22.16508	113.96407	1.1	148	ShipXY
DE YUAN	Tug boat	20-DEC-2020 07:47:45	802958.8	814339.2	22.16497	113.96427	0.6	23	ShipXY
DE YUAN	Tug boat	20-DEC-2020 07:50:46	802978.8	814313.4	22.16515	113.96402	1.2	132	ShipXY
DE YUAN	Tug boat	20-DEC-2020 07:59:53	802956.6	814340.2	22.16495	113.96428	2.3	61	ShipXY
DE YUAN	Tug boat	20-DEC-2020 08:03:06	802978.7	814318.6	22.16515	113.96407	1.6	131	ShipXY
DE YUAN	Tug boat	20-DEC-2020 08:09:26	802947.7	814368.1	22.16487	113.96455	1	118	ShipXY
DE YUAN	Tug boat	20-DEC-2020 08:17:01	802971	814321.7	22.16508	113.9641	1.1	296	ShipXY
DE YUAN	Tug boat	20-DEC-2020 08:18:53	802962.1	814339.2	22.165	113.96427	1.4	11	ShipXY
DE YUAN	Tug boat	20-DEC-2020 08:27:53	802953.2	814386.6	22.16492	113.96473	0.8	122	ShipXY
DE YUAN	Tug boat	20-DEC-2020 08:35:42	802958.8	814337.1	22.16497	113.96425	1.6	271	ShipXY
DE YUAN	Tug boat	20-DEC-2020 08:40:13	802964.3	814337.1	22.16502	113.96425	0.7	155	ShipXY
DE YUAN	Tug boat	20-DEC-2020 08:46:06	802951	814391.8	22.1649	113.96478	0.9	116	ShipXY
DE YUAN	Tug boat	20-DEC-2020 08:53:40	802975.4	814321.7	22.16512	113.9641	0.5	103	ShipXY
DE YUAN	Tug boat	20-DEC-2020 08:58:26	802956.6	814350.5	22.16495	113.96438	1.3	152	ShipXY
DE YUAN	Tug boat	20-DEC-2020 09:04:33	802939.9	814370.1	22.1648	113.96457	1.4	292	ShipXY
DE YUAN	Tug boat	20-DEC-2020 09:11:03	802981	814314.5	22.16517	113.96403	1.9	285	ShipXY
DE YUAN	Tug boat	20-DEC-2020 09:16:45	802951	814357.8	22.1649	113.96445	1.9	146	ShipXY
DE YUAN	Tug boat	20-DEC-2020 09:22:46	802947.7	814375.3	22.16487	113.96462	1.1	282	ShipXY
DE YUAN	Tug boat	20-DEC-2020 09:29:10	802971	814321.7	22.16508	113.9641	1.6	139	ShipXY
DE YUAN	Tug boat	20-DEC-2020 09:32:25	802953.2	814360.9	22.16492	113.96448	0.6	123	ShipXY
DE YUAN	Tug boat	20-DEC-2020 09:41:47	802948.8	814368.1	22.16488	113.96455	1.9	130	ShipXY
DE YUAN	Tug boat	20-DEC-2020 09:47:53	802951	814381.5	22.1649	113.96468	0.1	92	ShipXY
DE YUAN	Tug boat	20-DEC-2020 09:53:56	802969.9	814323.7	22.16507	113.96412	1.7	289	ShipXY
DE YUAN	Tug boat	20-DEC-2020 09:55:59	802967.7	814324.8	22.16505	113.96413	0.6	75	ShipXY
DE YUAN	Tug boat	20-DEC-2020 10:03:05	802947.7	814366	22.16487	113.96453	0.7	291	ShipXY
DE YUAN	Tug boat	20-DEC-2020 10:09:26	802971	814321.7	22.16508	113.9641	0.5	114	ShipXY
DE YUAN	Tug boat	20-DEC-2020 10:15:42	802951	814370.1	22.1649	113.96457	0.9	115	ShipXY
DE YUAN	Tug boat	20-DEC-2020 10:22:05	802951	814370.1	22.1649	113.96457	0.5	153	ShipXY
DE YUAN	Tug boat	20-DEC-2020 10:27:45	802948.8	814373.2	22.16488	113.9646	1.1	295	ShipXY
DE YUAN	Tug boat	20-DEC-2020 10:33:54	802951	814362.9	22.1649	113.9645	0.1	35	ShipXY
DE YUAN	Tug boat	20-DEC-2020 10:39:46	802948.8	814383.5	22.16488	113.9647	0.5	139	ShipXY
DE YUAN	Tug boat	20-DEC-2020 10:49:07	802982.1	814309.3	22.16518	113.96398	1.3	163	ShipXY
DE YUAN	Tug boat	20-DEC-2020 10:57:53	802951	814366	22.1649	113.96453	1.1	138	ShipXY
DE YUAN	Tug boat	20-DEC-2020 11:04:01	802973.2	814324.8	22.1651	113.96413	0.7	325	ShipXY
DE YUAN	Tug boat	20-DEC-2020 11:07:01	802971	814329.9	22.16508	113.96418	0.6	10	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	20-DEC-2020 11:17:59	802978.7	814314.5	22.16515	113.96403	1.1	144	ShipXY
DE YUAN	Tug boat	20-DEC-2020 11:19:26	802975.4	814324.8	22.16512	113.96413	0.5	61	ShipXY
DE YUAN	Tug boat	20-DEC-2020 11:28:43	802962.1	814329.9	22.165	113.96418	0.5	140	ShipXY
DE YUAN	Tug boat	20-DEC-2020 11:31:45	802964.3	814347.5	22.16502	113.96435	0.5	17	ShipXY
DE YUAN	Tug boat	20-DEC-2020 11:34:39	802958.8	814357.8	22.16497	113.96445	1.1	337	ShipXY
DE YUAN	Tug boat	20-DEC-2020 11:43:26	802962.1	814347.5	22.165	113.96435	0.6	120	ShipXY
DE YUAN	Tug boat	20-DEC-2020 11:49:27	802959.9	814347.5	22.16498	113.96435	1.2	127	ShipXY
DE YUAN	Tug boat	20-DEC-2020 11:55:25	802956.5	814366	22.16495	113.96453	1.2	329	ShipXY
DE YUAN	Tug boat	20-DEC-2020 12:07:26	802958.8	814352.6	22.16497	113.9644	0.8	129	ShipXY
DE YUAN	Tug boat	20-DEC-2020 12:16:46	802954.3	814350.5	22.16493	113.96438	0.6	119	ShipXY
DE YUAN	Tug boat	20-DEC-2020 12:19:26	802962.1	814334	22.165	113.96422	0.5	144	ShipXY
DE YUAN	Tug boat	20-DEC-2020 12:25:33	802958.8	814354.7	22.16497	113.96442	0.3	265	ShipXY
DE YUAN	Tug boat	20-DEC-2020 12:34:43	802967.6	814335.1	22.16505	113.96423	0.3	60	ShipXY
DE YUAN	Tug boat	20-DEC-2020 12:40:43	802971	814323.7	22.16508	113.96412	0.3	15	ShipXY
DE YUAN	Tug boat	20-DEC-2020 12:43:26	802973.2	814329.9	22.1651	113.96418	0.4	279	ShipXY
DE YUAN	Tug boat	20-DEC-2020 12:52:26	802973.2	814324.8	22.1651	113.96413	1.4	167	ShipXY
DE YUAN	Tug boat	20-DEC-2020 12:52:48	802973.2	814324.8	22.1651	113.96413	1.4	167	ShipXY
DE YUAN	Tug boat	20-DEC-2020 13:04:43	802967.7	814328.9	22.16505	113.96417	0.9	144	ShipXY
DE YUAN	Tug boat	20-DEC-2020 13:07:26	802965.4	814328.9	22.16503	113.96417	0.5	333	ShipXY
DE YUAN	Tug boat	20-DEC-2020 13:16:45	802969.9	814324.8	22.16507	113.96413	1.5	316	ShipXY
DE YUAN	Tug boat	20-DEC-2020 13:19:26	802986.5	814318.6	22.16522	113.96407	0.7	324	ShipXY
DE YUAN	Tug boat	20-DEC-2020 13:28:26	802997.6	814316.6	22.16532	113.96405	0.8	191	ShipXY
DE YUAN	Tug boat	20-DEC-2020 13:31:34	803003.1	814313.5	22.16537	113.96402	0.7	0	ShipXY
DE YUAN	Tug boat	20-DEC-2020 13:37:26	803006.4	814314.5	22.1654	113.96403	0.3	204	ShipXY
DE YUAN	Tug boat	20-DEC-2020 13:43:26	803006.4	814311.4	22.1654	113.964	1.3	165	ShipXY
DE YUAN	Tug boat	20-DEC-2020 13:46:33	803009.8	814313.5	22.16543	113.96402	0.3	127	ShipXY
DE YUAN	Tug boat	20-DEC-2020 13:58:26	803012	814309.4	22.16545	113.96398	0.9	169	ShipXY
DE YUAN	Tug boat	20-DEC-2020 14:01:35	803004.2	814311.4	22.16538	113.964	0.6	12	ShipXY
DE YUAN	Tug boat	20-DEC-2020 14:10:34	802997.6	814308.3	22.16532	113.96397	0.2	333	ShipXY
DE YUAN	Tug boat	20-DEC-2020 14:22:26	802998.7	814311.4	22.16533	113.964	0.8	356	ShipXY
DE YUAN	Tug boat	20-DEC-2020 14:25:26	803003.1	814306.3	22.16537	113.96395	0.6	346	ShipXY
DE YUAN	Tug boat	20-DEC-2020 14:34:35	803003.1	814313.5	22.16537	113.96402	0.8	15	ShipXY
DE YUAN	Tug boat	20-DEC-2020 14:37:53	802997.6	814311.4	22.16532	113.964	1.3	173	ShipXY
DE YUAN	Tug boat	20-DEC-2020 14:52:27	803004.2	814309.4	22.16538	113.96398	0.7	353	ShipXY
DE YUAN	Tug boat	20-DEC-2020 14:58:27	803003.1	814308.3	22.16537	113.96397	0.5	128	ShipXY
DE YUAN	Tug boat	20-DEC-2020 15:01:34	803009.8	814311.4	22.16543	113.964	0.7	5	ShipXY
DE YUAN	Tug boat	20-DEC-2020 15:10:35	803006.4	814314.5	22.1654	113.96403	0.3	183	ShipXY
DE YUAN	Tug boat	20-DEC-2020 15:13:34	802998.7	814314.5	22.16533	113.96403	0.6	333	ShipXY
DE YUAN	Tug boat	20-DEC-2020 15:22:34	802998.7	814314.5	22.16533	113.96403	0.4	205	ShipXY
DE YUAN	Tug boat	20-DEC-2020 15:28:34	803006.4	814316.6	22.1654	113.96405	0.9	344	ShipXY
DE YUAN	Tug boat	20-DEC-2020 15:34:26	803009.8	814311.4	22.16543	113.964	0.8	177	ShipXY
DE YUAN	Tug boat	20-DEC-2020 15:37:34	803014.2	814316.6	22.16547	113.96405	0.6	184	ShipXY
DE YUAN	Tug boat	20-DEC-2020 15:46:34	803023	814313.5	22.16555	113.96402	0.5	351	ShipXY
DE YUAN	Tug boat	20-DEC-2020 15:49:37	803025.3	814316.6	22.16557	113.96405	0.6	24	ShipXY
DE YUAN	Tug boat	20-DEC-2020 15:58:26	803026.4	814316.6	22.16558	113.96405	0.5	187	ShipXY
DE YUAN	Tug boat	20-DEC-2020 16:01:26	803031.9	814316.6	22.16563	113.96405	0.9	208	ShipXY
DE YUAN	Tug boat	20-DEC-2020 16:10:34	803015.3	814314.5	22.16548	113.96403	1.1	359	ShipXY
DE YUAN	Tug boat	20-DEC-2020 16:16:25	803020.8	814314.5	22.16553	113.96403	0.6	359	ShipXY
DE YUAN	Tug boat	20-DEC-2020 16:22:34	803025.3	814316.6	22.16557	113.96405	1.1	180	ShipXY
DE YUAN	Tug boat	20-DEC-2020 16:28:36	803020.8	814309.4	22.16553	113.96398	1.3	198	ShipXY
DE YUAN	Tug boat	20-DEC-2020 16:34:34	803020.8	814313.5	22.16553	113.96402	0.6	217	ShipXY
DE YUAN	Tug boat	20-DEC-2020 16:40:34	803000.9	814313.5	22.16535	113.96402	0.3	139	ShipXY
DE YUAN	Tug boat	20-DEC-2020 16:46:26	802993.1	814314.5	22.16528	113.96403	1.5	159	ShipXY
DE YUAN	Tug boat	20-DEC-2020 16:49:26	802995.4	814311.4	22.1653	113.964	1.2	185	ShipXY
DE YUAN	Tug boat	20-DEC-2020 16:58:26	802998.7	814314.5	22.16533	113.96403	0.9	166	ShipXY
DE YUAN	Tug boat	20-DEC-2020 17:04:47	802998.7	814314.5	22.16533	113.96403	0.1	165	ShipXY
DE YUAN	Tug boat	20-DEC-2020 17:10:26	802997.6	814316.6	22.16532	113.96405	0.9	24	ShipXY
DE YUAN	Tug boat	20-DEC-2020 17:16:34	803004.2	814313.5	22.16538	113.96402	0.8	170	ShipXY
DE YUAN	Tug boat	20-DEC-2020 17:22:34	803014.2	814309.4	22.16547	113.96398	0.4	10	ShipXY
DE YUAN	Tug boat	20-DEC-2020 17:28:26	803015.3	814311.4	22.16548	113.964	0.5	33	ShipXY
DE YUAN	Tug boat	20-DEC-2020 17:34:26	803004.2	814313.5	22.16538	113.96402	0.3	246	ShipXY
DE YUAN	Tug boat	20-DEC-2020 17:40:26	802997.6	814316.6	22.16532	113.96405	0.3	213	ShipXY
DE YUAN	Tug boat	20-DEC-2020 17:46:35	802997.6	814316.6	22.16532	113.96405	0.7	156	ShipXY
DE YUAN	Tug boat	20-DEC-2020 17:52:34	802997.6	814313.5	22.16532	113.96402	0.6	25	ShipXY
DE YUAN	Tug boat	20-DEC-2020 17:55:33	802995.4	814314.5	22.1653	113.96403	0.9	359	ShipXY
DE YUAN	Tug boat	20-DEC-2020 18:01:26	802989.8	814316.6	22.16525	113.96405	0.3	292	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	20-DEC-2020 18:10:34	802971	814326.8	22.16508	113.96415	0.4	340	ShipXY
DE YUAN	Tug boat	20-DEC-2020 18:16:25	802967.6	814342.3	22.16505	113.9643	0.7	178	ShipXY
DE YUAN	Tug boat	20-DEC-2020 18:16:39	802967.6	814342.3	22.16505	113.9643	0.7	178	ShipXY
DE YUAN	Tug boat	20-DEC-2020 18:28:26	802964.3	814344.4	22.16502	113.96432	0.6	170	ShipXY
DE YUAN	Tug boat	20-DEC-2020 18:34:26	802965.4	814342.3	22.16503	113.9643	0.4	168	ShipXY
DE YUAN	Tug boat	20-DEC-2020 18:40:27	802969.9	814335.1	22.16507	113.96423	0.7	307	ShipXY
DE YUAN	Tug boat	20-DEC-2020 18:46:26	802973.2	814326.8	22.1651	113.96415	0.3	133	ShipXY
DE YUAN	Tug boat	20-DEC-2020 18:46:49	802973.2	814326.8	22.1651	113.96415	0.3	133	ShipXY
DE YUAN	Tug boat	20-DEC-2020 18:58:26	802967.6	814337.1	22.16505	113.96425	0.4	145	ShipXY
DE YUAN	Tug boat	20-DEC-2020 19:04:26	802973.2	814319.6	22.1651	113.96408	0.4	140	ShipXY
DE YUAN	Tug boat	20-DEC-2020 19:10:26	802978.7	814323.8	22.16515	113.96412	1.1	173	ShipXY
DE YUAN	Tug boat	20-DEC-2020 19:16:38	802978.7	814319.6	22.16515	113.96408	0.1	2	ShipXY
DE YUAN	Tug boat	20-DEC-2020 19:22:26	802978.7	814316.5	22.16515	113.96405	0.3	289	ShipXY
DE YUAN	Tug boat	20-DEC-2020 19:28:26	802982.1	814319.6	22.16518	113.96408	0.9	184	ShipXY
DE YUAN	Tug boat	20-DEC-2020 19:31:36	802981	814319.6	22.16517	113.96408	0.6	181	ShipXY
DE YUAN	Tug boat	20-DEC-2020 19:40:28	802975.4	814323.8	22.16512	113.96412	1.5	343	ShipXY
DE YUAN	Tug boat	20-DEC-2020 19:46:26	802971	814321.7	22.16508	113.9641	0.7	160	ShipXY
DE YUAN	Tug boat	20-DEC-2020 19:55:25	802978.7	814318.6	22.16515	113.96407	0.7	186	ShipXY
DE YUAN	Tug boat	20-DEC-2020 20:04:26	802984.3	814319.6	22.1652	113.96408	0.6	193	ShipXY
DE YUAN	Tug boat	20-DEC-2020 20:07:39	802981	814321.7	22.16517	113.9641	0.6	245	ShipXY
DE YUAN	Tug boat	20-DEC-2020 20:16:27	802975.4	814323.8	22.16512	113.96412	0.5	347	ShipXY
DE YUAN	Tug boat	20-DEC-2020 20:22:34	802965.4	814328.9	22.16503	113.96417	0.3	103	ShipXY
DE YUAN	Tug boat	20-DEC-2020 20:28:31	802959.9	814335.1	22.16498	113.96423	0.9	175	ShipXY
DE YUAN	Tug boat	20-DEC-2020 20:34:26	802953.2	814354.7	22.16492	113.96442	1.4	327	ShipXY
DE YUAN	Tug boat	20-DEC-2020 20:40:28	802956.5	814355.7	22.16495	113.96443	0.5	289	ShipXY
DE YUAN	Tug boat	20-DEC-2020 20:46:26	802956.5	814352.6	22.16495	113.9644	1.5	144	ShipXY
DE YUAN	Tug boat	20-DEC-2020 20:52:34	802951	814360.8	22.1649	113.96448	2.2	329	ShipXY
DE YUAN	Tug boat	20-DEC-2020 20:58:35	802954.3	814352.6	22.16493	113.9644	0.4	110	ShipXY
DE YUAN	Tug boat	20-DEC-2020 21:01:40	802954.3	814352.6	22.16493	113.9644	0.8	144	ShipXY
DE YUAN	Tug boat	20-DEC-2020 21:10:26	802953.2	814354.7	22.16492	113.96442	0.4	170	ShipXY
DE YUAN	Tug boat	20-DEC-2020 21:16:27	802956.6	814347.4	22.16495	113.96435	0.4	120	ShipXY
DE YUAN	Tug boat	20-DEC-2020 21:22:27	802954.3	814350.5	22.16493	113.96438	1.2	314	ShipXY
DE YUAN	Tug boat	20-DEC-2020 21:25:34	802958.8	814347.5	22.16497	113.96435	1	329	ShipXY
DE YUAN	Tug boat	20-DEC-2020 21:31:38	802959.9	814347.5	22.16498	113.96435	0.3	262	ShipXY
DE YUAN	Tug boat	20-DEC-2020 21:38:39	802954.3	814354.7	22.16493	113.96442	0.9	302	ShipXY
DE YUAN	Tug boat	20-DEC-2020 21:43:31	802958.8	814347.5	22.16497	113.96435	1.4	152	ShipXY
DE YUAN	Tug boat	20-DEC-2020 21:58:26	802958.8	814355.7	22.16497	113.96443	0.5	166	ShipXY
DE YUAN	Tug boat	20-DEC-2020 22:07:38	802962.1	814344.4	22.165	113.96432	0.9	324	ShipXY
DE YUAN	Tug boat	20-DEC-2020 22:16:51	802965.4	814335.1	22.16503	113.96423	0.9	172	ShipXY
DE YUAN	Tug boat	20-DEC-2020 22:19:34	802965.4	814340.2	22.16503	113.96428	0.6	149	ShipXY
DE YUAN	Tug boat	20-DEC-2020 22:22:43	802962.1	814339.2	22.165	113.96427	0.6	174	ShipXY
DE YUAN	Tug boat	20-DEC-2020 22:31:48	802958.8	814344.4	22.16497	113.96432	0.8	150	ShipXY
DE YUAN	Tug boat	20-DEC-2020 22:40:26	802956.6	814345.4	22.16495	113.96433	0.4	323	ShipXY
DE YUAN	Tug boat	20-DEC-2020 22:46:39	802956.6	814349.5	22.16495	113.96437	0.7	122	ShipXY
DE YUAN	Tug boat	20-DEC-2020 22:52:26	802956.6	814342.3	22.16495	113.9643	0.4	166	ShipXY
DE YUAN	Tug boat	20-DEC-2020 22:56:37	802958.8	814344.4	22.16497	113.96432	0.4	51	ShipXY
DE YUAN	Tug boat	20-DEC-2020 23:01:35	802958.8	814342.3	22.16497	113.9643	0.2	296	ShipXY
DE YUAN	Tug boat	20-DEC-2020 23:10:26	802956.6	814349.5	22.16495	113.96437	0.9	160	ShipXY
DE YUAN	Tug boat	20-DEC-2020 23:16:26	802954.3	814354.7	22.16493	113.96442	0.6	207	ShipXY
DE YUAN	Tug boat	20-DEC-2020 23:22:26	802954.3	814359.8	22.16493	113.96447	1	337	ShipXY
DE YUAN	Tug boat	20-DEC-2020 23:25:29	802954.3	814359.8	22.16493	113.96447	0.4	259	ShipXY
DE YUAN	Tug boat	20-DEC-2020 23:34:26	802956.5	814352.6	22.16495	113.9644	0.3	104	ShipXY
DE YUAN	Tug boat	20-DEC-2020 23:37:49	802954.3	814352.6	22.16493	113.9644	1.8	149	ShipXY
DE YUAN	Tug boat	20-DEC-2020 23:46:27	802956.5	814355.7	22.16495	113.96443	0.9	349	ShipXY
DE YUAN	Tug boat	20-DEC-2020 23:52:35	802954.3	814347.4	22.16493	113.96435	0.3	323	ShipXY
DE YUAN	Tug boat	20-DEC-2020 23:52:48	802954.3	814347.4	22.16493	113.96435	0.3	323	ShipXY
DE YUAN	Tug boat	21-DEC-2020 00:01:27	802954.3	814347.4	22.16493	113.96435	1.3	324	ShipXY
DE YUAN	Tug boat	21-DEC-2020 00:07:26	802956.6	814349.5	22.16495	113.96437	0.6	147	ShipXY
DE YUAN	Tug boat	21-DEC-2020 00:16:26	802954.3	814355.7	22.16493	113.96443	0.3	159	ShipXY
DE YUAN	Tug boat	21-DEC-2020 00:19:36	802956.5	814352.6	22.16495	113.9644	2	152	ShipXY
DE YUAN	Tug boat	21-DEC-2020 00:28:34	802953.2	814354.7	22.16492	113.96442	0.9	319	ShipXY
DE YUAN	Tug boat	21-DEC-2020 00:34:35	802954.3	814350.5	22.16493	113.96438	1	136	ShipXY
DE YUAN	Tug boat	21-DEC-2020 00:40:27	802954.3	814354.7	22.16493	113.96442	0.7	161	ShipXY
DE YUAN	Tug boat	21-DEC-2020 00:46:36	802953.2	814350.5	22.16492	113.96438	0.1	356	ShipXY
DE YUAN	Tug boat	21-DEC-2020 00:49:26	802956.6	814349.5	22.16495	113.96437	1	159	ShipXY
DE YUAN	Tug boat	21-DEC-2020 00:58:30	802958.8	814345.4	22.16497	113.96433	1.1	344	ShipXY



**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	21-DEC-2020 01:04:26	802951	814350.5	22.1649	113.96438	0.3	118	ShipXY
DE YUAN	Tug boat	21-DEC-2020 01:10:27	802956.6	814345.4	22.16495	113.96433	1.1	123	ShipXY
DE YUAN	Tug boat	21-DEC-2020 01:16:27	802951	814359.8	22.1649	113.96447	1.1	318	ShipXY
DE YUAN	Tug boat	21-DEC-2020 01:22:26	802951	814357.8	22.1649	113.96445	1.2	153	ShipXY
DE YUAN	Tug boat	21-DEC-2020 01:25:26	802951	814357.8	22.1649	113.96445	0.7	329	ShipXY
DE YUAN	Tug boat	21-DEC-2020 01:34:26	802954.3	814355.7	22.16493	113.96443	0.4	316	ShipXY
DE YUAN	Tug boat	21-DEC-2020 01:40:36	802956.5	814355.7	22.16495	113.96443	0.7	167	ShipXY
DE YUAN	Tug boat	21-DEC-2020 01:46:27	802954.3	814347.4	22.16493	113.96435	0.9	143	ShipXY
DE YUAN	Tug boat	21-DEC-2020 01:52:26	802956.5	814354.7	22.16495	113.96442	0.6	325	ShipXY
DE YUAN	Tug boat	21-DEC-2020 01:58:39	802953.2	814349.5	22.16492	113.96437	0.9	125	ShipXY
DE YUAN	Tug boat	21-DEC-2020 02:01:27	802953.2	814349.5	22.16492	113.96437	0.5	131	ShipXY
DE YUAN	Tug boat	21-DEC-2020 02:10:26	802948.8	814359.8	22.16488	113.96447	0.5	10	ShipXY
DE YUAN	Tug boat	21-DEC-2020 02:13:34	802953.2	814368.1	22.16492	113.96455	0.6	165	ShipXY
DE YUAN	Tug boat	21-DEC-2020 02:19:26	802953.2	814347.4	22.16492	113.96435	0.8	135	ShipXY
DE YUAN	Tug boat	21-DEC-2020 02:25:26	802951	814357.8	22.1649	113.96445	0.6	141	ShipXY
DE YUAN	Tug boat	21-DEC-2020 02:34:28	802954.4	814340.2	22.16493	113.96428	0.4	4	ShipXY
DE YUAN	Tug boat	21-DEC-2020 02:40:41	802956.5	814359.8	22.16495	113.96447	0	123	ShipXY
DE YUAN	Tug boat	21-DEC-2020 02:46:26	802959.9	814335.1	22.16498	113.96423	0.8	98	ShipXY
DE YUAN	Tug boat	21-DEC-2020 02:49:27	802965.4	814332	22.16503	113.9642	0.3	89	ShipXY
DE YUAN	Tug boat	21-DEC-2020 02:58:27	802953.2	814344.3	22.16492	113.96432	0.7	148	ShipXY
DE YUAN	Tug boat	21-DEC-2020 03:05:14	802956.5	814355.7	22.16495	113.96443	0.1	317	ShipXY
DE YUAN	Tug boat	21-DEC-2020 03:11:47	802954.4	814337.1	22.16493	113.96425	0.7	117	ShipXY
DE YUAN	Tug boat	21-DEC-2020 03:15:14	802969.9	814323.7	22.16507	113.96412	0.4	106	ShipXY
DE YUAN	Tug boat	21-DEC-2020 03:18:06	802958.8	814350.5	22.16497	113.96438	0.4	71	ShipXY
DE YUAN	Tug boat	21-DEC-2020 03:29:40	802984.3	814311.4	22.1652	113.964	2.1	102	ShipXY
DE YUAN	Tug boat	21-DEC-2020 03:33:27	802959.9	814344.4	22.16498	113.96432	0.3	141	ShipXY
DE YUAN	Tug boat	21-DEC-2020 03:39:43	802947.7	814359.8	22.16487	113.96447	0.2	308	ShipXY
DE YUAN	Tug boat	21-DEC-2020 03:46:06	802969.9	814319.6	22.16507	113.96408	0.5	29	ShipXY
DE YUAN	Tug boat	21-DEC-2020 03:52:15	802947.7	814362.9	22.16487	113.9645	1.6	121	ShipXY
DE YUAN	Tug boat	21-DEC-2020 03:58:14	802958.8	814334	22.16497	113.96422	1.9	286	ShipXY
DE YUAN	Tug boat	21-DEC-2020 04:04:06	802958.8	814347.5	22.16497	113.96435	1.1	141	ShipXY
DE YUAN	Tug boat	21-DEC-2020 04:11:36	802962.1	814334	22.165	113.96422	1.4	72	ShipXY
DE YUAN	Tug boat	21-DEC-2020 04:17:31	802965.4	814335.1	22.16503	113.96423	0.8	345	ShipXY
DE YUAN	Tug boat	21-DEC-2020 04:23:36	802945.4	814375.3	22.16485	113.96462	0.9	310	ShipXY
DE YUAN	Tug boat	21-DEC-2020 04:28:35	802954.3	814349.5	22.16493	113.96437	1	266	ShipXY
DE YUAN	Tug boat	21-DEC-2020 04:33:56	802959.9	814335.1	22.16498	113.96423	1.2	338	ShipXY
DE YUAN	Tug boat	21-DEC-2020 04:39:57	802945.4	814380.4	22.16485	113.96467	0.6	290	ShipXY
DE YUAN	Tug boat	21-DEC-2020 04:47:19	802965.4	814342.3	22.16503	113.9643	0.7	278	ShipXY
DE YUAN	Tug boat	21-DEC-2020 04:53:37	802948.8	814370.1	22.16488	113.96457	0.9	329	ShipXY
DE YUAN	Tug boat	21-DEC-2020 04:59:38	802948.8	814386.6	22.16488	113.96473	1.7	301	ShipXY
DE YUAN	Tug boat	21-DEC-2020 05:05:28	802958.7	814388.7	22.16497	113.96475	0.4	254	ShipXY
DE YUAN	Tug boat	21-DEC-2020 05:11:47	802948.7	814388.7	22.16488	113.96475	1.3	92	ShipXY
DE YUAN	Tug boat	21-DEC-2020 05:15:30	802953.2	814390.8	22.16492	113.96477	1.8	90	ShipXY
DE YUAN	Tug boat	21-DEC-2020 05:28:27	802969.9	814340.2	22.16507	113.96428	0.7	96	ShipXY
DE YUAN	Tug boat	21-DEC-2020 05:35:45	802942.1	814395.9	22.16482	113.96482	1	304	ShipXY
DE YUAN	Tug boat	21-DEC-2020 05:41:16	802953.2	814357.8	22.16492	113.96445	0.4	25	ShipXY
DE YUAN	Tug boat	21-DEC-2020 05:45:31	802956.6	814347.4	22.16495	113.96435	2	107	ShipXY
DE YUAN	Tug boat	21-DEC-2020 05:52:53	802948.7	814409.3	22.16488	113.96495	1.1	303	ShipXY
DE YUAN	Tug boat	21-DEC-2020 05:57:47	802939.9	814385.6	22.1648	113.96472	0.6	359	ShipXY
DE YUAN	Tug boat	21-DEC-2020 06:05:56	802956.6	814340.2	22.16495	113.96428	0.4	140	ShipXY
DE YUAN	Tug boat	21-DEC-2020 06:11:27	802954.3	814406.2	22.16493	113.96492	1.1	286	ShipXY
DE YUAN	Tug boat	21-DEC-2020 06:16:16	802953.2	814407.3	22.16492	113.96493	0.1	202	ShipXY
DE YUAN	Tug boat	21-DEC-2020 06:22:47	802948.8	814376.3	22.16488	113.96463	0.3	8	ShipXY
DE YUAN	Tug boat	21-DEC-2020 06:28:38	802943.2	814380.4	22.16483	113.96467	0.9	342	ShipXY
DE YUAN	Tug boat	21-DEC-2020 06:35:07	802954.3	814402.1	22.16493	113.96488	0.3	237	ShipXY
DE YUAN	Tug boat	21-DEC-2020 06:41:07	802945.5	814370.1	22.16485	113.96457	2.3	257	ShipXY
DE YUAN	Tug boat	21-DEC-2020 06:47:17	802958.8	814342.3	22.16497	113.9643	0.3	71	ShipXY
DE YUAN	Tug boat	21-DEC-2020 06:53:31	802947.6	814402.1	22.16487	113.96488	2.7	295	ShipXY
DE YUAN	Tug boat	21-DEC-2020 06:55:22	802948.7	814411.4	22.16488	113.96497	0.3	262	ShipXY
DE YUAN	Tug boat	21-DEC-2020 07:03:29	802953.2	814357.8	22.16492	113.96445	2.3	251	ShipXY
DE YUAN	Tug boat	21-DEC-2020 07:11:34	802945.4	814383.5	22.16485	113.9647	0.4	123	ShipXY
DE YUAN	Tug boat	21-DEC-2020 07:17:33	802943.2	814393.8	22.16483	113.9648	1.9	251	ShipXY
DE YUAN	Tug boat	21-DEC-2020 07:23:35	802954.3	814357.8	22.16493	113.96445	0.6	299	ShipXY
DE YUAN	Tug boat	21-DEC-2020 07:27:11	802953.2	814368.1	22.16492	113.96455	0.5	292	ShipXY
DE YUAN	Tug boat	21-DEC-2020 07:34:54	802953.2	814401.1	22.16492	113.96487	2	276	ShipXY
DE YUAN	Tug boat	21-DEC-2020 07:40:53	802967.6	814376.3	22.16505	113.96463	1.5	261	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	21-DEC-2020 07:46:59	802964.3	814368.1	22.16502	113.96455	0.6	285	ShipXY
DE YUAN	Tug boat	21-DEC-2020 07:53:05	802953.2	814378.4	22.16492	113.96465	0.8	294	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:00:03	802953.2	814365	22.16492	113.96452	1	135	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:05:39	802971	814339.2	22.16508	113.96427	1.7	300	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:11:16	802971	814345.4	22.16508	113.96433	0.6	133	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:17:16	802965.4	814359.8	22.16503	113.96447	0.5	184	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:23:16	802959.9	814342.3	22.16498	113.9643	1.5	122	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:29:31	802967.6	814340.2	22.16505	113.96428	1.2	344	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:33:16	802975.4	814335.1	22.16512	113.96423	1.3	145	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:39:16	802969.9	814342.3	22.16507	113.9643	1.4	158	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:45:16	802967.6	814339.2	22.16505	113.96427	1.8	167	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:53:47	802948.8	814362.9	22.16488	113.9645	3.2	125	ShipXY
DE YUAN	Tug boat	21-DEC-2020 08:57:57	802958.8	814345.4	22.16497	113.96433	0.3	103	ShipXY
DE YUAN	Tug boat	21-DEC-2020 09:04:05	802953.2	814370.1	22.16492	113.96457	1.8	147	ShipXY
DE YUAN	Tug boat	21-DEC-2020 09:10:12	802953.2	814345.4	22.16492	113.96433	0.2	169	ShipXY
DE YUAN	Tug boat	21-DEC-2020 09:16:17	802951	814368.1	22.1649	113.96455	1.2	336	ShipXY
DE YUAN	Tug boat	21-DEC-2020 09:22:26	802947.7	814360.8	22.16487	113.96448	0.1	175	ShipXY
DE YUAN	Tug boat	21-DEC-2020 09:27:19	802954.3	814359.8	22.16493	113.96447	0.7	130	ShipXY
DE YUAN	Tug boat	21-DEC-2020 09:34:37	802956.5	814365	22.16495	113.96452	0.9	300	ShipXY
DE YUAN	Tug boat	21-DEC-2020 09:40:37	802973.2	814345.4	22.1651	113.96433	1.1	328	ShipXY
DE YUAN	Tug boat	21-DEC-2020 09:46:36	802982	814344.4	22.16518	113.96432	0.3	200	ShipXY
DE YUAN	Tug boat	21-DEC-2020 09:52:46	802977.5	814340.3	22.16532	113.96428	1.7	166	ShipXY
DE YUAN	Tug boat	21-DEC-2020 09:58:37	803004.2	814342.4	22.16538	113.9643	1.4	188	ShipXY
DE YUAN	Tug boat	21-DEC-2020 10:01:57	803000.9	814342.4	22.16535	113.9643	0.6	163	ShipXY
DE YUAN	Tug boat	21-DEC-2020 10:10:36	803000.9	814340.3	22.16535	113.96428	0.5	168	ShipXY
DE YUAN	Tug boat	21-DEC-2020 10:13:36	803003.1	814345.4	22.16537	113.96433	0.5	6	ShipXY
DE YUAN	Tug boat	21-DEC-2020 10:22:37	803000.9	814342.4	22.16535	113.9643	1.6	15	ShipXY
DE YUAN	Tug boat	21-DEC-2020 10:28:57	803009.7	814337.2	22.16543	113.96425	0.9	25	ShipXY
DE YUAN	Tug boat	21-DEC-2020 10:35:34	803009.7	814337.2	22.16543	113.96425	2.1	30	ShipXY
DE YUAN	Tug boat	21-DEC-2020 10:41:26	803015.3	814339.3	22.16548	113.96427	0.2	8	ShipXY
DE YUAN	Tug boat	21-DEC-2020 10:47:25	803011.9	814339.3	22.16545	113.96427	1.3	21	ShipXY
DE YUAN	Tug boat	21-DEC-2020 10:53:25	803015.3	814339.3	22.16548	113.96427	1	199	ShipXY
DE YUAN	Tug boat	21-DEC-2020 10:59:49	803020.8	814342.4	22.16553	113.9643	1.7	203	ShipXY
DE YUAN	Tug boat	21-DEC-2020 11:05:58	803015.3	814342.4	22.16548	113.9643	0.4	201	ShipXY
DE YUAN	Tug boat	21-DEC-2020 11:11:36	803014.1	814340.3	22.16547	113.96428	0.6	176	ShipXY
DE YUAN	Tug boat	21-DEC-2020 11:17:36	803014.1	814340.3	22.16547	113.96428	1.1	349	ShipXY
DE YUAN	Tug boat	21-DEC-2020 11:23:36	803015.3	814342.4	22.16548	113.9643	0.8	20	ShipXY
DE YUAN	Tug boat	21-DEC-2020 11:29:37	803015.3	814342.4	22.16548	113.9643	0.8	196	ShipXY
DE YUAN	Tug boat	21-DEC-2020 11:32:38	803014.1	814340.3	22.16547	113.96428	1.8	212	ShipXY
DE YUAN	Tug boat	21-DEC-2020 11:41:36	803015.3	814337.2	22.16548	113.96425	1	26	ShipXY
DE YUAN	Tug boat	21-DEC-2020 11:45:03	803014.1	814340.3	22.16547	113.96428	1.7	31	ShipXY
DE YUAN	Tug boat	21-DEC-2020 11:53:36	803015.3	814342.4	22.16548	113.9643	0.4	187	ShipXY
DE YUAN	Tug boat	21-DEC-2020 11:59:45	803023	814344.4	22.16555	113.96432	0.5	52	ShipXY
DE YUAN	Tug boat	21-DEC-2020 12:03:16	803028.5	814344.5	22.1656	113.96432	0.3	31	ShipXY
DE YUAN	Tug boat	21-DEC-2020 12:10:06	803025.2	814337.2	22.16557	113.96425	1.1	213	ShipXY
DE YUAN	Tug boat	21-DEC-2020 12:13:20	803025.2	814337.2	22.16557	113.96425	0.4	188	ShipXY
DE YUAN	Tug boat	21-DEC-2020 12:21:58	803028.5	814340.3	22.1656	113.96428	0.8	221	ShipXY
DE YUAN	Tug boat	21-DEC-2020 12:27:58	803025.2	814339.3	22.16557	113.96427	0.4	48	ShipXY
DE YUAN	Tug boat	21-DEC-2020 12:34:15	803025.2	814340.3	22.16557	113.96428	0.8	28	ShipXY
DE YUAN	Tug boat	21-DEC-2020 12:40:37	803025.2	814337.2	22.16557	113.96425	1.6	23	ShipXY
DE YUAN	Tug boat	21-DEC-2020 12:46:38	803026.3	814337.2	22.16558	113.96425	0.3	165	ShipXY
DE YUAN	Tug boat	21-DEC-2020 12:53:28	803031.9	814339.3	22.16563	113.96427	2.4	213	ShipXY
DE YUAN	Tug boat	21-DEC-2020 12:54:28	803028.5	814337.2	22.1656	113.96425	0.4	82	ShipXY
DE YUAN	Tug boat	21-DEC-2020 13:05:42	803034.1	814335.2	22.16565	113.96423	1	230	ShipXY
DE YUAN	Tug boat	21-DEC-2020 13:06:32	803036.3	814337.2	22.16567	113.96425	1.8	220	ShipXY
DE YUAN	Tug boat	21-DEC-2020 13:15:20	803037.4	814340.3	22.16568	113.96428	1.2	26	ShipXY
DE YUAN	Tug boat	21-DEC-2020 13:21:20	803031.9	814339.3	22.16563	113.96427	0.6	220	ShipXY
DE YUAN	Tug boat	21-DEC-2020 13:27:20	803037.4	814335.2	22.16568	113.96423	1.5	29	ShipXY
DE YUAN	Tug boat	21-DEC-2020 13:33:20	803037.4	814335.2	22.16568	113.96423	1.2	37	ShipXY
DE YUAN	Tug boat	21-DEC-2020 13:39:32	803041.8	814339.3	22.16572	113.96427	0.1	71	ShipXY
DE YUAN	Tug boat	21-DEC-2020 13:46:00	803037.4	814332.1	22.16568	113.9642	2.2	210	ShipXY
DE YUAN	Tug boat	21-DEC-2020 13:51:59	803034.1	814334.1	22.16565	113.96422	1.4	228	ShipXY
DE YUAN	Tug boat	21-DEC-2020 13:57:11	803039.6	814332.1	22.1657	113.9642	0.9	49	ShipXY
DE YUAN	Tug boat	21-DEC-2020 14:04:41	803031.9	814330	22.16563	113.96418	2.5	32	ShipXY
DE YUAN	Tug boat	21-DEC-2020 14:10:41	803031.9	814330	22.16563	113.96418	1.3	22	ShipXY
DE YUAN	Tug boat	21-DEC-2020 14:17:40	803028.6	814330	22.1656	113.96418	1.6	217	ShipXY

**DE YUAN (Tug boat)**  
**Historical Data Records (11-21DEC 2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
DE YUAN	Tug boat	21-DEC-2020 14:23:41	803031.9	814332.1	22.16563	113.9642	1.4	208	ShipXY
DE YUAN	Tug boat	21-DEC-2020 14:26:41	803028.6	814332.1	22.1656	113.9642	0.8	196	ShipXY
DE YUAN	Tug boat	21-DEC-2020 14:32:41	803028.6	814329	22.1656	113.96417	0.6	53	ShipXY
DE YUAN	Tug boat	21-DEC-2020 14:40:33	803025.2	814329	22.16557	113.96417	0.3	83	ShipXY
DE YUAN	Tug boat	21-DEC-2020 14:47:35	803028.6	814329	22.1656	113.96417	0.4	200	ShipXY
DE YUAN	Tug boat	21-DEC-2020 14:52:02	803026.3	814329	22.16558	113.96417	1.3	18	ShipXY
DE YUAN	Tug boat	21-DEC-2020 14:58:02	803026.3	814334.1	22.16558	113.96422	0.4	207	ShipXY
DE YUAN	Tug boat	21-DEC-2020 15:05:00	803028.6	814335.2	22.1656	113.96423	1.1	19	ShipXY
DE YUAN	Tug boat	21-DEC-2020 15:07:51	803028.6	814330	22.1656	113.96418	0.3	64	ShipXY
DE YUAN	Tug boat	21-DEC-2020 15:16:42	803025.2	814330	22.16557	113.96418	0.6	314	ShipXY
DE YUAN	Tug boat	21-DEC-2020 15:22:42	803025.2	814330	22.16557	113.96418	2.2	225	ShipXY
DE YUAN	Tug boat	21-DEC-2020 15:28:41	803028.6	814330	22.1656	113.96418	2	26	ShipXY
DE YUAN	Tug boat	21-DEC-2020 15:35:44	803034.1	814334.1	22.16565	113.96422	0.5	34	ShipXY
DE YUAN	Tug boat	21-DEC-2020 15:41:23	803028.6	814332.1	22.1656	113.9642	1.4	218	ShipXY
DE YUAN	Tug boat	21-DEC-2020 15:47:23	803031.9	814337.2	22.16563	113.96425	1.1	231	ShipXY
DE YUAN	Tug boat	21-DEC-2020 15:53:23	803026.3	814334.1	22.16558	113.96422	1	43	ShipXY
DE YUAN	Tug boat	21-DEC-2020 15:56:23	803025.2	814330	22.16557	113.96418	0.6	43	ShipXY
DE YUAN	Tug boat	21-DEC-2020 16:05:41	803028.6	814329	22.1656	113.96417	3.5	37	ShipXY
DE YUAN	Tug boat	21-DEC-2020 16:08:44	803030.8	814330	22.16562	113.96418	0.4	78	ShipXY
DE YUAN	Tug boat	21-DEC-2020 16:17:54	803020.8	814334.1	22.16553	113.96422	0.5	215	ShipXY
DE YUAN	Tug boat	21-DEC-2020 16:23:54	803023	814329	22.16555	113.96417	0.2	51	ShipXY
DE YUAN	Tug boat	21-DEC-2020 16:26:44	803026.3	814326.9	22.16558	113.96415	2	17	ShipXY
DE YUAN	Tug boat	21-DEC-2020 16:34:36	803028.6	814329	22.1656	113.96417	0.7	30	ShipXY
DE YUAN	Tug boat	21-DEC-2020 16:41:37	803036.3	814334.2	22.16567	113.96422	0.5	240	ShipXY
DE YUAN	Tug boat	21-DEC-2020 16:45:38	803031.9	814335.2	22.16563	113.96423	1.6	206	ShipXY
DE YUAN	Tug boat	21-DEC-2020 16:48:37	803030.8	814332.1	22.16562	113.9642	0.4	232	ShipXY
DE YUAN	Tug boat	21-DEC-2020 16:57:24	803031.9	814330	22.16563	113.96418	0.7	217	ShipXY
DE YUAN	Tug boat	21-DEC-2020 17:03:24	803031.9	814334.1	22.16563	113.96422	0.5	8	ShipXY
DE YUAN	Tug boat	21-DEC-2020 17:17:30	803030.8	814332.1	22.16562	113.9642	1.2	36	ShipXY
DE YUAN	Tug boat	21-DEC-2020 17:18:20	803026.3	814332.1	22.16558	113.9642	1.5	22	ShipXY
DE YUAN	Tug boat	21-DEC-2020 17:27:58	803031.9	814330	22.16563	113.96418	1.1	196	ShipXY
DE YUAN	Tug boat	21-DEC-2020 17:31:23	803028.6	814332.1	22.1656	113.9642	2.2	28	ShipXY
DE YUAN	Tug boat	21-DEC-2020 17:37:23	803031.9	814334.1	22.16563	113.96422	1.6	35	ShipXY
DE YUAN	Tug boat	21-DEC-2020 17:51:11	803034.1	814335.2	22.16565	113.96423	1.8	211	ShipXY
DE YUAN	Tug boat	21-DEC-2020 17:52:46	803034.1	814334.1	22.16565	113.96422	0.6	48	ShipXY
DE YUAN	Tug boat	21-DEC-2020 18:17:32	803041.8	814335.2	22.16572	113.96423	2	213	ShipXY
DE YUAN	Tug boat	21-DEC-2020 18:22:17	803039.6	814337.2	22.1657	113.96425	2	34	ShipXY
DE YUAN	Tug boat	21-DEC-2020 18:29:30	803041.8	814337.3	22.16572	113.96425	0.3	57	ShipXY
DE YUAN	Tug boat	21-DEC-2020 18:35:14	803041.8	814344.5	22.16572	113.96432	1.3	38	ShipXY
DE YUAN	Tug boat	21-DEC-2020 18:39:23	803041.8	814335.2	22.16572	113.96423	1.5	226	ShipXY
DE YUAN	Tug boat	21-DEC-2020 18:45:43	803039.6	814335.2	22.1657	113.96423	0.8	16	ShipXY
DE YUAN	Tug boat	21-DEC-2020 18:53:33	803036.3	814332.1	22.16567	113.9642	0.8	30	ShipXY
DE YUAN	Tug boat	21-DEC-2020 18:54:33	803037.4	814334.2	22.16568	113.96422	0.5	252	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 12:00:37	801859.3	814284	22.15504	113.96375	0.1	181.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 12:06:39	801860.4	814284	22.15505	113.96375	0.1	177.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 12:15:31	801861.5	814278.9	22.15506	113.9637	0.2	175.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 12:21:40	801862.6	814279.9	22.15507	113.96371	0.1	174.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 12:24:39	801858.2	814285.1	22.15503	113.96376	0.1	172.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 12:33:39	801860.4	814284	22.15505	113.96375	0.1	172	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 12:33:40	801860.4	814284	22.15505	113.96375	0.1	172	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 12:51:31	801860.4	814279.9	22.15505	113.96371	0.1	173.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 12:54:39	801860.4	814278.9	22.15505	113.9637	0.1	190.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 13:00:52	801859.3	814279.9	22.15504	113.96371	0.3	159	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 13:12:48	801864.8	814284	22.15509	113.96375	0.3	163	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 13:18:51	801864.8	814284	22.15509	113.96375	0.1	184	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 13:24:38	801863.7	814279.9	22.15508	113.96371	0.1	193	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 13:39:31	801862.6	814280.9	22.15507	113.96372	0.1	170.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 13:57:42	801864.8	814277.8	22.15509	113.96369	0.2	177	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 14:03:31	801865.9	814286.1	22.1551	113.96377	0.2	174.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 14:06:31	801864.8	814280.9	22.15509	113.96372	0.3	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 14:12:40	801868.1	814283	22.15512	113.96374	0.1	184	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 14:21:31	801863.7	814282	22.15508	113.96373	0.1	194.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 14:24:51	801863.7	814279.9	22.15508	113.96371	0.2	173	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 14:33:31	801865.9	814282	22.1551	113.96375	0.3	188.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 14:45:39	801861.5	814280.9	22.15506	113.96372	0.1	190.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 14:57:31	801862.6	814279.9	22.15507	113.96371	0.1	194.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 14:57:38	801862.6	814278.9	22.15507	113.9637	0.1	194.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 15:06:40	801861.5	814285.1	22.15506	113.96376	0.1	194.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 15:15:31	801860.4	814279.9	22.15505	113.96371	0.1	187.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 15:21:31	801860.4	814279.9	22.15505	113.96371	0.3	174.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 15:27:31	801858.2	814280.9	22.15503	113.96372	0.3	175.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 15:30:39	801859.3	814282	22.15504	113.96373	0.1	174.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 15:30:46	801859.3	814282	22.15504	113.96373	0.1	175	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 15:45:31	801867	814282	22.15511	113.96373	0.2	182	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 15:45:51	801867	814282	22.15511	113.96373	0.2	182	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 15:54:40	801861.5	814287.1	22.15506	113.96378	0.2	186.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 15:57:43	801863.7	814284	22.15508	113.96375	0.1	192	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 16:09:31	801863.7	814284	22.15508	113.96375	0.1	174.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 16:09:49	801863.7	814284	22.15508	113.96375	0.1	174	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 16:15:42	801865.9	814285.1	22.1551	113.96376	0.1	211	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 16:27:32	801863.7	814284	22.15508	113.96375	0.1	184.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 16:42:47	801864.8	814290.2	22.15509	113.96381	0.1	149	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 16:51:31	801861.5	814284	22.15506	113.96375	0.3	196.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 16:57:48	801861.5	814287.1	22.15506	113.96378	0.1	174	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 17:03:43	801863.7	814287.1	22.15508	113.96378	0.1	120	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 17:12:31	801863.7	814284	22.15508	113.96375	0.1	340.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 17:27:32	801860.4	814282	22.15505	113.96373	0.1	350.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 17:30:51	801861.5	814283	22.15506	113.96374	0.1	345	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 17:39:48	801862.6	814283	22.15507	113.96374	0.2	353	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 17:51:40	801861.5	814288.2	22.15506	113.96379	0.2	2.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 18:00:43	801861.5	814287.1	22.15506	113.96378	0.2	338.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 18:09:39	801862.6	814282	22.15507	113.96373	0.1	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 18:18:31	801861.5	814284	22.15506	113.96375	0.1	349.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 18:21:39	801862.6	814284	22.15507	113.96375	0.1	332.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 18:33:39	801862.6	814282	22.15507	113.96373	0.1	350.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 18:45:39	801862.6	814284	22.15507	113.96375	0.1	345.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 18:48:42	801864.8	814283	22.15509	113.96374	0.1	2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 18:57:50	801860.4	814288.2	22.15505	113.96379	0.1	340	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 19:00:45	801862.6	814287.1	22.15507	113.96378	0.1	341.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 19:06:45	801864.8	814287.1	22.15509	113.96378	0.1	10	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 19:08:05	801862.6	814285.1	22.15507	113.96376	0.1	325	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 19:12:50	801862.6	814287.1	22.15507	113.96378	0.1	354	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 19:21:39	801863.7	814282	22.15508	113.96373	0.2	325.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 19:24:47	801862.6	814283	22.15507	113.96374	0.1	338	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 19:33:39	801862.6	814284	22.15507	113.96375	0.2	10.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 19:48:47	801861.5	814282	22.15506	113.96373	0.2	196	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 19:54:31	801861.5	814284	22.15506	113.96375	0	179	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 20:00:39	801860.4	814284	22.15505	113.96375	0.1	187.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 20:12:40	801857.1	814280.9	22.15502	113.96372	0.2	172	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 20:21:40	801859.3	814286.1	22.15504	113.96377	0.1	188.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 20:24:51	801860.4	814284	22.15505	113.96375	0.1	177	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 20:30:44	801857.1	814286.1	22.15502	113.96377	0.1	180	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 20:36:49	801857.1	814283	22.15502	113.96374	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 20:51:40	801858.2	814284	22.15503	113.96375	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 21:00:51	801847.1	814290.2	22.15493	113.96381	0.2	179.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 21:09:40	801849.3	814289.2	22.15495	113.9638	0.1	182.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 21:09:43	801849.3	814289.2	22.15495	113.9638	0.1	183	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 21:21:47	801847.1	814287.1	22.15493	113.96378	0.2	181.2	ShipXY



**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 21:24:50	801848.2	814287.1	22.15494	113.96378	0.1	181	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 21:30:36	801848.2	814291.2	22.15494	113.96382	0.1	173	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 21:36:31	801849.3	814290.2	22.15495	113.96381	0.1	187.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 21:42:48	801846	814287.1	22.15492	113.96378	0	179	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 21:57:47	801848.2	814287.1	22.15494	113.96378	0.1	184.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 22:06:52	801849.3	814285	22.15495	113.96376	0.1	185	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 22:12:39	801847.1	814286.1	22.15493	113.96377	0.1	209.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 22:21:44	801847.1	814287.1	22.15493	113.96378	0.2	184.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 22:24:46	801846	814288.1	22.15492	113.96379	0.1	184.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 22:39:47	801846	814285	22.15492	113.96376	0.1	187.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 22:48:31	801844.9	814288.1	22.15491	113.96379	0.1	158.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 22:54:39	801848.2	814288.1	22.15494	113.96379	0.1	172	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 22:57:46	801843.8	814286.1	22.1549	113.96377	0.1	183	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 23:03:43	801849.3	814286.1	22.15495	113.96377	0.2	228	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 23:15:37	801856	814283	22.15501	113.96374	0.1	2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 23:18:41	801854.9	814282	22.155	113.96373	0.2	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 23:21:42	801858.2	814282	22.15503	113.96373	0.1	340	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 23:27:52	801857.1	814280.9	22.15502	113.96372	0.2	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 23:28:47	801860.4	814279.9	22.15505	113.96371	0.1	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 23:48:31	801853.7	814280.9	22.15499	113.96372	0.1	350.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 23:51:39	801857.1	814282	22.15502	113.96373	0.1	347	ShipXY
HAI YANG SHI YOU 225	Crane Barge	11-DEC-2020 23:57:40	801852.6	814278.9	22.15498	113.9637	0	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 00:06:31	801857.1	814282	22.15502	113.96373	0.1	357.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 00:09:35	801854.9	814283	22.155	113.96374	0.1	358	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 00:27:40	801859.3	814280.9	22.15504	113.96372	0.2	335.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 00:33:40	801856	814282	22.15501	113.96373	0.1	340.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 00:45:40	801854.9	814283	22.155	113.96374	0.1	239.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 00:48:42	801858.2	814282	22.15503	113.96373	0.2	187	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 00:51:48	801853.7	814279.9	22.15499	113.96371	0.1	182	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 01:06:40	801851.5	814281.9	22.15497	113.96373	0.1	207.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 01:12:48	801857.1	814283	22.15502	113.96374	0.1	175	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 01:30:48	801853.7	814284	22.15499	113.96375	0.2	188	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 01:39:43	801856	814282	22.15501	113.96373	0.1	188	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 01:51:31	801856	814285	22.15501	113.96376	0.1	170.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 03:00:40	801856	814277.8	22.15501	113.96369	0.1	194	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 02:09:32	801854.9	814279.9	22.155	113.96371	0.1	177.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 02:12:46	801856	814279.9	22.15501	113.96371	0.1	198	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 02:24:31	801854.9	814282	22.155	113.96373	0.1	187.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 02:33:41	801844.9	814286.1	22.15491	113.96377	0.2	171.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 02:39:40	801837.1	814294.3	22.15484	113.96385	0.1	195.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 02:42:40	801838.2	814293.3	22.15485	113.96384	0.2	191	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 02:51:32	801838.2	814292.2	22.15485	113.96383	0.1	184.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 03:00:40	801837.1	814291.2	22.15484	113.96382	0.1	178.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 03:06:31	801852.6	814284	22.15498	113.96375	0.2	277.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 03:15:48	801854.9	814276.8	22.155	113.96368	0.2	172	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 03:21:32	801857.1	814278.9	22.15502	113.9637	0.2	193.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 03:27:40	801857.1	814276.8	22.15502	113.96368	0.1	194.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 03:33:40	801856	814282	22.15501	113.96373	0.1	197	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 03:36:47	801856	814278.9	22.15501	113.9637	0.1	172	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 03:51:31	801857.1	814278.9	22.15502	113.9637	0.2	183.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 03:51:40	801857.1	814278.9	22.15502	113.9637	0.2	184	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 04:00:40	801858.2	814285.1	22.15503	113.96376	0.1	189.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 04:06:41	801857.1	814278.9	22.15502	113.9637	0.1	173.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 04:12:41	801856	814279.9	22.15501	113.96371	0.1	186.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 04:21:40	801859.3	814279.9	22.15504	113.96371	0.1	189.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 04:33:32	801858.2	814280.9	22.15503	113.96372	0.1	194.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 04:36:40	801857.1	814278.9	22.15502	113.9637	0.1	182.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 04:39:47	801856	814280.9	22.15501	113.96372	0.1	182	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 04:48:41	801857.1	814284	22.15502	113.96375	0.1	188.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 05:00:43	801857.1	814282	22.15502	113.96373	0.1	171	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 05:06:40	801854.9	814283	22.155	113.96374	0.1	195.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 05:15:40	801857.1	814282	22.15502	113.96373	0.1	4.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 05:21:31	801860.4	814279.9	22.15505	113.96371	0.1	0.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 05:24:40	801856	814279.9	22.15501	113.96371	0.1	344.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 05:30:40	801857.1	814278.9	22.15502	113.9637	0.1	348.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 05:36:41	801857.1	814278.9	22.15502	113.9637	0.1	356.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 05:42:50	801857.1	814280.9	22.15502	113.96372	0.1	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 05:51:31	801858.2	814280.9	22.15503	113.96372	0.1	353.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 05:57:49	801858.2	814277.8	22.15503	113.96369	0.1	353.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 06:03:40	801853.7	814279.9	22.15499	113.96371	0.1	5.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 06:09:31	801854.9	814277.8	22.155	113.96369	0.1	353.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 06:12:44	801856	814276.8	22.15501	113.96368	0.1	1.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 06:15:49	801856	814276.8	22.15501	113.96368	0.1	1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 06:24:31	801853.8	814276.8	22.15499	113.96368	0.1	352.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 06:27:46	801853.7	814280.9	22.15499	113.96372	0.1	347	ShipXY



**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 06:39:31	801858.2	814279.9	22.15503	113.96371	0.1	359.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 06:42:40	801857.1	814278.9	22.15502	113.96371	0.1	337	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 06:54:31	801857.1	814279.9	22.15502	113.96371	0.1	0.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 06:54:40	801854.9	814278.9	22.155	113.9637	0.1	0.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 07:09:31	801856	814284	22.15501	113.96375	0.1	356.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 07:12:40	801857.1	814278.9	22.15502	113.9637	0.1	1.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 07:21:41	801852.6	814278.9	22.15498	113.9637	0.1	195.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 07:24:31	801851.5	814283	22.15497	113.96374	0.1	181.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 07:33:40	801849.3	814279.9	22.15495	113.96371	0.1	196.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 07:39:31	801851.5	814280.9	22.15497	113.96372	0.1	200.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 07:39:36	801851.5	814280.9	22.15497	113.96372	0.1	200	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 07:48:41	801853.7	814285	22.15499	113.96376	0.1	179.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 07:57:32	801852.6	814283	22.15498	113.96374	0.1	217.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 08:06:39	801856	814282	22.15501	113.96373	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 08:15:53	801854.9	814283	22.155	113.96374	0.1	190	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 08:27:32	801854.9	814280.9	22.155	113.96372	0	192.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 08:30:43	801857.1	814282	22.15502	113.96373	0.2	186	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 08:42:31	801861.5	814286.1	22.15506	113.96377	0.1	165.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 08:45:45	801862.6	814285.1	22.15507	113.96376	0.1	165	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 08:54:33	801859.3	814284	22.15504	113.96375	0	175.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 08:54:49	801859.3	814284	22.15504	113.96375	0	175	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 09:09:31	801858.2	814282	22.15503	113.96373	0.1	183.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 09:18:41	801858.2	814280.9	22.15503	113.96372	0.1	189.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 09:24:54	801858.2	814280.9	22.15503	113.96372	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 09:30:47	801857.1	814283	22.15502	113.96374	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 09:39:32	801859.3	814278.9	22.15504	113.9637	0.1	340.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 09:42:41	801854.9	814279.9	22.155	113.96371	0.1	340.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 09:45:40	801854.9	814284	22.155	113.96375	0	340.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 09:54:32	801859.3	814279.9	22.15504	113.96371	0.1	338.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 09:57:49	801858.2	814279.9	22.15503	113.96371	0.1	339	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 10:09:32	801860.4	814283	22.15505	113.96374	0.1	337.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 10:09:44	801860.4	814283	22.15505	113.96374	0.1	338	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 10:24:31	801861.5	814286.1	22.15506	113.96377	0	336.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 10:24:39	801861.5	814286.1	22.15506	113.96377	0	336	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 10:36:32	801863.7	814286.1	22.15508	113.96377	0	326.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 10:36:49	801863.7	814286.1	22.15508	113.96377	0	326	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 10:51:32	801857.1	814288.1	22.15502	113.96379	0.1	128.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 10:54:51	801854.8	814286.1	22.155	113.96377	0.1	129	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 11:03:32	801856	814287.1	22.15501	113.96378	0.1	128.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 11:06:39	801856	814282	22.15501	113.96373	0	129	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 11:09:40	801858.2	814287.1	22.15503	113.96378	0.1	192.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 11:18:31	801856	814280.9	22.15501	113.96372	0	192.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 11:33:31	801858.2	814288.1	22.15503	113.96379	0.1	178.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 11:51:32	801850.4	814287.1	22.15496	113.96378	0.1	201.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 12:03:40	801854.8	814287.1	22.155	113.96378	0.1	201.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 12:09:54	801853.7	814285	22.15499	113.96376	0.1	202	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 12:18:52	801851.5	814287.1	22.15497	113.96378	0	202	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 12:30:48	801852.6	814283	22.15498	113.96374	0.1	187	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 12:39:31	801857.1	814282	22.15502	113.96373	0.1	200.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 12:42:52	801857.1	814285.1	22.15502	113.96376	0	201	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 12:48:51	801860.4	814287.1	22.15505	113.96378	0	200.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 12:54:31	801861.5	814283	22.15506	113.96374	0.1	200.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 13:00:51	801861.5	814284	22.15506	113.96375	0.1	201	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 13:09:31	801862.6	814284	22.15507	113.96375	0.1	183.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 13:24:37	801862.6	814283	22.15507	113.96374	0.1	210.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 13:30:38	801862.6	814284	22.15507	113.96375	0	211	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 13:39:32	801858.2	814283	22.15503	113.96374	0.1	210.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 13:39:49	801858.2	814283	22.15503	113.96374	0.1	211	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 13:51:32	801860.4	814280.9	22.15505	113.96372	0.1	210.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 13:51:40	801860.4	814280.9	22.15505	113.96372	0.1	210.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 14:03:34	801863.7	814280.9	22.15508	113.96372	0.1	182.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 14:09:53	801863.7	814279.9	22.15508	113.96371	0	184	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 14:18:31	801861.5	814279.9	22.15506	113.96371	0.1	191.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 14:23:09	801861.5	814282	22.15506	113.96373	0.1	192	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 14:39:33	801859.3	814283	22.15504	113.96374	0.2	196.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 14:51:32	801862.6	814284	22.15507	113.96375	0.1	194.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 14:57:50	801861.5	814287.1	22.15506	113.96378	0.1	202	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 15:03:45	801858.2	814285.1	22.15503	113.96376	0.2	184.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 15:09:45	801860.4	814277.8	22.15505	113.96369	0.1	192	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 15:21:41	801860.4	814279.9	22.15505	113.96371	0.1	180.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 15:27:50	801858.2	814279.9	22.15503	113.96371	0.1	186	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 15:36:31	801860.4	814279.9	22.15505	113.96371	0.1	191.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 15:45:49	801861.5	814282	22.15506	113.96373	0.2	196	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 15:48:50	801858.2	814284	22.15503	113.96375	0.1	196	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 15:57:42	801859.3	814279.9	22.15504	113.96371	0	179.2	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 16:09:32	801860.4	814283	22.15505	113.96374	0.1	202.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 16:12:41	801860.4	814286.1	22.15505	113.96377	0.1	202.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 16:24:31	801862.6	814284	22.15507	113.96375	0.1	171.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 16:30:47	801862.6	814285.1	22.15507	113.96376	0.1	185.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 16:39:31	801863.7	814288.2	22.15508	113.96379	0.2	185.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 16:45:42	801864.8	814284	22.15509	113.96375	0.1	187.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 16:51:32	801862.6	814283	22.15507	113.96374	0.1	194	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 16:54:45	801860.4	814284	22.15505	113.96375	0.1	194	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 17:03:42	801863.7	814285.1	22.15508	113.96376	0.1	183.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 17:06:38	801863.7	814284	22.15508	113.96375	0.1	187.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 17:21:32	801859.3	814280.9	22.15504	113.96372	0.1	188.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 17:27:41	801862.6	814282	22.15507	113.96373	0.1	191.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 17:36:54	801862.6	814282	22.15507	113.96373	0.1	182.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 17:42:49	801864.8	814285.1	22.15509	113.96376	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 17:51:32	801863.7	814288.2	22.15508	113.96379	0.1	190.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 17:54:47	801863.7	814284	22.15508	113.96375	0.1	190.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 18:00:47	801863.7	814285.1	22.15508	113.96376	0.2	211.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 18:09:37	801865.9	814283	22.1551	113.96374	0.1	194.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 18:12:46	801864.8	814283	22.15509	113.96374	0.1	195	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 18:18:41	801861.5	814282	22.15506	113.96373	0	177.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 18:24:41	801865.9	814282	22.1551	113.96373	0	176.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 18:30:49	801861.5	814288.2	22.15506	113.96379	0.1	171.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 18:36:35	801864.8	814287.1	22.15509	113.96378	0.1	171.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 18:51:31	801860.4	814286.1	22.15505	113.96377	0.1	179.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 18:54:41	801862.6	814286.1	22.15507	113.96377	0.1	179.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 19:00:46	801860.4	814288.2	22.15505	113.96379	0.1	187	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 19:06:31	801865.9	814286.1	22.1551	113.96377	0.1	178.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 19:06:49	801865.9	814286.1	22.1551	113.96377	0.1	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 19:18:34	801864.8	814280.9	22.15509	113.96372	0.1	196.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 19:33:42	801861.5	814283	22.15506	113.96374	0.3	184.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 19:39:42	801864.8	814278.9	22.15509	113.9637	0.1	194.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 19:45:32	801861.5	814280.9	22.15506	113.96372	0.1	192.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 20:00:42	801858.2	814287.1	22.15503	113.96378	0.1	199	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 20:06:41	801858.2	814282	22.15503	113.96373	0.1	194	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 20:18:31	801856	814286.1	22.15501	113.96377	0.2	177.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 20:27:41	801857.1	814287.1	22.15502	113.96378	0.1	168.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 20:30:55	801859.3	814286.1	22.15504	113.96377	0.1	169	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 20:36:42	801859.3	814285.1	22.15504	113.96376	0.1	168.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 20:48:55	801859.3	814282	22.15504	113.96373	0	180	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 21:03:42	801861.5	814283	22.15506	113.96374	0.1	173.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 21:06:42	801859.3	814283	22.15504	113.96374	0.2	184.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 21:06:55	801859.3	814283	22.15504	113.96374	0.2	184	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 21:24:31	801858.2	814282	22.15503	113.96373	0.1	180.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 21:30:41	801858.2	814282	22.15503	113.96373	0.1	179.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 21:45:50	801860.4	814282	22.15505	113.96373	0.1	183	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 21:57:49	801861.5	814282	22.15506	113.96373	0.1	183	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 22:06:42	801858.2	814282	22.15503	113.96373	0.1	190.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 22:12:42	801859.3	814279.9	22.15504	113.96371	0.1	190.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 22:27:53	801860.4	814283	22.15505	113.96374	0.1	184	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 22:36:41	801858.2	814282	22.15503	113.96373	0.1	174.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 22:48:51	801859.3	814283	22.15504	113.96374	0.1	180	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 23:00:55	801862.6	814283	22.15507	113.96374	0.1	176	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 23:06:48	801860.4	814282	22.15505	113.96373	0.1	177	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 23:18:42	801862.6	814282	22.15507	113.96373	0.1	179.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 23:21:52	801861.5	814284	22.15506	113.96375	0	179	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 23:30:42	801860.4	814286.1	22.15505	113.96377	0	179.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 23:34:01	801859.3	814283	22.15504	113.96374	0.1	179	ShipXY
HAI YANG SHI YOU 225	Crane Barge	12-DEC-2020 23:45:46	801860.4	814285.1	22.15505	113.96376	0	179	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 00:06:42	801858.2	814285.1	22.15503	113.96376	0.1	187.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 00:15:50	801857.1	814283	22.15502	113.96374	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 00:18:42	801860.4	814280.9	22.15505	113.96372	0.1	189.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 00:25:02	801857.1	814285.1	22.15502	113.96376	0	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 00:36:46	801857.1	814284	22.15502	113.96375	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 00:43:00	801859.3	814285.1	22.15504	113.96376	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 00:54:47	801859.3	814284	22.15504	113.96375	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 01:00:56	801859.3	814287.1	22.15504	113.96378	0.1	209	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 01:09:52	801859.3	814283	22.15504	113.96374	0	212	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 01:15:58	801858.2	814284	22.15503	113.96375	0.1	212	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 01:30:31	801857.1	814289.2	22.15502	113.9638	0.1	212.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 01:30:41	801857.1	814287.1	22.15502	113.96378	0.1	212.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 01:34:02	801859.3	814286.1	22.15504	113.96377	0.1	212	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 01:51:53	801858.2	814282	22.15503	113.96373	0.1	353	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 02:09:31	801857.1	814284	22.15502	113.96375	0.2	357.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 02:12:53	801857.1	814285.1	22.15502	113.96376	0.1	356	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 02:18:48	801860.4	814285.1	22.15505	113.96376	0.1	350	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 02:27:31	801857.1	814284	22.15502	113.96375	0.1	343.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 02:39:43	801857.1	814287.1	22.15502	113.96378	0.1	339.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 02:45:42	801858.2	814283	22.15503	113.96374	0.1	341.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 02:54:48	801858.2	814288.1	22.15503	113.96379	0	340	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 03:09:31	801853.8	814275.8	22.15499	113.96367	0.1	351.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 03:10:00	801853.8	814275.8	22.15499	113.96367	0.1	351	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 03:21:51	801856	814284	22.15501	113.96375	0.1	353	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 03:27:32	801860.4	814282	22.15505	113.96373	0.1	348.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 03:30:43	801860.4	814284	22.15505	113.96375	0.1	348.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 03:39:42	801859.3	814287.1	22.15504	113.96378	0.2	349.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 03:39:50	801859.3	814287.1	22.15504	113.96378	0.2	350	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 03:48:43	801861.5	814285.1	22.15506	113.96376	0.1	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 03:54:42	801856	814283	22.15501	113.96374	0.1	348.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 04:04:01	801862.6	814286.1	22.15507	113.96377	0.2	351	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 04:06:42	801859.3	814285.1	22.15504	113.96376	0	353.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 04:21:54	801856	814284	22.15501	113.96375	0.2	345	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 04:24:42	801859.3	814285.1	22.15504	113.96376	0.1	348.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 04:30:46	801856	814283	22.15501	113.96374	0.1	327	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 04:39:31	801861.5	814288.2	22.15506	113.96379	0	335.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 04:39:51	801861.5	814288.2	22.15506	113.96379	0	335	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 04:57:32	801860.4	814286.1	22.15505	113.96377	0.1	343.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 05:06:49	801856	814286.1	22.15501	113.96377	0.1	337	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 05:12:43	801860.4	814282	22.15505	113.96373	0.1	351.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 05:21:31	801860.4	814286.1	22.15505	113.96377	0.1	353.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 05:24:46	801858.2	814283	22.15503	113.96374	0.1	359	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 05:27:57	801858.2	814284	22.15503	113.96375	0.2	351	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 05:45:31	801857.1	814283	22.15502	113.96374	0.1	1.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 05:49:53	801858.2	814280.9	22.15503	113.96372	0.1	1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 06:03:32	801858.2	814284	22.15503	113.96375	0.1	347.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 06:21:31	801857.1	814283	22.15502	113.96374	0.1	354.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 06:24:43	801859.3	814282	22.15504	113.96373	0.1	353.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 06:39:32	801857.1	814282	22.15502	113.96373	0.1	355.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 06:42:44	801858.2	814280.9	22.15503	113.96372	0.1	349.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 06:48:47	801861.5	814286.1	22.15506	113.96377	0.1	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 06:51:42	801858.2	814284	22.15503	113.96375	0.1	350.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 07:00:31	801860.4	814284	22.15505	113.96375	0.1	355.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 07:12:43	801857.1	814280.9	22.15502	113.96372	0.1	359.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 07:27:32	801860.4	814279.9	22.15505	113.96371	0.1	334.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 07:27:54	801860.4	814279.9	22.15505	113.96371	0.1	334	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 07:43:05	801861.5	814280.9	22.15506	113.96372	0.1	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 07:54:32	801859.3	814280.9	22.15504	113.96372	0.1	344	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 07:54:47	801859.3	814280.9	22.15504	113.96372	0.1	344	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 08:04:03	801857.1	814286.1	22.15502	113.96377	0.2	331	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 08:12:53	801857.1	814280.9	22.15502	113.96372	0.1	345	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 08:22:01	801856	814278.9	22.15501	113.9637	0.1	340	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 08:30:50	801860.4	814284	22.15505	113.96375	0.1	339	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 08:48:48	801860.4	814284	22.15505	113.96375	0.1	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 08:54:44	801860.4	814283	22.15505	113.96374	0.2	345.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 09:03:31	801858.2	814285.1	22.15503	113.96376	0.1	351.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 09:15:48	801862.6	814285.1	22.15507	113.96376	0.1	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 09:18:31	801860.4	814282	22.15505	113.96373	0	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 09:27:58	801861.5	814283	22.15506	113.96374	0.1	352	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 09:33:32	801861.5	814282	22.15506	113.96373	0.1	345.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 09:39:43	801857.1	814284	22.15502	113.96375	0.1	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 09:42:43	801858.2	814288.1	22.15503	113.96379	0.1	344.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 09:48:58	801859.3	814284	22.15504	113.96375	0.1	351	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 09:54:43	801862.6	814285.1	22.15507	113.96376	0.2	349.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 10:03:31	801863.7	814282	22.15508	113.96373	0.1	2.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 10:06:47	801862.6	814284	22.15507	113.96375	0.1	347	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 10:15:44	801863.7	814282	22.15508	113.96373	0.1	344.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 10:21:44	801860.4	814280.9	22.15505	113.96372	0.2	340.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 10:21:48	801860.4	814280.9	22.15505	113.96372	0.2	340	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 10:33:43	801862.6	814283	22.15507	113.96374	0.1	355.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 10:39:44	801861.5	814278.9	22.15506	113.9637	0.1	348.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 10:42:32	801864.8	814282	22.15509	113.96373	0.1	357.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 10:45:47	801865.9	814284	22.1551	113.96375	0.1	358	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 10:58:01	801862.6	814284	22.15507	113.96375	0.1	352	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 11:00:44	801863.7	814284	22.15508	113.96375	0.1	354.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 11:09:31	801864.8	814282	22.15509	113.96373		342.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 11:12:43	801864.8	814279.9	22.15509	113.96371	0.1	350.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 11:21:37	801865.9	814282	22.1551	113.96373	0.1	347.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 11:24:43	801862.6	814282	22.15507	113.96373	0.1	345.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 11:30:47	801864.8	814283	22.15509	113.96374	0.1	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 11:36:40	801862.6	814286.1	22.15507	113.96377	0.1	351	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 11:42:53	801864.8	814284	22.15509	113.96375	0.1	346	ShipXY



**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 11:51:31	801863.7	814285.1	22.15508	113.96376	0.1	351.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 11:54:42	801862.6	814284	22.15507	113.96375	0.1	351.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 12:06:31	801864.8	814283	22.15509	113.96374	0.1	344.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 12:12:45	801862.6	814280.9	22.15507	113.96372	0.1	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 12:21:31	801861.5	814284	22.15506	113.96375	0.1	351.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 12:30:43	801864.8	814283	22.15509	113.96374	0.2	343	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 12:36:31	801862.6	814283	22.15507	113.96374	0.1	345.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 12:39:58	801863.7	814284	22.15508	113.96375	0.1	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 12:51:33	801861.5	814283	22.15506	113.96374	0.1	348.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 12:51:42	801860.4	814282	22.15505	113.96373	0.1	348.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 13:00:50	801863.7	814284	22.15508	113.96375	0.2	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 13:06:31	801862.6	814284	22.15507	113.96375	0.1	343	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 13:21:31	801862.6	814284	22.15507	113.96375	0.1	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 13:21:54	801862.6	814284	22.15507	113.96375	0.1	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 13:30:44	801860.4	814289.2	22.15505	113.9638	0.1	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 13:36:45	801860.4	814286.1	22.15505	113.96377	0.1	350	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 13:48:52	801862.6	814278.9	22.15507	113.9637	0.3	357	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 13:54:41	801862.6	814285.1	22.15507	113.96376	0.2	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 14:03:31	801862.6	814286.1	22.15507	113.96377	0.2	349.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 14:09:43	801862.6	814275.8	22.15507	113.96367	0.2	338.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 14:21:31	801861.5	814284	22.15506	113.96375	0.2	348.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 14:24:50	801861.5	814284	22.15506	113.96375	0.1	346.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 14:36:36	801861.5	814284	22.15506	113.96375	0.1	341	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 14:39:51	801861.5	814285.1	22.15506	113.96376	0.1	340	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 14:48:47	801861.5	814284	22.15506	113.96375	0.1	351	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 14:54:31	801860.4	814284	22.15505	113.96375	0.2	357.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 15:00:52	801861.5	814282	22.15506	113.96373	0.1	354.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 15:09:31	801861.5	814285.1	22.15506	113.96376	0.1	340.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 15:18:41	801858.2	814277.8	22.15503	113.96369	0.2	343	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 15:27:46	801862.6	814284	22.15507	113.96375	0.2	338.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 15:30:55	801861.5	814280.9	22.15506	113.96372	0.1	333	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 15:42:31	801862.6	814283	22.15507	113.96374	0.3	347.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 15:45:49	801861.5	814284	22.15506	113.96375	0.1	354	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 15:57:32	801862.6	814282	22.15507	113.96373	0.2	344.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 16:06:52	801856	814283	22.15501	113.96374	0.2	348.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 16:12:31	801855.9	814291.2	22.15501	113.96382	0.1	344.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 16:27:31	801859.3	814287.1	22.15504	113.96378	0.3	348.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 16:27:58	801859.3	814287.1	22.15504	113.96378	0.3	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 16:39:32	801865.9	814287.1	22.1551	113.96378	0.1	341.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 16:42:49	801858.2	814291.2	22.15503	113.96382	0.4	353	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 16:48:32	801860.4	814286.1	22.15505	113.96377	0.3	354.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 16:48:58	801860.4	814286.1	22.15505	113.96377	0.3	354	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:03:32	801860.4	814282	22.15505	113.96373	0.1	350.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:06:41	801859.3	814285.1	22.15504	113.96376	0.1	356	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:15:33	801862.6	814283	22.15507	113.96374	0.1	345.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:18:31	801861.5	814283	22.15506	113.96374	0.2	338	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:27:44	801862.6	814283	22.15507	113.96374	0.2	351.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:30:32	801859.3	814284	22.15504	113.96375	0.2	344.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:36:44	801861.5	814283	22.15506	113.96374	0.3	9.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:45:32	801860.4	814287.1	22.15505	113.96378	0.2	354.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:48:44	801861.5	814285.1	22.15506	113.96376	0.1	0.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:57:31	801861.5	814284	22.15506	113.96375	0.3	350.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 17:57:52	801861.5	814284	22.15506	113.96375	0.3	351	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 18:06:44	801862.6	814282	22.15507	113.96373	0.2	350.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 18:12:31	801861.5	814282	22.15506	113.96373	0.2	1.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 18:15:52	801860.4	814284	22.15505	113.96375	0.1	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 18:24:59	801861.5	814285.1	22.15506	113.96376	0.1	340	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 18:30:44	801862.6	814284	22.15507	113.96375	0.1	337.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 18:39:32	801862.6	814282	22.15507	113.96373	0.1	8.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 18:42:44	801861.5	814283	22.15506	113.96374	0.1	351.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 18:48:43	801858.2	814284	22.15503	113.96375	0.1	347.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 18:54:44	801858.2	814284	22.15503	113.96375	0.1	349.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 19:00:44	801863.7	814285.1	22.15508	113.96376	0.2	356	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 19:09:32	801861.5	814287.1	22.15506	113.96378	0.1	345.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 19:16:06	801862.6	814280.9	22.15507	113.96372	0.1	327	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 19:24:32	801862.6	814282	22.15507	113.96373	0.1	345.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 19:33:46	801861.5	814283	22.15506	113.96374	0.1	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 19:39:51	801859.3	814282	22.15504	113.96373	0.2	325	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 19:42:43	801859.3	814282	22.15504	113.96373	0.2	345.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 19:45:30	801857.1	814282	22.15502	113.96373	0.1	339	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 19:54:32	801860.4	814285.1	22.15505	113.96376	0.2	356	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 19:57:48	801860.4	814279.9	22.15505	113.96371	0.2	345	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 20:15:32	801859.3	814285.1	22.15504	113.96376	0.1	355.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 20:21:46	801858.2	814282	22.15503	113.96373	0.1	345	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 20:30:46	801860.4	814284	22.15505	113.96375	0.1	346	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 20:42:44	801859.3	814283	22.15504	113.96374	0.1	357.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 20:48:44	801859.3	814284	22.15504	113.96375	0.1	340.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 20:54:44	801858.2	814283	22.15503	113.96374	0.1	347.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 21:09:31	801859.3	814284	22.15504	113.96375	0.1	359.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 21:09:38	801859.3	814284	22.15504	113.96375	0.1	359.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 21:18:44	801860.4	814283	22.15505	113.96374	0.1	350.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 21:27:44	801860.4	814285.1	22.15505	113.96376	0.1	345.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 21:27:55	801860.4	814285.1	22.15505	113.96376	0.1	345	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 21:42:31	801860.4	814282	22.15505	113.96373	0.1	352.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 21:48:44	801862.6	814282	22.15507	113.96373	0.1	349.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 21:57:32	801861.5	814282	22.15506	113.96373	0	350.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 22:00:44	801858.2	814282	22.15503	113.96373	0	347.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 22:06:56	801862.6	814283	22.15507	113.96374	0.1	327	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 22:12:44	801858.2	814283	22.15503	113.96374	0.1	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 22:27:31	801862.6	814286.1	22.15507	113.96377	0.1	342.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 22:33:56	801858.2	814283	22.15503	113.96374	0	351	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 22:42:44	801859.3	814286.1	22.15504	113.96377	0.1	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 22:42:56	801859.3	814286.1	22.15504	113.96377	0.1	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 22:57:31	801863.7	814284	22.15508	113.96375	0.1	343.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 23:00:46	801864.8	814284	22.15509	113.96375	0.1	338.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 23:00:56	801864.8	814284	22.15509	113.96375	0.1	339	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 23:12:31	801861.5	814284	22.15506	113.96375	0	343.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 23:15:40	801861.5	814284	22.15506	113.96375	0.1	343	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 23:27:31	801854.8	814285	22.155	113.96376	0	340.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 23:30:45	801859.3	814285.1	22.15504	113.96376	0.1	340.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 23:36:48	801858.2	814280.9	22.15503	113.96372	0.1	346.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 23:45:52	801858.2	814285.1	22.15503	113.96376	0.1	347	ShipXY
HAI YANG SHI YOU 225	Crane Barge	13-DEC-2020 23:51:50	801856	814285	22.15501	113.96376	0.1	347	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 00:03:31	801858.2	814284	22.15503	113.96375	0.1	344.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 00:15:32	801858.2	814280.9	22.15503	113.96372	0.1	347.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 00:18:52	801856	814287.1	22.15501	113.96378	0.1	350.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 00:30:55	801858.2	814283	22.15503	113.96374	0.1	343	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 00:36:55	801859.3	814285.1	22.15504	113.96376	0.1	343	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 00:45:31	801857.1	814285.1	22.15502	113.96376	0.1	348.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 00:45:56	801857.1	814285.1	22.15502	113.96376	0.1	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 00:54:51	801854.8	814290.2	22.155	113.96381	0.1	352	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 01:06:44	801861.5	814285.1	22.15506	113.96376	0.1	329.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 01:09:51	801860.4	814282	22.15505	113.96373	0.1	329	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 01:18:58	801860.4	814285.1	22.15505	113.96376	0.1	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 01:24:31	801859.3	814284	22.15504	113.96375	0	345.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 01:30:53	801858.2	814284	22.15503	113.96375	0.1	343	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 01:36:34	801860.4	814283	22.15505	113.96374	0.1	338.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 01:42:52	801859.3	814285.1	22.15504	113.96376	0.1	341	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 01:48:50	801857.1	814279.9	22.15502	113.96371	0.1	347.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 01:54:56	801858.2	814282	22.15503	113.96373	0	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 02:09:31	801857.1	814285.1	22.15502	113.96376	0.1	355.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 02:12:49	801859.3	814285.1	22.15504	113.96376	0.1	0.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 02:12:56	801859.3	814285.1	22.15504	113.96376	0.1	1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 02:27:47	801859.3	814283	22.15504	113.96374	0.1	339	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 02:30:45	801860.4	814285.1	22.15505	113.96376	0.1	340.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 02:39:31	801858.2	814286.1	22.15503	113.96377	0.1	347.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 02:42:52	801858.2	814286.1	22.15503	113.96377	0.2	336	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 02:54:48	801859.3	814287.1	22.15504	113.96378	0.1	347.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 03:00:57	801859.3	814286.1	22.15504	113.96377	0.1	358	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 03:09:31	801859.3	814282	22.15504	113.96373	0	344.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 03:15:52	801859.3	814287.1	22.15504	113.96378	0	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 03:27:31	801858.2	814282	22.15503	113.96373	0.1	346.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 03:33:52	801859.3	814285.1	22.15504	113.96376	0.1	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 03:42:31	801859.3	814282	22.15504	113.96373	0.1	337.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 03:43:06	801859.3	814282	22.15504	113.96373	0.1	338	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 03:57:34	801861.5	814284	22.15506	113.96375	0.1	347	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 04:09:32	801862.6	814283	22.15507	113.96374	0.1	352.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 04:12:50	801859.3	814284	22.15504	113.96375	0.1	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 04:15:44	801858.2	814280.9	22.15503	113.96372	0.1	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 04:27:44	801857.1	814287.1	22.15502	113.96378	0.1	339.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 04:30:47	801860.4	814284	22.15505	113.96375	0.1	344.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 04:36:32	801858.2	814286.1	22.15503	113.96377	0.2	338.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 04:42:58	801857.1	814283	22.15502	113.96374	0.1	333	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 04:51:31	801858.2	814284	22.15503	113.96375	0.1	330.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 05:03:44	801856	814286.1	22.15501	113.96377	0.1	341.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 05:06:32	801859.3	814283	22.15504	113.96374	0.1	341.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 05:15:41	801860.4	814286.1	22.15505	113.96377	0.1	357	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 05:21:31	801857.1	814283	22.15502	113.96374	0.1	354	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 05:24:50	801857.1	814285.1	22.15502	113.96376	0.1	351.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 05:33:32	801858.2	814284	22.15503	113.96375	0.1	359	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 05:36:47	801858.2	814285.1	22.15503	113.96376	0.1	0.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 05:48:41	801860.4	814284	22.15505	113.96375	0.1	352.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 05:54:49	801856	814280.9	22.15501	113.96372	0.1	348.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 06:03:32	801858.2	814282	22.15503	113.96373	0.1	347.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 06:03:57	801858.2	814282	22.15503	113.96373	0.1	348	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 06:12:49	801854.9	814279.9	22.155	113.96371	0	353.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 06:18:31	801856	814282	22.15501	113.96373	0.1	1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 06:33:32	801858.2	814280.9	22.15503	113.96372	0	349.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 06:33:50	801858.2	814280.9	22.15503	113.96372	0	349	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 06:39:59	801860.4	814284	22.15505	113.96375	0.1	358	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 06:48:31	801858.2	814284	22.15503	113.96375	0.2	358.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 06:54:53	801859.3	814282	22.15504	113.96373	0.1	355.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 07:00:32	801858.2	814283	22.15503	113.96374	0.1	354.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 07:12:33	801859.3	814285.1	22.15504	113.96376	0.1	358.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 07:15:44	801858.2	814278.9	22.15503	113.9637	0.1	348.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 07:27:31	801857.1	814285.1	22.15502	113.96376	0.1	318.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 07:30:45	801856	814285	22.15501	113.96376	0.1	318.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 07:39:45	801862.6	814284	22.15507	113.96375	0.1	339.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 07:42:32	801862.6	814282	22.15507	113.96373	0.1	326.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 07:48:53	801859.3	814286.1	22.15504	113.96377	0.1	332.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 07:57:32	801857.1	814286.1	22.15502	113.96377	0.1	331.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 07:57:50	801857.1	814286.1	22.15502	113.96377	0.1	331	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 08:03:41	801860.4	814284	22.15505	113.96375	0.1	346	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 08:12:49	801856	814282	22.15501	113.96373	0	340	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 08:15:52	801859.3	814283	22.15504	113.96374	0.1	334	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 08:27:34	801857.1	814284	22.15502	113.96375	0.1	340.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 08:39:32	801861.5	814287.1	22.15506	113.96378	0.1	351.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 08:39:55	801861.5	814287.1	22.15506	113.96378	0.1	352	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 08:54:31	801859.3	814282	22.15504	113.96373	0.1	345.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 09:00:36	801861.5	814284	22.15506	113.96375	0.1	340	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 09:06:51	801861.5	814284	22.15506	113.96375	0.1	342	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 09:21:32	801859.3	814287.1	22.15504	113.96378	0.1	339.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 09:24:47	801858.2	814284	22.15503	113.96375	0.2	354	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 09:34:01	801857.1	814286.1	22.15502	113.96377	0.1	342	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 09:39:31	801859.3	814285.1	22.15504	113.96376	0.1	343.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 09:51:33	801861.5	814284	22.15506	113.96375	0.1	343.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 09:52:00	801861.5	814284	22.15506	113.96375	0.1	344	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 10:03:41	801862.6	814284	22.15507	113.96375	0.1	333	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 10:09:31	801863.7	814283	22.15508	113.96374	0.1	333.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 10:10:01	801863.7	814283	22.15508	113.96374	0.1	333	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 10:24:31	801862.6	814280.9	22.15507	113.96372	0.1	335.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 10:30:57	801862.6	814280.9	22.15507	113.96372	0.1	347.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 10:39:31	801863.7	814284	22.15508	113.96375	0.1	349.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 10:42:45	801863.7	814285.1	22.15508	113.96376	0.1	349.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 10:46:01	801860.4	814282	22.15505	113.96373	0.1	257	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 11:03:32	801854.9	814282	22.155	113.96373	0.1	187.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 11:03:50	801854.9	814282	22.155	113.96373	0.1	187	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 11:21:31	801852.6	814276.8	22.15498	113.96368	0.1	191.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 11:24:40	801854.8	814286.1	22.155	113.96377	0.1	186	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 11:33:32	801853.7	814284	22.15499	113.96375	0.1	175.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 11:42:45	801856	814284	22.15501	113.96375	0.1	185	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 11:48:53	801852.6	814286.1	22.15498	113.96377	0.1	190	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 11:57:31	801853.7	814283	22.15499	113.96374	0.1	183.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 12:09:45	801854.9	814280.9	22.155	113.96372	0.1	190.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 12:13:01	801849.3	814287.1	22.15495	113.96378	0.1	191	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 12:27:45	801852.6	814284	22.15498	113.96375	0.1	164.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 12:30:50	801851.5	814281.9	22.15497	113.96373	0.1	189	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 12:36:55	801852.6	814282	22.15498	113.96373	0.1	169	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 12:51:45	801853.7	814286.1	22.15499	113.96377	0.1	190.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 12:52:00	801853.7	814286.1	22.15499	113.96377	0.1	190	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 13:03:49	801854.8	814285	22.155	113.96376	0.2	170	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 13:12:57	801865.9	814285.1	22.1551	113.96376	0.1	324	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 13:21:45	801864.8	814288.2	22.15509	113.96379	0.1	323.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 13:27:45	801856	814273.7	22.15501	113.96365	0.2	242.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 13:30:54	801854.9	814268.5	22.155	113.9636	0.1	262	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 13:36:50	801860.4	814266.5	22.15505	113.96358	0.2	351	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 13:45:45	801860.4	814267.5	22.15505	113.96359	0.1	5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 13:48:54	801857.1	814266.5	22.15502	113.96358	0.2	332	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 14:03:49	801859.3	814264.4	22.15504	113.96356	0.2	344.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 14:09:45	801859.3	814267.5	22.15504	113.96359	0.1	337.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 14:09:49	801859.3	814267.5	22.15504	113.96359	0.1	337	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 14:27:57	801861.5	814263.4	22.15506	113.96355	0.1	356	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 14:39:45	801854.9	814270.6	22.155	113.96362	0.2	343.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 14:51:45	801863.7	814289.2	22.15508	113.9638	0.1	325.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 14:54:44	801862.6	814287.1	22.15507	113.96378	0.1	339.4	ShipXY



**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 15:00:49	801864.8	814287.1	22.15509	113.96378	0.2	343	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 15:09:45	801865.9	814287.1	22.1551	113.96378	0.1	334.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 15:09:59	801865.9	814287.1	22.1551	113.96378	0.1	334	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 15:18:33	801863.7	814288.2	22.15508	113.96379	0.1	341	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 15:27:46	801864.8	814286.1	22.15509	113.96377	0.2	353.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 15:30:49	801867	814290.2	22.15511	113.96381	0.1	331	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 15:45:45	801865.9	814290.2	22.1551	113.96381	0.1	335.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 15:57:46	801865.9	814283	22.1551	113.96374	0.1	326.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 15:57:57	801865.9	814283	22.1551	113.96374	0.1	326	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 16:03:50	801859.3	814285.1	22.15504	113.96376	0.1	324	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 16:15:45	801858.2	814282	22.15503	113.96373	0.2	332.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 16:23:12	801874.6	814418.1	22.15518	113.96505	1.2	72.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 16:29:32	801860.9	814681.2	22.15506	113.9676	1.6	122.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 16:35:53	801717.6	815075	22.15377	113.97142	2.9	91.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 16:41:49	801537.5	815555.4	22.15215	113.97608	2.6	183	ShipXY
HAI YANG SHI YOU 225	Crane Barge	14-DEC-2020 16:47:33	800975.2	815430.9	22.14707	113.97488	4.2	193.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:05:34	801203.4	802636.9	22.14893	113.85085	7.2	339.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:11:44	802444.9	802045.4	22.16013	113.84509	7.4	334	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:17:45	803709.7	801443.8	22.17154	113.83923	7.5	333.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:23:45	804968	800797.9	22.18289	113.83294	7.8	331.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:29:45	806313.8	800123.4	22.19503	113.82637	8.3	340.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:35:47	807811.2	800032	22.20855	113.82545	8.1	7.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:41:44	809275.4	799904.5	22.22177	113.82418	8.1	347.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:47:44	810713.6	799532.6	22.23475	113.82054	7.9	344	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:53:46	812030.6	798897.6	22.24663	113.81435	7.7	334.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:55:38	812424.1	798767.6	22.25018	113.81308	7	346.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:56:37	812631.2	798730	22.25205	113.81271	6.7	350.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:57:37	812799.6	798705.6	22.25357	113.81247	6.6	351.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:58:37	813028.9	798669.1	22.25564	113.81211	6.4	350.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 08:59:44	813256	798635.6	22.25769	113.81178	6.3	351.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:00:37	813412.2	798615.4	22.2591	113.81158	6	352.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:01:52	813620.4	798592.2	22.26098	113.81135	5.7	354.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:02:38	813757.8	798583.2	22.26222	113.81126	5	355.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:03:43	813909.5	798567.1	22.26359	113.8111	5	352.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:04:48	814086.8	798539.7	22.26519	113.81083	5.1	351	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:06:01	814278.4	798506.1	22.26692	113.8105	5.5	349.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:06:45	814423.6	798480.7	22.26823	113.81025	6	349.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:07:44	814613	798445.1	22.26994	113.8099	6.5	349.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:08:43	814816.8	798405.4	22.27178	113.80951	7	348.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:09:44	815034	798360.6	22.27374	113.80907	7.2	347.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:10:44	815260	798307.6	22.27578	113.80855	7.6	347.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:11:43	815490.5	798253.5	22.27786	113.80802	7.8	346.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:12:34	815693.2	798214.8	22.27969	113.80764	7.9	347.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:13:44	815968	798150.6	22.28217	113.80701	8	346.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:14:47	816211.8	798091.4	22.28437	113.80643	8.2	346.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:15:50	816466.6	798035.3	22.28667	113.80588	8.1	346.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:16:58	816751.4	797972.1	22.28924	113.80526	8.1	346.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:17:45	816957.4	797926.3	22.2911	113.80481	8.2	347.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:18:39	817164.6	797877.3	22.29297	113.80433	8.3	346.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:19:48	817458.3	797815.2	22.29562	113.80372	8.3	346.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:20:45	817709.8	797759.1	22.29789	113.80317	8.3	346.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:21:39	817918.1	797710.2	22.29977	113.80269	8.3	346.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:22:39	818165.2	797652.1	22.302	113.80212	8.2	346.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:23:42	818448.7	797628	22.30456	113.80188	8	3.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:24:45	818684.4	797681.2	22.30669	113.80239	7.5	15.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:24:55	818724.3	797693.6	22.30705	113.80251	7.5	16.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:25:48	818908	797749.7	22.30871	113.80305	7.6	17.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:26:54	819171.3	797828.7	22.31109	113.80381	7.8	17.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:27:44	819336.2	797877.5	22.31258	113.80428	7.9	16.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:28:53	819643.8	797973.1	22.31536	113.8052	8	16.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:29:51	819812	798024	22.31688	113.80569	8.1	16.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:30:53	820127.4	798121.6	22.31973	113.80663	8.2	18.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:31:39	820290	798183.8	22.3212	113.80723	8.2	20.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:32:46	820526.7	798281.2	22.32334	113.80817	8.2	22.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:33:45	820802.2	798394.2	22.32583	113.80926	8.2	22.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:34:45	821035.6	798493.7	22.32794	113.81022	8.3	22.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:35:45	821273.4	798594.2	22.33009	113.81119	8.3	22.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:36:45	821506.9	798696.8	22.3322	113.81218	8.3	23.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:37:58	821780.1	798815.9	22.33467	113.81333	8.3	23.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:38:48	821972.6	798900.8	22.33641	113.81415	8.3	23.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:39:38	822171.7	798988.9	22.33821	113.815	8.4	23.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:40:38	822409.5	799095.6	22.34036	113.81603	8.5	23.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:41:38	822650.7	799203.3	22.34254	113.81707	8.4	24.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:42:44	822928.3	799323.4	22.34505	113.81823	8.4	23.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:43:48	823167.3	799429.1	22.34721	113.81925	8.4	23.3	ShipXY



**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:44:48	823405.1	799531.6	22.34936	113.82024	8.4	23.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:45:44	823602	799627.0	22.35114	113.8211	8.4	23.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:46:53	823878.6	799739.8	22.35364	113.82225	8.4	23.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:47:44	824120.8	799842.3	22.35583	113.82324	8.4	23.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:48:36	824277.9	799914.8	22.35725	113.82394	8.4	23.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:49:44	824596.5	800052.5	22.36013	113.82527	8.4	23.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:50:49	824838.8	800157.1	22.36232	113.82628	8.5	23.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:51:54	825118.7	800281.4	22.36485	113.82748	8.5	23.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:52:44	825318.9	800370.4	22.36666	113.82834	8.5	24.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:53:44	825560.1	800479.1	22.36884	113.82939	8.5	24.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:53:54	825599.9	800497.7	22.3692	113.82957	8.5	24.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:54:38	825764.7	800572.3	22.37069	113.83029	8.5	24.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:55:48	826039	800700.6	22.37317	113.83153	8.6	24.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:56:44	826282.4	800811.4	22.37537	113.8326	8.6	24.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:57:44	826524.7	800923.2	22.37756	113.83368	8.6	24.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:58:54	826809	801055.6	22.38013	113.83496	8.7	24.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 09:59:48	827015.8	801148.8	22.382	113.83586	8.7	24.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:00:43	827217.2	801243	22.38382	113.83677	8.7	24	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:01:51	827509.2	801370.3	22.38646	113.838	8.6	23.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:02:38	827708.3	801458.3	22.38826	113.83885	8.6	23.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:03:46	827998.2	801587.6	22.39088	113.8401	8.6	24.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:04:49	828241.6	801697.3	22.39308	113.84116	8.6	23.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:05:45	828486.1	801802.9	22.39529	113.84218	8.6	22.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:06:46	828731.7	801906.4	22.39751	113.84318	8.6	22.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:07:49	828976.2	802011	22.39972	113.84419	8.6	23.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:08:42	829173.1	802095.9	22.4015	113.84501	8.6	23.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:09:37	829415.4	802205.5	22.40369	113.84607	8.6	23.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:10:45	829713	802339	22.40638	113.84736	8.7	24.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:11:37	829912.1	802427	22.40818	113.84821	8.7	24.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:12:44	830163.2	802543.9	22.41045	113.84934	8.7	24.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:13:48	830448.6	802674.2	22.41303	113.8506	8.7	24.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:14:34	830612.4	802749.8	22.41451	113.85133	8.7	24.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:15:44	830922	802930.6	22.41731	113.85308	8.6	33.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:16:44	831136.5	803090.6	22.41925	113.85463	8.5	38.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:17:34	831305.7	803227.9	22.42078	113.85596	8.5	40.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:18:44	831532.2	803432.3	22.42283	113.85794	8.4	42.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:19:44	831685.8	803585	22.42422	113.85942	8.4	44.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:20:53	831900.2	803798.5	22.42616	113.86149	8.4	45.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:21:48	832083.7	803983.2	22.42782	113.86328	8.4	44.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:22:44	832269.3	804164.8	22.4295	113.86504	8.4	43.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:23:44	832456.1	804341.2	22.43119	113.86675	8.4	43.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:24:44	832646.2	804518.7	22.43291	113.86847	8.4	43.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:25:44	832836.3	804696.1	22.43463	113.87019	8.4	42	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:26:44	833027.5	804874.6	22.43636	113.87192	8.5	42.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:27:44	833216.5	805050	22.43807	113.87362	8	42.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:28:48	833398.9	805209.9	22.43972	113.87517	7.5	41.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:29:45	833544.8	805330.7	22.44104	113.87634	7.2	40.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:30:43	833711.8	805471	22.44255	113.8777	6.9	40.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:31:54	833899.7	805620.6	22.44425	113.87915	6.6	37.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:32:38	834036.9	805721.8	22.44549	113.88013	6.6	37.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:33:48	834241.5	805850.9	22.44734	113.88138	6.9	28.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:34:43	834439.5	805942.9	22.44913	113.88227	7.2	19.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:35:43	834625.4	805990.6	22.45081	113.88273	7.3	11.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:37:48	835107.2	805982.3	22.45516	113.88264	7.2	352.9	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:39:44	835534.7	805952.2	22.45902	113.88234	6.5	356.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:41:48	835894.6	805939.6	22.46227	113.88221	5.3	356.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:43:44	836209.2	805909.3	22.46511	113.88191	5	356	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:45:44	836520.4	805887.3	22.46792	113.88169	4.9	356.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:47:37	836790.6	805873.4	22.47036	113.88155	4.8	356.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:49:44	837099.6	805854.4	22.47315	113.88136	4.1	354.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:51:55	837278	805806.4	22.47476	113.88089	2.1	335.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:53:45	837329	805752	22.47522	113.88036	0.6	268.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:55:45	837309	805781.8	22.47504	113.88065	1.1	116.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:57:39	837287.9	805851.7	22.47485	113.88133	1.4	85.7	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 10:59:43	837299.9	805936.1	22.47496	113.88215	1.1	88.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:01:38	837293.1	805999.9	22.4749	113.88277	1.1	105.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:03:48	837259.8	806070.9	22.4746	113.88346	1.1	114.5	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:05:36	837247.5	806117.2	22.47449	113.88391	0.8	101.1	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:07:44	837234.1	806161.4	22.47437	113.88434	0.6	120.6	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:09:18	837221.9	806179.9	22.47426	113.88452	0.3	123.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:11:48	837206.4	806183	22.47412	113.88455	0.3	176.3	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:11:59	837205.3	806183	22.47411	113.88455	0.3	176.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:15:22	837187.5	806186	22.47395	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:24:22	837186.4	806182.9	22.47394	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:27:18	837183.1	806178.8	22.47391	113.88451	0.1	177.8	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:30:22	837178.7	806177.8	22.47387	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:39:22	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:51:22	837172.1	806177.7	22.47381	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 11:57:22	837175.4	806183.9	22.47384	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:03:22	837179.8	806180.8	22.47388	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:09:28	837179.8	806178.8	22.47388	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:15:22	837179.8	806179.8	22.47388	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:18:32	837182	806182.9	22.4739	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:21:29	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:27:22	837179.8	806181.9	22.47388	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:33:32	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:39:22	837179.8	806179.8	22.47388	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:39:33	837179.8	806179.8	22.47388	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:45:26	837178.7	806180.8	22.47387	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:51:28	837183.1	806175.7	22.47391	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 12:57:29	837178.7	806176.7	22.47387	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:03:26	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:09:22	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:15:22	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:21:22	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:27:18	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:30:22	837175.4	806181.9	22.47384	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:36:22	837176.5	806182.9	22.47385	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:45:19	837177.6	806186	22.47386	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:48:22	837176.5	806181.9	22.47385	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:54:22	837166.5	806181.8	22.47376	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 13:57:25	837177.6	806176.7	22.47386	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 14:03:22	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 14:15:22	837176.5	806180.8	22.47385	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 14:21:22	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 14:27:22	837173.2	806180.8	22.47382	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 14:33:22	837172	806189.1	22.47381	113.88461	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 14:39:22	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 14:45:22	837168.7	806179.8	22.47378	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 14:51:22	837173.2	806182.9	22.47382	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 14:57:22	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 14:57:28	837174.3	806182.9	22.47383	113.88455	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 15:03:22	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 15:09:22	837176.5	806181.9	22.47385	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 15:15:22	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 15:21:22	837176.5	806182.9	22.47385	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 15:39:18	837173.2	806177.7	22.47382	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 15:42:22	837174.3	806181.9	22.47383	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 15:45:35	837178.7	806180.8	22.47387	113.88453	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 15:48:22	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 15:57:22	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:03:22	837176.5	806182.9	22.47385	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:09:22	837182	806182.9	22.4739	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:15:22	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:21:22	837174.3	806181.9	22.47383	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:27:22	837178.7	806180.8	22.47387	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:27:32	837178.7	806180.8	22.47387	113.88453	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:36:22	837179.8	806183.9	22.47388	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:42:22	837178.7	806181.9	22.47387	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:45:18	837182	806183.9	22.4739	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:48:22	837179.8	806185	22.47388	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:54:22	837182	806187	22.4739	113.88459	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:57:19	837173.2	806175.7	22.47382	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 16:57:22	837173.2	806175.7	22.47382	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:03:35	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:09:22	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:15:27	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:18:28	837176.5	806181.9	22.47385	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:21:22	837178.7	806182.9	22.47387	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:30:22	837173.2	806181.9	22.47382	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:36:18	837174.3	806185	22.47383	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:39:28	837170.9	806184.9	22.4738	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:45:27	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:51:18	837173.2	806182.9	22.47382	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:54:23	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 17:54:37	837177.6	806180.8	22.47386	113.88453	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:00:23	837174.3	806181.9	22.47383	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:00:28	837174.3	806181.9	22.47383	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:09:18	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:12:32	837176.5	806181.9	22.47385	113.88454	0	178	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:15:23	837172.1	806175.7	22.47381	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:21:23	837170.9	806183.9	22.4738	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:27:18	837178.7	806177.8	22.47387	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:27:33	837178.7	806177.8	22.47387	113.8845	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:39:23	837177.6	806181.9	22.47386	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:45:23	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:54:23	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:57:27	837169.8	806184.9	22.47379	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 18:57:41	837169.8	806184.9	22.47379	113.88457	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 19:03:23	837176.5	806176.7	22.47385	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 19:09:23	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 19:18:19	837177.6	806181.9	22.47386	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 19:21:23	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 19:27:23	837173.2	806181.9	22.47382	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 19:33:23	837176.5	806181.9	22.47385	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 19:39:23	837175.4	806177.7	22.47384	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 19:45:23	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 19:51:23	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:00:23	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:00:41	837173.2	806178.8	22.47382	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:06:23	837174.3	806181.9	22.47383	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:09:18	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:12:23	837172	806182.9	22.47381	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:18:23	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:27:18	837179.8	806175.7	22.47388	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:33:23	837173.2	806172.6	22.47382	113.88445	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:39:23	837176.5	806173.6	22.47385	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:39:34	837176.5	806173.6	22.47385	113.88446	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:45:18	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:48:23	837173.2	806180.8	22.47382	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:51:27	837176.5	806178.8	22.47385	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 20:54:23	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 21:00:32	837176.5	806180.8	22.47385	113.88453	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 21:12:29	837176.5	806177.8	22.47385	113.8845	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 21:15:18	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 21:15:33	837176.5	806178.8	22.47385	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 21:24:23	837175.4	806176.7	22.47384	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 21:33:23	837179.8	806177.8	22.47388	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 21:39:23	837178.7	806180.8	22.47387	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 21:45:23	837175.4	806177.7	22.47384	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 21:51:23	837176.5	806191.1	22.47385	113.88463	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 21:57:23	837180.9	806185	22.47389	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:03:23	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:06:23	837168.7	806176.7	22.47378	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:12:23	837169.9	806173.6	22.47379	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:18:19	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:24:23	837167.6	806182.9	22.47377	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:30:29	837176.5	806183.9	22.47385	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:33:18	837172.1	806180.8	22.47381	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:39:23	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:42:28	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:45:23	837175.4	806181.9	22.47384	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:45:37	837175.4	806181.9	22.47384	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:51:23	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 22:57:23	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:00:29	837174.3	806176.7	22.47383	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:03:23	837172.1	806173.6	22.47381	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:06:28	837172.1	806175.7	22.47381	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:09:23	837169.9	806172.6	22.47379	113.88445	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:18:23	837171	806177.7	22.4738	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:24:23	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:27:18	837172.1	806178.8	22.47381	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:30:30	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:36:23	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:42:23	837174.3	806176.7	22.47383	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:48:23	837169.8	806181.9	22.47379	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:54:23	837173.2	806181.9	22.47382	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	18-DEC-2020 23:57:18	837172.1	806181.9	22.47381	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 00:00:23	837169.8	806183.9	22.47379	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 00:03:34	837173.2	806179.8	22.47382	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 00:12:19	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 00:15:23	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 00:21:23	837172.1	806179.8	22.47381	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 00:27:23	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 00:39:23	837170.9	806187	22.4738	113.88459	0	177.8	ShipXY



**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 00:45:23	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 00:51:23	837166.5	806184.9	22.47376	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 00:54:23	837172.1	806177.7	22.47381	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:00:23	837170.9	806181.9	22.4738	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:06:23	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:09:18	837179.8	806181.9	22.47388	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:12:28	837172.1	806181.9	22.47381	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:18:23	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:24:23	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:27:29	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:30:30	837172.1	806178.8	22.47381	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:42:23	837172.1	806177.7	22.47381	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:45:18	837172.1	806180.8	22.47381	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:54:23	837173.2	806183.9	22.47382	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 01:57:19	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:00:23	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:09:23	837175.4	806176.7	22.47384	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:15:19	837175.4	806175.7	22.47384	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:18:23	837169.8	806178.8	22.47379	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:24:23	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:27:28	837172.1	806178.8	22.47381	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:39:26	837175.4	806175.7	22.47384	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:45:26	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:51:26	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:51:29	837175.4	806178.8	22.47384	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 02:57:23	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:06:23	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:09:29	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:12:30	837172.1	806175.7	22.47381	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:15:18	837173.2	806183.9	22.47382	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:18:23	837173.2	806180.8	22.47382	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:21:29	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:24:23	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:27:19	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:30:23	837174.3	806177.7	22.47383	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:33:29	837179.8	806178.8	22.47388	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:39:31	837176.5	806175.7	22.47385	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:45:31	837178.7	806176.7	22.47387	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 03:51:29	837173.2	806176.7	22.47382	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 04:09:32	837174.3	806177.7	22.47383	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 04:15:29	837176.5	806175.7	22.47385	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 04:21:30	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 04:27:18	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 04:39:28	837177.6	806177.8	22.47386	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 04:42:23	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 04:45:28	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 04:48:28	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 04:51:31	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 04:57:30	837173.2	806176.7	22.47382	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:06:23	837175.4	806176.7	22.47384	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:09:18	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:12:29	837175.4	806176.7	22.47384	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:18:33	837174.3	806177.7	22.47383	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:24:29	837173.2	806180.8	22.47382	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:27:30	837177.6	806176.7	22.47386	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:30:27	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:33:29	837167.6	806179.8	22.47377	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:39:28	837173.2	806180.8	22.47382	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:45:19	837168.7	806183.9	22.47378	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:51:29	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 05:57:25	837164.3	806183.9	22.47374	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:00:31	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:03:26	837169.8	806179.8	22.47379	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:06:01	837169.8	806179.8	22.47379	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:15:28	837173.2	806181.9	22.47382	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:21:31	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:27:31	837165.4	806176.7	22.47375	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:33:30	837170.9	806181.9	22.4738	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:39:31	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:40:20	837176.5	806177.8	22.47385	113.8845	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:40:27	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:48:30	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 06:54:18	837177.6	806172.6	22.47386	113.88445	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:00:24	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:06:29	837168.7	806180.8	22.47378	113.88453	0	177.8	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:09:30	837180.9	806177.8	22.47389	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:12:24	837179.8	806179.8	22.47388	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:24:28	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:27:18	837175.4	806176.7	22.47384	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:36:24	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:39:19	837174.3	806176.7	22.47383	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:48:24	837173.2	806181.9	22.47382	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:57:28	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 07:57:38	837173.2	806178.8	22.47382	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:03:18	837172.1	806178.8	22.47381	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:12:24	837172.1	806176.7	22.47381	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:15:30	837172	806182.9	22.47381	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:18:24	837169.8	806180.8	22.47379	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:21:18	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:24:17	837176.5	806178.8	22.47385	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:33:34	837176.5	806178.8	22.47385	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:39:18	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:48:24	837176.5	806176.7	22.47385	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:51:30	837174.3	806170.5	22.47383	113.88443	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 08:51:37	837174.3	806170.5	22.47383	113.88443	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:00:29	837169.8	806180.8	22.47379	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:03:31	837174.3	806180.8	22.47383	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:07:02	837172.1	806181.9	22.47381	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:15:29	837173.2	806182.9	22.47382	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:15:34	837173.2	806182.9	22.47382	113.88455	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:21:31	837172.1	806181.9	22.47381	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:22:08	837172.1	806181.9	22.47381	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:36:24	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:39:30	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:48:24	837186.4	806182.9	22.47394	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:51:29	837179.8	806179.8	22.47388	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:54:24	837178.7	806176.7	22.47387	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 09:54:25	837178.7	806176.7	22.47387	113.88449	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:06:24	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:09:19	837176.5	806186	22.47385	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:18:33	837179.8	806179.8	22.47388	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:24:24	837164.3	806189	22.47374	113.88461	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:27:18	837166.5	806180.8	22.47376	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:39:19	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:42:24	837170.9	806179.8	22.4738	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:42:31	837170.9	806179.8	22.4738	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:48:24	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:57:19	837175.4	806177.7	22.47384	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 10:57:34	837175.4	806177.7	22.47384	113.8845	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 11:15:18	837175.4	806175.7	22.47384	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 11:15:32	837175.4	806175.7	22.47384	113.88448	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 11:33:18	837177.6	806177.8	22.47386	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 11:45:28	837173.2	806173.6	22.47382	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 11:51:31	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 12:00:18	837177.6	806173.6	22.47386	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 12:09:30	837178.7	806179.8	22.47387	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 12:15:18	837179.8	806178.8	22.47388	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 12:24:31	837179.8	806180.8	22.47388	113.88453	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 12:33:18	837182	806180.8	22.4739	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 12:45:19	837177.6	806177.8	22.47386	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 12:45:33	837177.6	806177.8	22.47386	113.8845	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 13:03:18	837179.8	806178.8	22.47388	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 13:06:33	837176.5	806174.7	22.47385	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 13:09:32	837178.7	806178.8	22.47387	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 13:18:24	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 13:21:28	837177.6	806181.9	22.47386	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 13:24:24	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 13:27:18	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 13:30:24	837175.4	806175.7	22.47384	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 13:45:18	837178.7	806179.8	22.47387	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 13:48:24	837179.8	806173.6	22.47388	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:06:24	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:09:18	837176.5	806175.7	22.47385	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:12:31	837178.7	806177.8	22.47387	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:18:24	837178.7	806177.8	22.47387	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:21:19	837179.8	806178.8	22.47388	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:27:27	837179.8	806179.8	22.47388	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:27:38	837179.8	806179.8	22.47388	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:36:24	837176.5	806176.7	22.47385	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:45:18	837172	806184.9	22.47381	113.88457	0	177.8	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:48:24	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 14:54:24	837182	806178.8	22.4739	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:00:24	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:03:18	837178.7	806185	22.47387	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:09:31	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:12:32	837178.7	806178.8	22.47387	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:18:24	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:21:19	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:24:24	837180.9	806179.8	22.47389	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:27:39	837179.8	806177.8	22.47388	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:30:24	837185.3	806180.9	22.47393	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:33:27	837175.4	806186	22.47384	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:36:24	837178.7	806179.8	22.47387	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:39:18	837177.6	806175.7	22.47386	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:48:24	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:51:29	837169.8	806177.7	22.47379	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:54:24	837180.9	806181.9	22.47389	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 15:57:37	837176.5	806180.8	22.47385	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:00:24	837178.7	806180.8	22.47387	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:03:36	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:06:24	837178.7	806181.9	22.47387	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:12:24	837178.7	806183.9	22.47387	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:18:37	837175.4	806181.9	22.47384	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:24:24	837179.8	806177.8	22.47388	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:30:24	837179.8	806181.9	22.47388	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:33:28	837177.6	806185	22.47386	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:39:24	837179.8	806180.8	22.47388	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:45:35	837176.5	806182.9	22.47385	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:51:24	837165.4	806174.6	22.47375	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 16:57:18	837168.7	806186	22.47378	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:00:24	837175.4	806181.9	22.47384	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:03:28	837176.5	806180.8	22.47385	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:09:24	837177.6	806177.8	22.47386	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:15:24	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:18:25	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:33:36	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:36:25	837178.7	806181.9	22.47387	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:39:29	837173.1	806187	22.47382	113.88459	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:42:25	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:48:25	837176.5	806181.9	22.47385	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:51:29	837178.7	806179.8	22.47387	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:54:25	837177.6	806183.9	22.47386	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 17:57:37	837169.8	806174.7	22.47379	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:03:36	837173.2	806184.9	22.47382	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:06:41	837180.9	806176.7	22.47389	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:09:28	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:09:30	837176.5	806179.8	22.47385	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:15:25	837168.7	806181.9	22.47378	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:21:37	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:27:36	837177.6	806174.7	22.47386	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:30:28	837178.7	806182.9	22.47387	113.88455	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:33:37	837175.4	806181.9	22.47384	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:39:37	837179.8	806177.8	22.47388	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:40:32	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:48:25	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:51:37	837175.4	806173.6	22.47384	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:54:25	837175.4	806187	22.47384	113.88459	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 18:57:37	837179.8	806178.8	22.47388	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:00:25	837176.5	806176.7	22.47385	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:03:36	837179.8	806179.8	22.47388	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:06:30	837180.9	806177.8	22.47389	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:12:25	837182	806178.8	22.4739	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:15:18	837179.8	806180.8	22.47388	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:18:37	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:24:25	837173.1	806188	22.47382	113.8846	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:33:25	837182	806176.7	22.4739	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:36:28	837168.7	806173.6	22.47378	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:39:25	837175.4	806177.7	22.47384	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:42:25	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:45:25	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:51:33	837176.5	806175.7	22.47385	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:57:19	837172.1	806175.7	22.47381	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 19:57:37	837172.1	806175.7	22.47381	113.88448	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:03:30	837167.6	806189.1	22.47377	113.88461	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:09:25	837173.2	806180.8	22.47382	113.88453	0	177.8	ShipXY



**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:15:31	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:21:27	837175.4	806181.9	22.47384	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:24:30	837176.5	806176.7	22.47385	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:27:25	837168.8	806168.5	22.47378	113.88441	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:33:28	837172	806182.9	22.47381	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:39:25	837169.8	806176.7	22.47379	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:45:25	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:51:26	837177.6	806173.6	22.47386	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 20:57:30	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:03:30	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:04:50	837175.4	806176.7	22.47384	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:12:26	837177.6	806177.8	22.47386	113.8845	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:21:27	837176.5	806173.6	22.47385	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:27:25	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:28:40	837179.8	806176.7	22.47388	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:33:25	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:39:18	837176.5	806176.7	22.47385	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:39:25	837176.5	806176.7	22.47385	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:45:25	837177.6	806182.9	22.47386	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:51:25	837168.7	806174.6	22.47378	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:57:18	837166.5	806181.8	22.47376	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 21:57:25	837166.5	806181.8	22.47376	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 22:03:33	837172.1	806179.8	22.47381	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 22:15:28	837165.4	806172.6	22.47375	113.88445	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 22:21:27	837175.4	806183.9	22.47384	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 22:24:34	837172	806182.9	22.47381	113.88455	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 22:33:18	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 22:45:28	837171	806176.7	22.4738	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 22:54:28	837170.9	806178.8	22.4738	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 22:57:18	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:03:25	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:06:41	837174.3	806179.8	22.47383	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:12:27	837174.3	806177.7	22.47383	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:15:29	837173.2	806177.7	22.47382	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:18:26	837175.4	806175.7	22.47384	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:27:25	837169.8	806183.9	22.47379	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:33:27	837172.1	806180.8	22.47381	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:39:36	837174.3	806181.9	22.47383	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:39:37	837174.3	806181.9	22.47383	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:45:28	837173.2	806182.9	22.47382	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:48:31	837175.4	806182.9	22.47384	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:51:25	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:54:31	837170.9	806184.9	22.4738	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	19-DEC-2020 23:57:36	837168.7	806186	22.47378	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:03:29	837173.2	806181.9	22.47382	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:06:25	837172.1	806179.8	22.47381	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:09:29	837169.8	806181.9	22.47379	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:12:25	837169.8	806183.9	22.47379	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:21:18	837175.4	806177.7	22.47384	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:24:31	837174.3	806180.8	22.47383	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:30:25	837169.8	806186	22.47379	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:33:36	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:36:25	837174.3	806185	22.47383	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:42:25	837174.3	806176.7	22.47383	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:45:29	837173.2	806183.9	22.47382	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:51:29	837170.9	806181.9	22.4738	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 00:57:35	837170.9	806186	22.4738	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:00:25	837168.7	806186	22.47378	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:09:30	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:09:32	837173.2	806179.8	22.47382	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:18:30	837176.5	806182.9	22.47385	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:24:29	837173.2	806177.7	22.47382	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:27:18	837173.2	806181.9	22.47382	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:30:25	837172.1	806177.7	22.47381	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:33:31	837178.7	806177.8	22.47387	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:36:25	837167.6	806179.8	22.47377	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:42:25	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:45:18	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:48:32	837172.1	806179.8	22.47381	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:51:25	837174.3	806181.9	22.47383	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:54:25	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 01:57:19	837177.6	806176.7	22.47386	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:00:25	837169.8	806177.7	22.47379	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:15:25	837169.8	806180.8	22.47379	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:24:29	837170.9	806180.8	22.4738	113.88453	0	177.8	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:27:31	837173.1	806186	22.47382	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:30:27	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:33:30	837173.2	806181.9	22.47382	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:33:34	837173.2	806181.9	22.47382	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:36:25	837170.9	806181.9	22.4738	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:42:25	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:48:31	837177.6	806176.7	22.47386	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:51:25	837177.6	806183.9	22.47386	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:54:29	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 02:57:25	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:03:25	837170.9	806179.8	22.4738	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:09:25	837167.6	806189.1	22.47377	113.88461	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:15:25	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:15:36	837175.4	806179.8	22.47384	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:21:25	837180.9	806177.8	22.47389	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:27:30	837176.5	806180.8	22.47385	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:36:25	837178.7	806176.7	22.47387	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:39:31	837178.7	806176.7	22.47387	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:42:25	837178.7	806181.9	22.47387	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:48:31	837177.6	806177.8	22.47386	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:54:25	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:57:18	837182	806175.7	22.4739	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 03:57:25	837182	806175.7	22.4739	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 04:03:25	837180.9	806174.7	22.47389	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 04:09:25	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 04:15:25	837173.2	806172.6	22.47382	113.88445	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 04:21:33	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 04:27:28	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 04:33:25	837177.6	806177.8	22.47386	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 04:39:29	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 04:45:30	837176.5	806175.7	22.47385	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 04:51:34	837172.1	806180.8	22.47381	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:00:40	837180.9	806181.9	22.47389	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:03:29	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:09:30	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:15:28	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:18:29	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:21:18	837167.6	806178.8	22.47377	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:27:31	837175.4	806177.7	22.47384	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:30:32	837169.8	806178.8	22.47379	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:33:26	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:36:33	837169.8	806182.9	22.47379	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:39:26	837162.1	806183.9	22.47372	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:39:34	837162.1	806183.9	22.47372	113.88456	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:45:30	837168.7	806175.7	22.47378	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 05:51:26	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 06:03:30	837165.4	806186	22.47375	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 06:09:30	837172.1	806179.8	22.47381	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 06:15:30	837173.2	806180.8	22.47382	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 06:21:26	837168.7	806177.7	22.47378	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 06:27:31	837164.3	806182.9	22.47374	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 06:33:31	837177.6	806175.7	22.47386	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 06:39:32	837174.3	806176.7	22.47383	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 06:45:32	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 06:51:34	837176.5	806175.7	22.47385	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 06:57:34	837169.8	806175.7	22.47379	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:03:26	837178.7	806176.7	22.47387	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:09:26	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:09:42	837175.4	806178.8	22.47384	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:15:32	837171	806170.5	22.4738	113.88443	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:18:33	837173.2	806174.7	22.47382	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:21:26	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:27:33	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:27:35	837176.5	806178.8	22.47385	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:33:26	837175.4	806177.7	22.47384	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:36:38	837172.1	806177.7	22.47381	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:39:26	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:39:32	837173.2	806178.8	22.47382	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:45:33	837172.1	806179.8	22.47381	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:51:26	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 07:57:26	837164.3	806186	22.47374	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:03:39	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:09:26	837171	806172.6	22.4738	113.88445	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:09:34	837171	806172.6	22.4738	113.88445	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:15:39	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:21:26	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:27:38	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:33:38	837170.9	806181.9	22.4738	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:39:26	837179.8	806175.7	22.47388	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:45:26	837178.7	806175.7	22.47387	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:51:43	837174.3	806183.9	22.47383	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 08:57:26	837169.8	806189.1	22.47379	113.88461	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:00:38	837170.9	806181.9	22.4738	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:03:26	837172	806182.9	22.47381	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:09:26	837173.2	806181.9	22.47382	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:15:26	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:21:36	837172	806182.9	22.47381	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:27:39	837169.8	806181.9	22.47379	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:33:26	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:39:39	837176.5	806180.8	22.47385	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:45:26	837186.5	806179.8	22.47394	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:48:38	837184.2	806178.8	22.47392	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:54:32	837176.5	806181.9	22.47385	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 09:57:19	837180.9	806178.8	22.47389	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:00:39	837167.6	806188	22.47377	113.8846	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:03:32	837179.8	806181.9	22.47388	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:06:39	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:09:30	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:12:39	837176.5	806185	22.47385	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:18:40	837173.2	806183.9	22.47382	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:21:18	837180.9	806178.8	22.47389	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:27:39	837179.8	806181.9	22.47388	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:33:30	837179.8	806176.7	22.47388	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:36:38	837172.1	806181.9	22.47381	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:39:26	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 10:57:37	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:03:18	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:15:26	837177.6	806176.7	22.47386	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:21:26	837178.7	806179.8	22.47387	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:27:38	837166.5	806188	22.47376	113.8846	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:30:31	837182	806174.7	22.4739	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:33:26	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:36:40	837177.6	806177.8	22.47386	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:39:41	837175.4	806178.8	22.47384	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:45:26	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:51:19	837176.5	806180.8	22.47385	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 11:54:33	837180.9	806178.8	22.47389	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:00:40	837178.7	806179.8	22.47387	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:06:40	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:09:33	837179.8	806177.8	22.47388	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:15:26	837179.8	806176.7	22.47388	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:21:41	837180.9	806176.7	22.47389	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:27:26	837178.7	806181.9	22.47387	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:30:41	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:33:26	837179.8	806178.8	22.47388	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:39:18	837179.8	806180.8	22.47388	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:39:35	837179.8	806180.8	22.47388	113.88453	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:45:41	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:51:40	837178.7	806185	22.47387	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:54:32	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 12:57:26	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 13:00:38	837176.5	806170.5	22.47385	113.88443	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 13:06:18	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 13:09:40	837175.4	806176.7	22.47384	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 13:15:39	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 13:18:26	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 13:24:39	837174.3	806176.7	22.47383	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 13:30:25	837173.2	806180.8	22.47382	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 13:39:32	837174.3	806185	22.47383	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 13:45:31	837174.3	806174.7	22.47383	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 13:57:31	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 14:03:32	837173.2	806184.9	22.47382	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 14:15:26	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 14:21:26	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 14:30:19	837172.1	806172.6	22.47381	113.88445	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 14:33:26	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 14:39:26	837170.9	806186	22.4738	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 14:45:26	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 14:51:26	837176.5	806174.7	22.47385	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 14:51:34	837176.5	806174.7	22.47385	113.88447	0	178	ShipXY



**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:03:26	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:03:34	837177.6	806179.8	22.47386	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:09:26	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:15:26	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:21:32	837177.6	806176.7	22.47386	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:27:35	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:27:38	837176.5	806178.8	22.47385	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:33:26	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:39:26	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:48:18	837179.8	806180.8	22.47388	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:48:31	837179.8	806180.8	22.47388	113.88453	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 15:57:26	837178.7	806177.8	22.47387	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:03:18	837175.4	806181.9	22.47384	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:03:31	837175.4	806181.9	22.47384	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:15:26	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:15:35	837178.7	806178.8	22.47387	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:21:29	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:27:26	837177.6	806182.9	22.47386	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:33:26	837178.7	806180.8	22.47387	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:39:26	837173.1	806187	22.47382	113.88459	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:45:26	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:51:18	837182	806191.1	22.4739	113.88463	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:51:42	837182	806191.1	22.4739	113.88463	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 16:57:26	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:03:26	837176.5	806175.7	22.47385	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:09:27	837174.3	806177.7	22.47383	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:09:37	837174.3	806177.7	22.47383	113.8845	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:12:38	837176.5	806176.7	22.47385	113.88449	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:21:27	837177.6	806179.8	22.47386	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:27:18	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:27:36	837174.3	806178.8	22.47383	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:39:19	837177.6	806180.8	22.47386	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:42:27	837169.8	806183.9	22.47379	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:45:32	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:54:18	837166.5	806187	22.47376	113.88459	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 17:57:27	837172	806182.9	22.47381	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 18:09:27	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 18:15:27	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 18:21:31	837178.7	806181.9	22.47387	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 18:27:33	837175.4	806183.9	22.47384	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 18:33:30	837178.7	806178.8	22.47387	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 18:39:27	837179.8	806180.8	22.47388	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 18:45:27	837176.5	806177.8	22.47385	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 18:51:27	837183.1	806185	22.47391	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:03:27	837178.7	806179.8	22.47387	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:09:27	837170.9	806190.1	22.4738	113.88462	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:15:27	837180.9	806176.7	22.47389	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:21:27	837172	806188	22.47381	113.8846	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:24:29	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:30:36	837173.2	806178.8	22.47382	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:33:30	837168.7	806187	22.47378	113.88459	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:39:27	837175.4	806173.6	22.47384	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:45:27	837169.8	806181.9	22.47379	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:51:33	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:51:41	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 19:57:32	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:03:33	837172	806184.9	22.47381	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:09:32	837176.5	806180.8	22.47385	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:15:27	837174.3	806177.7	22.47383	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:18:31	837178.7	806174.7	22.47387	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:21:27	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:27:19	837173.2	806174.7	22.47382	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:30:27	837176.5	806165.4	22.47385	113.88438	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:33:30	837175.4	806174.7	22.47384	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:33:36	837175.4	806174.7	22.47384	113.88447	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:39:27	837174.3	806175.7	22.47383	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:42:36	837177.6	806175.7	22.47386	113.88448	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:45:27	837178.7	806173.6	22.47387	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:48:30	837172	806184.9	22.47381	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:51:27	837173.2	806177.7	22.47382	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 20:57:27	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:03:33	837178.7	806176.7	22.47387	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:09:32	837174.3	806177.7	22.47383	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:15:34	837177.6	806177.8	22.47386	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:21:27	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:21:33	837175.4	806178.8	22.47384	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:27:30	837178.7	806179.8	22.47387	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:33:27	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:33:40	837174.3	806179.8	22.47383	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:39:32	837179.8	806182.9	22.47388	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:45:30	837177.6	806187	22.47386	113.88459	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:51:32	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:57:34	837175.4	806183.9	22.47384	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 21:57:38	837175.4	806183.9	22.47384	113.88456	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:03:27	837175.4	806174.7	22.47384	113.88447	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:09:31	837163.2	806176.7	22.47373	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:15:32	837170.9	806181.9	22.4738	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:18:18	837167.6	806184.9	22.47377	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:21:30	837168.7	806186	22.47378	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:27:27	837170.9	806184.9	22.4738	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:30:19	837172.1	806179.8	22.47381	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:33:27	837175.4	806181.9	22.47384	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:39:27	837173.2	806180.8	22.47382	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:45:31	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:45:34	837176.5	806179.8	22.47385	113.88452	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:51:33	837177.6	806176.7	22.47386	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 22:51:39	837177.6	806176.7	22.47386	113.88449	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:06:19	837173.2	806175.7	22.47382	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:09:27	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:12:38	837171	806175.7	22.4738	113.88448	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:18:32	837174.3	806178.8	22.47383	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:19:51	837175.4	806182.9	22.47384	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:21:35	837175.4	806182.9	22.47384	113.88455	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:33:27	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:39:27	837178.7	806179.8	22.47387	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:45:27	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:48:18	837170.9	806181.9	22.4738	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:51:27	837173.2	806184.9	22.47382	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	20-DEC-2020 23:57:27	837174.3	806182.9	22.47383	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:03:20	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:09:27	837177.6	806177.8	22.47386	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:15:27	837176.5	806181.9	22.47385	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:15:43	837176.5	806181.9	22.47385	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:21:27	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:30:28	837176.5	806179.8	22.47385	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:33:27	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:39:18	837173.2	806180.8	22.47382	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:45:27	837168.7	806184.9	22.47378	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:51:27	837172.1	806180.8	22.47381	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:54:18	837176.5	806182.9	22.47385	113.88455	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 00:57:27	837168.7	806183.9	22.47378	113.88456	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:03:27	837176.5	806186	22.47385	113.88458	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:09:18	837177.6	806189.1	22.47386	113.88461	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:15:27	837172	806187	22.47381	113.88459	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:27:27	837172.1	806177.7	22.47381	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:27:39	837172.1	806177.7	22.47381	113.8845	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:42:18	837169.8	806175.7	22.47379	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:45:38	837168.7	806178.8	22.47378	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:51:27	837176.5	806180.8	22.47385	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:51:40	837176.5	806180.8	22.47385	113.88453	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:54:33	837174.3	806178.8	22.47383	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 01:57:27	837173.2	806178.8	22.47382	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:03:27	837174.3	806176.7	22.47383	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:03:42	837174.3	806176.7	22.47383	113.88449	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:09:27	837159.9	806173.6	22.4737	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:15:18	837174.3	806180.8	22.47383	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:21:44	837173.2	806178.8	22.47382	113.88451	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:27:27	837173.2	806184.9	22.47382	113.88457	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:33:32	837167.6	806176.7	22.47377	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:39:27	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:45:27	837179.8	806177.8	22.47388	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:48:18	837172.1	806178.8	22.47381	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 02:57:27	837174.3	806180.8	22.47383	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:00:39	837174.3	806175.7	22.47383	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:09:27	837169.8	806188	22.47379	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:09:41	837169.8	806188	22.47379	113.88446	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:12:35	837176.5	806178.8	22.47385	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:15:27	837175.4	806176.7	22.47384	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:18:38	837174.3	806177.7	22.47383	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:33:38	837174.3	806176.7	22.47383	113.88449	0	177.8	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:39:27	837178.7	806181.9	22.47387	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:45:38	837178.7	806173.6	22.47387	113.88446	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:51:18	837177.6	806178.8	22.47386	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 03:57:35	837175.4	806178.8	22.47384	113.88451	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 04:09:27	837174.3	806180.8	22.47383	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 04:15:27	837168.7	806181.9	22.47378	113.88454	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 04:15:35	837168.7	806181.9	22.47378	113.88454	0	178	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 04:21:19	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 04:27:32	837175.4	806179.8	22.47384	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 04:33:27	837175.4	806175.7	22.47384	113.88448	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 04:39:27	837174.3	806179.8	22.47383	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 04:45:33	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 04:51:40	837172.1	806180.8	22.47381	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:03:32	837173.2	806179.8	22.47382	113.88452	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:18:18	837173.2	806176.7	22.47382	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:21:30	837174.3	806176.7	22.47383	113.88449	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:27:28	837168.7	806177.7	22.47378	113.8845	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:33:28	837175.4	806180.8	22.47384	113.88453	0	177.8	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:36:40	837170.9	806182.9	22.4738	113.88455	0.1	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:36:46	837170.9	806182.9	22.4738	113.88455	0.1	80	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:38:48	837170.9	806182.9	22.4738	113.88455	0.1	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:45:41	837176.5	806177.8	22.47385	113.8845	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:48:19	837168.7	806180.8	22.47378	113.88453	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 05:51:43	837170.9	806180.8	22.4738	113.88453	0	80	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 06:03:42	837172.1	806178.8	22.47381	113.88451	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 06:15:38	837174.3	806177.7	22.47383	113.8845	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 06:21:28	837165.4	806180.8	22.47375	113.88453	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 06:24:31	837168.7	806181.9	22.47378	113.88454	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 06:25:37	837177.6	806176.7	22.47386	113.88449	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 06:45:18	837173.2	806172.6	22.47382	113.88445	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 06:51:30	837166.5	806179.8	22.47376	113.88452	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 06:57:39	837165.4	806184.9	22.47375	113.88457	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 07:00:40	837175.4	806185	22.47384	113.88457	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 07:03:28	837177.6	806180.8	22.47386	113.88453	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 07:15:28	837173.2	806176.7	22.47382	113.88449	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 07:21:28	837169.8	806180.8	22.47379	113.88453	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 07:30:19	837170.9	806178.8	22.4738	113.88451	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 07:33:28	837165.4	806177.7	22.47375	113.8845	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 07:39:28	837170.9	806180.8	22.4738	113.88453	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 07:48:33	837167.6	806177.7	22.47377	113.8845	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 07:54:28	837166.5	806184.9	22.47376	113.88457	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 07:54:34	837166.5	806184.9	22.47376	113.88457	0	80	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 08:03:19	837167.6	806178.8	22.47377	113.88451	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 08:06:57	837172.1	806176.7	22.47381	113.88449	0	80	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 08:15:28	837175.4	806179.8	22.47384	113.88452	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 08:18:19	837177.6	806176.7	22.47386	113.88449	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 08:18:27	837177.6	806176.7	22.47386	113.88449	0	80	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 08:24:38	837176.5	806179.8	22.47385	113.88452	0	80	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 08:33:19	837176.5	806177.8	22.47385	113.8845	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 08:45:28	837176.5	806173.6	22.47385	113.88446	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 08:48:20	837172.1	806176.7	22.47381	113.88449	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 09:03:19	837174.3	806180.8	22.47383	113.88453	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 09:06:31	837161	806192.1	22.47371	113.88464	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 09:12:32	837166.5	806180.8	22.47376	113.88453	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 09:18:19	837169.8	806186	22.47379	113.88458	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 09:21:28	837173.2	806181.9	22.47382	113.88454	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 09:27:28	837174.3	806177.7	22.47383	113.8845	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 09:33:32	837174.3	806178.8	22.47383	113.88451	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 09:45:28	837183.1	806177.8	22.47391	113.8845	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 09:51:28	837178.7	806180.8	22.47387	113.88453	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 09:57:30	837172	806187	22.47381	113.88459	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:00:33	837180.9	806181.9	22.47389	113.88454	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:03:34	837180.9	806178.8	22.47389	113.88451	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:09:30	837177.6	806173.6	22.47386	113.88446	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:12:32	837184.2	806179.8	22.47392	113.88452	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:15:33	837179.8	806178.8	22.47388	113.88451	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:18:29	837167.6	806186	22.47377	113.88458	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:21:33	837173.2	806184.9	22.47382	113.88457	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:30:28	837177.6	806178.8	22.47386	113.88451	0	80.2	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:33:28	837178.7	806176.7	22.47387	113.88449	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:39:18	837174.3	806178.8	22.47383	113.88451	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:45:33	837179.8	806177.8	22.47388	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:51:28	837176.5	806176.7	22.47385	113.88449	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:54:18	837179.8	806181.9	22.47388	113.88454	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 10:57:33	837176.5	806175.7	22.47385	113.88448	0	226.4	ShipXY



**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:03:33	837180.9	806179.8	22.47389	113.88452	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:09:28	837183.1	806177.8	22.47391	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:15:27	837176.5	806175.7	22.47385	113.88448	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:21:32	837176.5	806180.8	22.47385	113.88453	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:27:28	837175.4	806180.8	22.47384	113.88453	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:30:34	837172.1	806177.7	22.47381	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:33:28	837179.8	806176.7	22.47388	113.88449	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:39:28	837173.2	806180.8	22.47382	113.88453	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:45:28	837172	806184.9	22.47381	113.88457	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:51:28	837174.3	806183.9	22.47383	113.88456	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:54:18	837179.8	806178.8	22.47388	113.88451	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 11:55:46	837182	806176.7	22.4739	113.88449	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 12:03:45	837178.7	806178.8	22.47387	113.88451	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 12:09:28	837176.5	806177.8	22.47385	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 12:18:30	837177.6	806181.9	22.47386	113.88454	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 12:27:33	837183.1	806177.8	22.47391	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 12:36:35	837182	806176.7	22.4739	113.88449	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 12:39:19	837186.5	806174.7	22.47394	113.88447	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 12:42:28	837176.5	806175.7	22.47385	113.88448	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 12:51:28	837182	806180.8	22.4739	113.88453	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 12:54:19	837182	806181.9	22.4739	113.88451	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 12:57:34	837176.5	806174.7	22.47385	113.88447	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 13:09:18	837178.7	806177.8	22.47387	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 13:12:41	837176.5	806180.8	22.47385	113.88453	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 13:21:19	837175.4	806176.7	22.47384	113.88449	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 13:27:28	837177.6	806178.8	22.47386	113.88451	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 13:33:28	837179.8	806182.9	22.47388	113.88455	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 13:39:28	837179.8	806179.8	22.47388	113.88452	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 13:45:28	837173.2	806180.8	22.47382	113.88453	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 13:51:28	837176.5	806177.8	22.47385	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 13:57:28	837170.9	806188	22.4738	113.8846	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:09:28	837180.9	806178.8	22.47389	113.88451	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:12:18	837173.1	806187	22.47382	113.88459	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:15:28	837176.5	806179.8	22.47385	113.88452	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:21:28	837166.5	806191.1	22.47376	113.88463	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:24:19	837176.5	806179.8	22.47385	113.88452	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:27:28	837178.7	806176.7	22.47387	113.88449	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:33:28	837177.6	806180.8	22.47386	113.88453	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:39:28	837173.2	806171.6	22.47382	113.88444	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:51:33	837177.6	806180.8	22.47386	113.88453	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:54:19	837179.8	806175.7	22.47388	113.88448	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 14:54:40	837179.8	806175.7	22.47388	113.88448	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:03:28	837183.1	806172.6	22.47391	113.88445	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:06:33	837177.6	806180.8	22.47386	113.88453	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:09:18	837177.6	806177.8	22.47386	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:09:33	837177.6	806177.8	22.47386	113.8845	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:15:28	837177.6	806178.8	22.47386	113.88451	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:21:35	837183.1	806174.7	22.47391	113.88447	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:21:36	837183.1	806174.7	22.47391	113.88447	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:27:28	837172	806183.9	22.47381	113.88456	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:33:34	837177.6	806175.7	22.47386	113.88448	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:33:44	837177.6	806175.7	22.47386	113.88448	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:36:19	837175.4	806178.8	22.47384	113.88451	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:45:28	837178.7	806178.8	22.47387	113.88451	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:51:28	837176.5	806177.8	22.47385	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:54:18	837179.8	806174.7	22.47388	113.88447	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:57:28	837176.5	806177.8	22.47385	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 15:57:41	837176.5	806177.8	22.47385	113.8845	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:06:19	837176.5	806178.8	22.47385	113.88451	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:09:28	837177.6	806178.8	22.47386	113.88451	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:15:33	837176.5	806177.8	22.47385	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:15:40	837176.5	806177.8	22.47385	113.8845	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:21:28	837179.8	806179.8	22.47388	113.88452	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:24:19	837177.6	806181.9	22.47386	113.88454	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:27:28	837176.5	806179.8	22.47385	113.88452	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:39:28	837174.3	806186	22.47383	113.88458	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:42:19	837178.7	806176.7	22.47387	113.88449	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:45:28	837169.9	806172.6	22.47379	113.88445	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:45:36	837169.9	806172.6	22.47379	113.88445	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:51:35	837175.4	806180.8	22.47384	113.88453	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 16:57:18	837177.6	806181.9	22.47386	113.88454	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:03:28	837172.1	806181.9	22.47381	113.88454	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:09:28	837176.5	806176.7	22.47385	113.88449	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:09:43	837176.5	806176.7	22.47385	113.88449	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:15:29	837174.3	806180.8	22.47383	113.88453	0	226.4	ShipXY

**HAI YANG SHI YOU 225 (Crane Barge)**  
**historical data record (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:21:29	837173.2	806179.8	22.47382	113.88452	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:24:18	837173.2	806180.8	22.47382	113.88453	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:30:34	837176.5	806182.9	22.47385	113.88455	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:30:37	837176.5	806182.9	22.47385	113.88455	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:36:19	837178.7	806177.8	22.47387	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:51:29	837168.7	806181.9	22.47378	113.88454	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:57:29	837172.1	806172.6	22.47381	113.88445	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 17:57:35	837172.1	806172.6	22.47381	113.88445	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 18:09:19	837172.1	806179.8	22.47381	113.88452	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 18:21:29	837174.3	806177.7	22.47383	113.8845	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 18:21:43	837174.3	806177.7	22.47383	113.8845	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 18:27:19	837176.5	806181.9	22.47385	113.88454	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 18:33:29	837179.8	806179.8	22.47388	113.88452	0	226.4	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 18:33:32	837179.8	806179.8	22.47388	113.88452	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 18:42:38	837174.3	806175.7	22.47383	113.88448	0	226	ShipXY
HAI YANG SHI YOU 225	Crane Barge	21-DEC-2020 18:57:19	837175.4	806178.8	22.47384	113.88451	0	226.4	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 14:59:21	801460.1	815517.2	22.15145	113.97571	6.2	338.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 15:05:39	802442.7	815229.7	22.16032	113.97291	2.1	359.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 15:11:47	803175.9	815115.1	22.16694	113.97179	3.8	304.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 15:17:40	803402	814903	22.16898	113.96973	0.4	98.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 15:23:40	803434.2	814839.1	22.16927	113.96911	0.3	345	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 15:25:24	803434.2	814840.1	22.16927	113.96912	0.2	252.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 15:34:47	803409.9	814834.9	22.16905	113.96907	0.3	238	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 15:47:02	803407.7	814833.9	22.16903	113.96906	0.3	240.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 15:53:02	803403.2	814834.9	22.16899	113.96907	0.3	242.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 15:56:08	803409.9	814835.9	22.16905	113.96908	0.2	52	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 16:05:00	803405.5	814832.8	22.16901	113.96905	0.2	233.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 16:11:01	803404.4	814833.9	22.169	113.96906	0.3	167.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 16:22:54	803403.2	814833.9	22.16899	113.96906	0.3	209.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 16:23:09	803403.2	814833.9	22.16899	113.96906	0.3	209	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 16:28:45	803404.4	814826.6	22.169	113.96899	0.2	222	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 16:40:52	803399.9	814828.7	22.16896	113.96901	0.2	89	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 16:56:08	803406.6	814820.5	22.16902	113.96893	0.3	214	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 17:04:55	803406.6	814821.5	22.16902	113.96894	0.2	350.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 17:14:08	803405.5	814811.2	22.16901	113.96884	0.1	202	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 17:19:47	803403.3	814811.2	22.16899	113.96884	0.3	226	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 17:29:03	803408.8	814808.1	22.16904	113.96881	0.2	20.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 17:40:57	803405.5	814806	22.16901	113.96879	0.3	321.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 17:46:59	803403.3	814801.9	22.16899	113.96875	0.3	65	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 17:53:08	803401.1	814798.8	22.16897	113.96872	0.2	331	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 18:01:47	803401.1	814803.9	22.16897	113.96877	0.3	93	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 18:10:59	803396.7	814798.8	22.16893	113.96872	0.3	189.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 18:16:58	803397.8	814800.8	22.16894	113.96874	0.2	119	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 18:29:01	803405.5	814782.3	22.16901	113.96856	0.3	168.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 18:31:55	803401.1	814778.2	22.16897	113.96852	0.4	241.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 18:38:08	803398.9	814783.3	22.16895	113.96857	0.3	125	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 18:43:57	803401.1	814784.4	22.16897	113.96858	0.3	107	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 18:53:00	803403.3	814783.3	22.16899	113.96857	0.3	41.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 18:56:08	803402.2	814779.2	22.16898	113.96853	0.5	182	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 19:05:01	803393.4	814779.2	22.1689	113.96853	0.5	217	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 19:10:59	803397.8	814780.2	22.16894	113.96854	0.2	182	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 19:17:08	803405.5	814780.2	22.16901	113.96854	0.5	27	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 19:28:59	803404.4	814776.1	22.169	113.9685	0.3	179.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 19:35:01	803400	814777.1	22.16896	113.96851	0.3	274.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 19:41:02	803404.4	814774	22.169	113.96848	0.3	295.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 19:44:06	803394.5	814783.3	22.16891	113.96857	0.4	193	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 19:53:04	803397.8	814776.1	22.16894	113.9685	0.3	139.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 19:53:09	803397.8	814776.1	22.16894	113.9685	0.3	139	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 19:58:59	803393.3	814783.3	22.1689	113.96857	0.3	183	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 20:08:00	803393.4	814781.2	22.1689	113.96855	0.4	117.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 20:17:10	803381.2	814785.4	22.16879	113.96859	0.2	42	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 20:22:54	803381.2	814780.2	22.16879	113.96854	0.3	255	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 20:26:00	803382.3	814782.3	22.1688	113.96856	0.3	227	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 20:35:09	803383.4	814787.4	22.16881	113.96861	0.5	210	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 20:43:59	803388.9	814779.2	22.16886	113.96853	0.5	349	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 20:53:13	803396.7	814785.4	22.16893	113.96859	0.3	62	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 20:59:09	803380.1	814784.3	22.16878	113.96858	0.2	182	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 21:05:05	803388.9	814785.4	22.16886	113.96859	0.3	64	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 21:16:59	803380.1	814783.3	22.16878	113.96857	0.4	156	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 21:20:10	803377.8	814783.3	22.16876	113.96857	0.2	241	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 21:28:48	803375.6	814783.3	22.16874	113.96857	0.2	241	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 21:32:01	803376.7	814790.5	22.16875	113.96864	0.5	223	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 21:37:58	803369	814791.5	22.16868	113.96865	0.3	213	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 21:50:02	803371.2	814786.4	22.1687	113.9686	0.3	216	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 22:02:11	803382.3	814788.5	22.1688	113.96862	0.2	16	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 22:13:52	803369	814794.6	22.16868	113.96868	0.4	134	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 22:19:53	803374.5	814789.5	22.16873	113.96863	0.7	65	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 22:26:05	803365.7	814792.6	22.16865	113.96866	0.4	267	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 22:46:56	803373.4	814790.5	22.16872	113.96864	0.4	343.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 22:52:56	803367.9	814788.4	22.16867	113.96862	0.4	218.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 22:59:05	803361.2	814797.7	22.16861	113.96871	0.2	87	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 23:07:56	803360.1	814807	22.1686	113.9688	0.6	212.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 23:17:02	803359	814808	22.16859	113.96881	1	31	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 23:23:01	803355.7	814811.1	22.16856	113.96884	0.4	215	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 23:35:00	803355.7	814816.3	22.16856	113.96889	0.2	199	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 23:38:02	803364.5	814814.2	22.16864	113.96887	0.4	174	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 23:40:57	803374.5	814804.9	22.16873	113.96878	0.3	346	ShipXY
HAI YANG SHI YOU 698	Crane barge	14-DEC-2020 23:56:03	803376.7	814812.2	22.16875	113.96885	0.5	291	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 00:01:57	803372.3	814817.3	22.16871	113.96899	0.6	318	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 00:08:03	803366.7	814829.7	22.16866	113.96902	0.4	127	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 00:20:02	803362.3	814829.7	22.16862	113.96902	0.5	136	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 00:21:23	803359	814832.8	22.16859	113.96905	0.1	150	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 00:29:05	803366.7	814846.2	22.16866	113.96918	0.2	333	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 00:35:03	803371.1	814852.4	22.1687	113.96924	0.3	30	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 00:49:54	803372.2	814858.6	22.16871	113.9693	0.3	302	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 00:53:02	803372.2	814859.6	22.16871	113.96931	0.1	318	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 01:07:59	803372.2	814865.8	22.16871	113.96937	0.2	327	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 01:14:09	803371.1	814867.9	22.1687	113.96939	0.1	214	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 01:16:47	803374.4	814871	22.16873	113.96942	0.3	143	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 01:28:54	803367.8	814868.9	22.16867	113.9694	0.3	128	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 01:35:08	803365.6	814867.8	22.16865	113.96939	0.3	171	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 01:41:06	803364.4	814867.8	22.16864	113.96939	0.3	129	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 01:58:55	803358.9	814865.8	22.16859	113.96937	0.2	188.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 02:04:55	803362.2	814866.8	22.16862	113.96938	0.4	125.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 02:10:54	803363.3	814862.7	22.16863	113.96934	0.4	129.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 02:17:03	803360	814860.6	22.1686	113.96932	0.2	310.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 02:22:55	803361.1	814861.7	22.16861	113.96933	0.2	350.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 02:28:57	803362.2	814857.5	22.16862	113.96929	0.2	310	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 02:46:55	803360	814851.3	22.1686	113.96923	0.3	330.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 02:58:55	803377.8	814847.2	22.16876	113.96919	0.4	307.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 03:04:54	803390	814831.8	22.16887	113.96904	0.3	335.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 03:10:55	803391.1	814822.5	22.16888	113.96895	0.3	335.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 03:13:52	803386.7	814818.4	22.16884	113.96891	0.4	274	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 03:28:55	803390	814807	22.16887	113.9688	0.4	339.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 03:34:55	803380	814797.7	22.16878	113.96871	0.4	324.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 03:34:56	803380	814797.7	22.16878	113.96871	0.4	325	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 03:41:07	803370.1	814790.5	22.16869	113.96864	0.5	53	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 03:52:56	803369	814790.5	22.16868	113.96864	0.4	250.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 03:55:27	803369	814790.5	22.16868	113.96864	0.4	250.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 03:59:06	803370.1	814787.4	22.16869	113.96861	0.2	247	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 04:10:55	803373.4	814786.4	22.16872	113.9686	0.3	334.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 04:28:55	803372.3	814788.4	22.16871	113.96862	0.2	242.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 04:35:04	803367.9	814788.4	22.16867	113.96862	0.3	47	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 04:40:54	803363.4	814788.4	22.16863	113.96862	0.3	263.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 04:52:54	803366.8	814787.4	22.16866	113.96861	0.3	82.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 04:59:02	803365.7	814788.4	22.16865	113.96862	0.4	287.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 05:11:01	803372.3	814791.5	22.16871	113.96865	0.4	118.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 05:16:57	803367.9	814786.4	22.16867	113.9686	0.2	4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 05:26:03	803360.1	814790.5	22.1686	113.96864	0.2	339.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 05:32:06	803360.1	814789.5	22.1686	113.96863	0.3	81.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 05:40:55	803355.7	814793.6	22.16856	113.96867	0.3	110.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 05:41:09	803355.7	814793.6	22.16856	113.96867	0.3	110	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 05:53:02	803357.9	814793.6	22.16858	113.96867	0.5	21.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 05:58:57	803357.9	814790.5	22.16858	113.96864	0.1	344.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 06:11:00	803371.2	814781.2	22.1687	113.96855	0.4	286.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 06:11:06	803371.2	814781.2	22.1687	113.96855	0.4	287	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 06:22:55	803366.8	814782.2	22.16866	113.96856	0.3	245.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 06:28:55	803375.6	814778.1	22.16874	113.96852	0.4	296.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 06:35:02	803381.2	814779.2	22.16879	113.96853	0.5	238.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 06:40:55	803380.1	814778.1	22.16878	113.96852	0.3	108.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 06:46:55	803381.2	814782.3	22.16879	113.96856	0.3	82.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 06:52:55	803386.7	814782.3	22.16884	113.96856	0.5	92.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 06:58:55	803386.7	814780.2	22.16884	113.96854	0.4	281.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 07:04:54	803381.2	814782.3	22.16879	113.96856	0.3	100.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 07:13:56	803385.6	814780.2	22.16883	113.96854	0.3	36.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 07:22:54	803383.4	814779.2	22.16881	113.96853	0.5	221.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 07:28:56	803386.7	814779.2	22.16884	113.96853	0.1	303.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 07:46:55	803379	814780.2	22.16877	113.96854	0.5	285.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 07:52:55	803386.7	814779.2	22.16884	113.96853	0.4	276	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 08:04:55	803381.2	814779.2	22.16879	113.96853	0.3	287.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 08:10:55	803383.4	814780.2	22.16881	113.96854	0.3	299	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 08:16:55	803392.3	814776.1	22.16889	113.9685	0.4	359.2	ShipXY



**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 08:23:00	803392.3	814777.1	22.16889	113.96851	0.5	270	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 08:29:09	803390	814779.2	22.16887	113.96853	0.4	234	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 08:37:56	803385.6	814778.1	22.16883	113.96852	0.4	242	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 08:46:55	803392.3	814775.1	22.16889	113.96849	0.4	266.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 08:53:00	803393.4	814779.2	22.16889	113.96853	0.2	207	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 08:58:59	803395.6	814775.1	22.16892	113.96849	0.3	227.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 09:01:59	803398.9	814780.2	22.16895	113.96854	0.3	177	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 09:11:02	803395.6	814778.2	22.16892	113.96852	0.4	232.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 09:16:55	803397.8	814781.3	22.16894	113.96855	0.4	17.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 09:22:56	803398.9	814779.2	22.16895	113.96853	0.4	342.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 09:29:01	803396.7	814778.2	22.16893	113.96852	0.3	126.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 09:34:55	803402.2	814782.3	22.16898	113.96856	0.4	135.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 09:40:55	803403.3	814781.3	22.16899	113.96855	0.4	220.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 09:47:00	803395.6	814776.1	22.16892	113.9685	0.3	229.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 09:52:55	803397.8	814778.2	22.16894	113.96852	0.4	191.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 09:59:02	803395.6	814776.1	22.16892	113.9685	0.3	350.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 10:04:55	803398.9	814779.2	22.16895	113.96853	0.4	83.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 10:10:57	803400	814777.1	22.16896	113.96851	0.2	212.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 10:22:55	803405.5	814775.1	22.16901	113.96849	0.5	202.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 10:25:55	803408.9	814775.1	22.16904	113.96849	0.3	261.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 10:31:55	803410	814780.2	22.16905	113.96854	0.3	298.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 10:37:55	803404.4	814779.2	22.169	113.96853	0.3	6.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 10:43:55	803405.5	814776.1	22.16901	113.9685	0.5	12.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 10:49:55	803406.6	814783.3	22.16902	113.96857	0.5	64.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 10:58:55	803402.2	814778.2	22.16898	113.96852	0.4	283.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:01:54	803407.7	814780.2	22.16903	113.96854	0.4	274.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:10:54	803406.6	814781.3	22.16902	113.96855	0.5	189.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:16:55	803402.2	814778.2	22.16898	113.96852	0.3	264.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:23:02	803401.1	814778.2	22.16897	113.96852	0.2	194.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:25:55	803404.4	814785.4	22.169	113.96859	0.5	72.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:35:02	803398.9	814776.1	22.16895	113.9685	0.5	355.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:38:10	803401.1	814783.3	22.16897	113.96857	0.2	102	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:46:54	803404.4	814781.3	22.169	113.96855	0.3	231.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:52:54	803403.3	814780.2	22.16899	113.96854	0.3	259.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:58:55	803395.6	814783.3	22.16892	113.96857	0.3	116.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 11:59:10	803395.6	814783.3	22.16892	113.96857	0.3	117	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 12:08:03	803385.6	814781.2	22.16883	113.96855	0.4	94	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 12:22:54	803374.5	814781.2	22.16873	113.96855	0.3	185.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 12:31:54	803376.7	814783.3	22.16875	113.96857	0.3	109.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 12:37:49	803379	814781.2	22.16877	113.96855	0.3	328	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 12:52:56	803377.8	814785.4	22.16876	113.96859	0.4	246.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 13:04:54	803382.3	814787.4	22.16888	113.96861	0.4	228	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 13:10:55	803371.2	814793.6	22.16887	113.96867	0.5	278.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 13:28:55	803370.1	814790.5	22.16869	113.96864	0.3	129.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 13:31:55	803369	814793.6	22.16868	113.96867	0.4	60	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 13:43:55	803376.7	814789.5	22.16875	113.96863	0.5	251	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 13:46:55	803373.4	814787.4	22.16872	113.96861	0.5	245	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 14:10:55	803369	814801.8	22.16868	113.96875	0.2	86.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 14:22:55	803367.9	814796.7	22.16867	113.9687	0.5	350	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 14:28:54	803374.5	814793.6	22.16873	113.96867	0.5	27.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 14:31:59	803375.6	814788.4	22.16874	113.96862	0.4	39	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 14:44:05	803380.1	814786.4	22.16878	113.96866	0.5	241	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 14:52:57	803385.6	814780.2	22.16883	113.96854	0.8	258	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 15:04:55	803402.2	814787.4	22.16898	113.96861	0.3	77.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 15:08:05	803398.9	814779.2	22.16895	113.96853	0.4	254	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 15:13:55	803402.2	814782.3	22.16898	113.96856	0.5	80.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 15:22:55	803396.7	814784.3	22.16893	113.96858	0.3	278.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 15:29:03	803406.6	814793.6	22.16902	113.96867	0.5	91.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 15:34:54	803405.5	814784.4	22.16901	113.96858	0.8	304	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 15:40:56	803404.4	814781.3	22.169	113.96855	0.4	257.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 15:46:54	803403.3	814783.3	22.16899	113.96857	0.4	78.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 15:52:55	803414.4	814786.4	22.16909	113.96866	0.3	121.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 15:55:57	803411.1	814781.3	22.16906	113.96855	0.7	297	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 16:05:02	803410	814783.3	22.16905	113.96857	0.4	56.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 16:07:55	803413.3	814784.4	22.16908	113.96858	0.5	116	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 16:16:55	803407.7	814781.3	22.16903	113.96855	0.4	53	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 16:22:54	803410	814780.2	22.16905	113.96854	0.8	286.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 16:28:55	803410	814779.2	22.16905	113.96853	0.3	278.1	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 16:32:10	803408.9	814782.3	22.16904	113.96856	0.2	343	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 16:40:54	803405.5	814782.3	22.16901	113.96856	0.3	194.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 16:43:55	803404.4	814780.2	22.169	113.96854	0.3	301.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 16:52:54	803407.7	814782.3	22.16903	113.96856	0.5	101.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 16:55:54	803411.1	814781.3	22.16906	113.96855	0.3	51.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 17:04:55	803408.9	814778.2	22.16904	113.96852	0.3	249.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 17:07:55	803407.7	814782.3	22.16903	113.96856	0.3	285	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 17:13:55	803406.6	814780.2	22.16902	113.96854	0.4	283.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 17:19:55	803403.3	814780.2	22.16899	113.96854	0.3	250	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 17:25:57	803406.6	814782.3	22.16902	113.96856	0.4	288	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 17:40:54	803405.5	814780.2	22.16901	113.96854	0.4	5.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 17:52:55	803403.3	814778.2	22.16899	113.96852	0.3	267	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 18:07:55	803398.9	814783.3	22.16895	113.96857	0.2	118.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 18:16:55	803401.1	814780.2	22.16897	113.96854	0.3	257.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 18:19:55	803401.1	814782.3	22.16897	113.96856	0.3	250.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 18:34:55	803395.6	814782.3	22.16892	113.96856	0.3	307	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 18:40:54	803392.2	814780.2	22.16889	113.96854	0.4	239.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 18:47:05	803394.5	814782.3	22.16891	113.96856	0.4	192.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 18:52:55	803394.5	814784.3	22.16891	113.96858	0.4	110.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 18:58:55	803394.5	814784.3	22.16891	113.96858	0.4	225.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 19:04:55	803390	814781.2	22.16887	113.96855	0.3	217.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 19:10:55	803387.8	814781.2	22.16885	113.96855	0.5	198.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 19:14:06	803393.4	814779.2	22.1689	113.96853	0.5	55.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 19:22:55	803387.8	814779.2	22.16885	113.96853	0.3	257.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 19:28:54	803390	814778.1	22.16887	113.96852	0.4	277.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 19:32:04	803396.7	814783.3	22.16893	113.96857	0.2	98.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 19:40:55	803388.9	814778.1	22.16886	113.96852	0.3	210.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 19:43:54	803388.9	814783.3	22.16886	113.96857	0.4	87.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 19:49:54	803384.5	814786.4	22.16882	113.9686	0.3	185.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 19:58:54	803382.3	814781.2	22.1688	113.96855	0.5	250	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:04:55	803383.4	814781.2	22.16881	113.96855	0.4	178.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:10:54	803383.4	814780.2	22.16881	113.96854	0.4	274.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:16:55	803387.8	814781.2	22.16885	113.96855	0.3	239.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:23:05	803391.1	814782.3	22.16888	113.96856	0.2	177.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:28:55	803386.7	814782.3	22.16884	113.96856	0.4	260.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:34:55	803386.7	814784.3	22.16884	113.96858	0.4	255.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:40:55	803386.7	814784.3	22.16884	113.96858	0.4	73.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:46:55	803387.8	814782.3	22.16885	113.96856	0.3	274.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:52:55	803380.1	814787.4	22.16878	113.96861	0.3	163.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:58:55	803388.9	814778.1	22.16886	113.96852	0.3	292.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 20:59:01	803388.9	814778.1	22.16886	113.96852	0.3	293	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 21:10:55	803393.4	814782.3	22.1689	113.96856	0.3	251.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 21:16:54	803392.2	814782.3	22.16889	113.96856	0.5	287.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 21:20:05	803393.4	814780.2	22.1689	113.96854	0.2	236.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 21:28:54	803393.4	814780.2	22.1689	113.96854	0.6	285.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 21:40:54	803392.2	814785.4	22.16889	113.96859	0.3	108	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 21:46:54	803387.8	814784.3	22.16885	113.96858	0.3	294.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 21:49:54	803392.2	814782.3	22.16889	113.96856	0.5	265	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 21:58:55	803378.9	814790.5	22.16877	113.96864	0.5	73.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 22:04:55	803384.5	814788.5	22.16882	113.96862	0.3	254.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 22:16:55	803382.3	814791.5	22.1688	113.96865	0.3	253.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 22:22:55	803378.9	814791.5	22.16877	113.96865	0.4	257	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 22:28:55	803380	814794.6	22.16878	113.96868	0.3	254.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 22:31:55	803371.2	814796.7	22.1687	113.9687	0.4	235.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 22:40:55	803373.4	814794.6	22.16872	113.96868	0.6	63.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 22:44:03	803376.7	814795.7	22.16875	113.96869	0.4	71	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 22:52:56	803373.4	814803.9	22.16872	113.96877	0.5	63.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 22:58:55	803367.9	814798.7	22.16867	113.96872	0.5	59	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 23:04:55	803372.3	814807	22.16871	113.9688	0.4	45.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 23:10:55	803372.3	814800.8	22.16871	113.96874	0.3	43.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 23:16:55	803373.4	814800.8	22.16872	113.96874	0.3	36.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 23:22:55	803377.8	814804.9	22.16876	113.96878	0.6	9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 23:28:55	803373.4	814806	22.16872	113.96879	0.5	10.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 23:34:56	803380	814805	22.16878	113.96878	0.4	325	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 23:40:54	803381.1	814809.1	22.16879	113.96882	0.5	328.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 23:41:07	803381.1	814809.1	22.16879	113.96882	0.5	329	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 23:46:56	803378.9	814809.1	22.16877	113.96882	0.2	315	ShipXY
HAI YANG SHI YOU 698	Crane barge	15-DEC-2020 23:55:56	803377.8	814821.5	22.16876	113.96894	0.3	134.6	ShipXY



**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 00:04:54	803381.1	814835.9	22.16879	113.96908	0.4	38.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 00:10:54	803382.2	814836.9	22.16888	113.96909	0.3	307.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 00:14:08	803380	814839	22.16878	113.96911	0.2	318	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 00:22:55	803384.4	814840	22.16882	113.96912	0.3	296.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 00:28:54	803385.5	814843.1	22.16883	113.96915	0.4	326.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 00:40:54	803391	814846.2	22.16888	113.96918	0.4	326.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 00:46:54	803388.8	814847.3	22.16886	113.96919	0.3	126.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 00:49:54	803389.9	814852.4	22.16887	113.96924	0.4	101.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 00:55:54	803395.5	814855.5	22.16892	113.96927	0.3	236.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 00:56:11	803395.5	814855.5	22.16892	113.96927	0.3	237	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 01:10:55	803392.1	814858.6	22.16889	113.9693	0.3	281.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 01:11:12	803392.1	814858.6	22.16889	113.9693	0.3	282	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 01:25:54	803391	814861.7	22.16888	113.96933	0.1	280.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 01:34:55	803392.1	814861.7	22.16889	113.96933	0.3	320.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 01:37:55	803385.5	814858.6	22.16883	113.9693	0.3	264.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 01:46:56	803384.4	814859.6	22.16882	113.96931	0.3	115.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 01:52:54	803391	814867.9	22.16888	113.96939	0.5	278.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 01:58:54	803384.4	814869.9	22.16882	113.96941	0.4	125.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 02:01:55	803383.3	814871	22.16881	113.96942	0.3	132.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 02:07:57	803377.7	814868.9	22.16876	113.9694	0.2	111	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 02:13:56	803378.8	814868.9	22.16877	113.9694	0.2	255.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 02:14:06	803378.8	814868.9	22.16877	113.9694	0.2	255	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 02:28:55	803384.4	814871	22.16882	113.96942	0.2	338.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 02:29:07	803384.4	814871	22.16882	113.96942	0.2	339	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 02:40:55	803379.9	814868.9	22.16878	113.9694	0.3	318.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 02:46:55	803383.3	814866.8	22.16881	113.96938	0.3	261.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 02:47:06	803383.3	814866.8	22.16881	113.96938	0.3	261	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 02:59:00	803380	814864.8	22.16878	113.96936	0.2	214.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 03:01:55	803378.8	814868.9	22.16877	113.9694	0.2	102.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 03:10:55	803386.6	814866.8	22.16884	113.96938	0.3	302.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 03:22:55	803386.6	814863.7	22.16884	113.96935	0.3	285.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 03:28:55	803383.3	814863.7	22.16881	113.96935	0.3	270.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 03:34:54	803378.8	814861.7	22.16877	113.96933	0.3	284.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 03:40:55	803373.3	814854.4	22.16872	113.96926	0.6	292.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 03:43:55	803370	814845.2	22.16869	113.96917	0.3	291.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 03:52:55	803363.4	814845.2	22.16863	113.96917	0.3	316.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 03:58:55	803365.6	814837.9	22.16865	113.9691	0.4	295.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 04:04:55	803377.8	814844.1	22.16876	113.96916	0.8	11.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 04:10:54	803364.5	814839	22.16864	113.96911	0.5	195.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 04:16:55	803362.3	814835.9	22.16862	113.96908	0.7	204.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 04:22:55	803365.6	814826.6	22.16865	113.96899	0.4	201.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 04:28:54	803354.5	814826.6	22.16855	113.96899	0.8	201.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 04:34:55	803359	814825.6	22.16859	113.96898	0.5	231.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 04:40:54	803362.3	814796.7	22.16862	113.9687	0.7	229.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 04:46:55	803363.4	814797.7	22.16863	113.96871	0.5	255.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 04:52:54	803362.3	814791.5	22.16862	113.96865	0.4	255.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 04:58:54	803362.3	814798.7	22.16862	113.96872	0.5	243.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 05:04:55	803363.4	814793.6	22.16863	113.96867	0.6	229.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 05:11:01	803363.4	814798.7	22.16863	113.96872	0.3	237.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 05:13:55	803360.1	814794.6	22.1686	113.96868	0.3	263	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 05:22:55	803371.2	814790.5	22.1687	113.96864	0.8	271.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 05:28:55	803362.3	814795.6	22.16862	113.96869	0.3	91.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 05:32:00	803361.2	814793.6	22.16861	113.96867	0.2	346	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 05:40:55	803362.3	814792.5	22.16862	113.96866	0.3	292.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 05:46:55	803372.3	814786.4	22.16871	113.9686	0.6	278	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 05:52:55	803366.8	814790.5	22.16866	113.96864	0.4	54.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 05:58:58	803369	814785.3	22.16868	113.96859	0.4	201	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 06:04:55	803376.7	814782.3	22.16875	113.96856	0.4	268.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 06:07:54	803376.7	814785.3	22.16875	113.96859	0.3	101.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 06:16:55	803377.9	814780.2	22.16876	113.96854	0.4	267.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 06:22:55	803382.3	814779.2	22.1688	113.96853	0.4	85	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 06:28:55	803386.7	814779.2	22.16884	113.96853	0.3	116	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 06:34:55	803382.3	814779.2	22.1688	113.96853	0.6	94.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 06:40:54	803383.4	814779.2	22.16881	113.96853	0.4	111.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 06:46:55	803382.3	814782.3	22.1688	113.96856	0.5	81.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 06:58:55	803391.1	814783.3	22.16888	113.96857	0.5	79.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 07:11:04	803393.4	814780.2	22.1689	113.96854	0.3	182.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 07:16:55	803403.3	814779.2	22.16899	113.96853	0.3	53.8	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 07:23:05	803405.5	814778.2	22.16901	113.96852	0.3	276.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 07:29:04	803401.1	814776.1	22.16897	113.9685	0.3	285.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 07:35:05	803404.4	814779.2	22.169	113.96853	0.5	265.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 07:40:58	803406.6	814780.2	22.16902	113.96854	0.5	266	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 07:46:55	803406.6	814777.1	22.16902	113.96851	0.3	248.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 07:52:55	803401.1	814780.2	22.16897	113.96854	0.4	266.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 07:58:55	803405.5	814780.2	22.16901	113.96854	0.3	268.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 08:04:55	803400	814779.2	22.16896	113.96853	0.4	352.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 08:10:55	803403.3	814779.2	22.16899	113.96853	0.4	79.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 08:16:55	803401.1	814779.2	22.16897	113.96853	0.4	95.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 08:28:55	803404.4	814784.4	22.169	113.96858	0.6	266.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 08:34:55	803403.3	814780.2	22.16899	113.96854	0.4	314.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 08:40:55	803406.6	814779.2	22.16902	113.96853	0.3	288	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 08:47:02	803405.5	814780.2	22.16901	113.96854	0.4	284.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 08:52:55	803393.4	814777.1	22.16889	113.96851	0.6	245.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 08:58:54	803386.7	814783.3	22.16884	113.96857	0.4	106.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 09:04:55	803385.6	814782.3	22.16883	113.96856	0.3	301.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 09:10:54	803396.7	814781.3	22.16893	113.96855	0.4	351.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 09:16:55	803410.9	814882.3	22.16906	113.96953	0.8	118.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 09:23:54	803127.7	814680.8	22.1665	113.96758	5.4	216.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 09:29:51	802765.4	814848.5	22.16323	113.96921	4.1	177.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 09:35:51	802082.8	814410.2	22.15706	113.96497	2.8	231.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 09:41:44	801929.1	814262.5	22.15567	113.96354	0.5	227.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 09:41:55	801988.8	814311	22.15621	113.96401	1	221.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 09:56:49	801894.8	814251.1	22.15536	113.96343	0.2	219.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 10:05:49	801902.5	814252.1	22.15543	113.96344	0.3	183.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 10:11:52	801903.6	814252.1	22.15544	113.96344	0.2	229.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 10:14:45	801904.7	814253.1	22.15545	113.96345	0.3	188.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 10:23:49	801899.2	814249	22.1554	113.96341	0.2	194.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 10:29:51	801898.1	814250	22.15539	113.96342	0.2	345.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 10:35:49	801897	814250	22.15538	113.96342	0.2	176.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 10:41:49	801897	814250	22.15538	113.96342	0.3	330.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 10:44:44	801898.1	814251.1	22.15539	113.96343	0.3	253.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 10:53:45	801901.4	814249	22.15542	113.96341	0.4	67.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 10:59:48	801901.4	814251.1	22.15542	113.96343	0.2	248.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 11:05:41	801733.5	814755.2	22.15391	113.96832	5	60.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 11:11:41	803277	814865.7	22.16785	113.96937	7.8	337.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 11:15:31	803422.1	814780.3	22.16916	113.96854	0.3	216.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 11:21:31	803455.5	814705	22.16946	113.96781	0.5	276.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 11:27:41	803463.2	814701.9	22.16953	113.96778	0.3	79.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 11:30:31	803454.4	814689.5	22.16945	113.96766	0.6	267.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 11:39:42	803446.6	814691.6	22.16938	113.96768	0.3	13.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 11:45:44	803443.3	814698.8	22.16935	113.96775	0.2	92.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 11:51:31	803442.2	814693.6	22.16934	113.9677	0.4	285.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 11:57:31	803437.8	814695.7	22.1693	113.96772	0.3	253.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 12:03:31	803436.7	814693.6	22.16929	113.9677	0.3	270.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 12:06:31	803440	814698.8	22.16932	113.96775	0.3	261.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 12:15:30	803435.6	814693.6	22.16928	113.9677	0.4	267.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 12:21:31	803425.6	814706	22.16919	113.96782	0.4	82.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 12:27:31	803427.8	814702.9	22.16921	113.96779	0.3	92.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 12:33:31	803434.4	814692.6	22.16927	113.96769	0.4	60	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 12:36:31	803432.2	814695.7	22.16925	113.96772	0.3	54.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 12:42:31	803430	814696.7	22.16923	113.96773	0.5	249.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 12:51:31	803430	814696.7	22.16923	113.96773	0.6	261.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 12:57:31	803435.5	814697.8	22.16928	113.96774	0.6	84.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 13:03:31	803425.6	814703.9	22.16919	113.9678	0.5	66.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 13:09:31	803424.5	814706	22.16918	113.96782	0.6	34.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 13:15:31	803416.7	814707	22.16911	113.96783	0.3	188.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 13:21:31	803412.3	814721.5	22.16907	113.96797	0.4	223.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 13:27:31	803411.2	814722.5	22.16906	113.96798	0.4	236.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 13:33:31	803411.2	814716.3	22.16906	113.96792	0.7	218.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 13:39:30	803406.7	814722.5	22.16902	113.96798	0.3	205.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 13:45:30	803401.2	814742.1	22.16897	113.96817	0.3	112	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 13:51:50	803401.1	814757.5	22.16897	113.96832	0.8	24	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 13:57:30	803402.2	814754.4	22.16898	113.96829	0.5	314.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 14:03:32	803403.4	814742.1	22.16899	113.96817	0.5	316.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 14:11:28	803379	814765.8	22.16877	113.9684	0.3	120.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 14:17:49	803382.3	814776.1	22.1688	113.9685	0.3	186.4	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 14:23:49	803406.7	814757.5	22.16902	113.96832	0.8	309.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 14:29:40	803387.8	814791.6	22.16885	113.96865	0.4	167.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 14:35:56	802444.3	814848	22.16033	113.96921	5.9	193.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 14:41:43	802011.9	814446.2	22.15642	113.96532	2	231.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 14:47:50	801908	814293.4	22.15548	113.96384	0.4	224	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 14:53:36	801895.9	814255.2	22.15537	113.96347	0.2	246.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 14:59:46	801842	814758.5	22.15489	113.96835	5.7	38.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 15:05:37	803127.5	814840.7	22.1665	113.96913	5.1	356.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 15:11:50	803431	814780.3	22.16924	113.96854	0.6	3.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 15:17:39	803386.7	814764.7	22.16884	113.96839	0.3	119.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 15:21:38	803393.4	814756.5	22.1689	113.96831	0.5	308.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 15:27:39	803403.4	814739	22.16899	113.96814	0.4	314.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 15:33:39	803386.8	814739	22.16884	113.96814	0.8	22.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 15:39:38	803384.5	814746.2	22.16882	113.96821	0.4	56.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 15:39:52	803384.5	814746.2	22.16882	113.96821	0.4	57	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 15:51:38	803389	814755.5	22.16886	113.9683	0.5	46.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 15:57:39	803389	814749.3	22.16886	113.96824	0.5	26.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 16:03:38	803386.8	814746.2	22.16884	113.96821	0.7	51.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 16:09:39	803386.8	814741	22.16884	113.96816	0.4	86.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 16:15:38	803387.9	814733.8	22.16885	113.96809	0.5	59.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 16:21:38	803392.3	814734.8	22.16889	113.9681	0.4	64.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 16:27:39	803387.9	814739	22.16885	113.96814	0.3	117	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 16:33:39	803390.1	814734.8	22.16887	113.9681	0.5	239.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 16:36:43	803386.8	814744.1	22.16884	113.96819	0.3	70	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 16:45:38	803394.5	814730.7	22.16891	113.96806	0.6	43.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 16:51:39	803396.7	814726.6	22.16893	113.96802	0.3	95.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 16:57:39	803391.2	814729.7	22.16888	113.96805	0.5	81	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 17:03:43	803395.6	814725.6	22.16892	113.96801	0.3	282.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 17:09:44	803395.6	814726.6	22.16892	113.96802	0.3	261.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 17:15:49	803397.9	814725.6	22.16894	113.96801	0.3	300	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 17:21:43	803396.7	814726.6	22.16893	113.96802	0.3	276.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 17:27:44	803403.4	814720.4	22.16899	113.96796	0.3	263.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 17:36:44	803399	814722.5	22.16895	113.96798	0.3	266.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 17:45:43	803401.2	814723.5	22.16897	113.96799	0.3	277.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 17:48:44	803399	814723.5	22.16895	113.96799	0.3	265	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 17:54:43	803405.6	814719.4	22.16901	113.96795	0.4	296.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 18:09:43	803406.7	814719.4	22.16902	113.96795	0.2	261.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 18:15:43	803414.5	814719.4	22.16909	113.96795	0.5	295.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 18:21:44	803415.6	814716.3	22.1691	113.96792	0.4	275.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 18:24:43	803417.8	814715.3	22.16912	113.96791	0.6	267.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 18:36:43	803421.1	814715.3	22.16915	113.96791	0.3	214.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 18:45:43	803428.9	814714.3	22.16922	113.9679	0.6	193.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 18:51:43	803427.8	814707	22.16921	113.96783	0.3	283.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 18:57:43	803431.1	814709.1	22.16924	113.96785	0.4	255.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 18:57:47	803431.1	814709.1	22.16924	113.96785	0.4	255	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 19:06:43	803431.1	814707	22.16924	113.96783	0.4	255.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 19:15:50	803427.8	814707	22.16921	113.96783	0.3	230	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 19:21:43	803424.5	814707	22.16918	113.96783	0.5	229.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 19:27:50	803428.9	814707	22.16922	113.96783	0.3	234	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 19:33:43	803430	814706	22.16923	113.96782	0.4	289.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 19:39:43	803423.4	814702.9	22.16917	113.96779	0.3	291.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 19:45:43	803424.5	814701.9	22.16918	113.96778	0.3	246	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 19:51:43	803421.1	814703.9	22.16915	113.9678	0.4	269.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 19:54:48	803418.9	814706	22.16913	113.96782	0.3	263.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 20:03:43	803425.6	814703.9	22.16919	113.9678	0.5	265.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 20:06:43	803425.6	814707	22.16919	113.96783	0.3	268.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 20:15:43	803417.8	814705	22.16912	113.96781	0.5	269.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 20:15:48	803417.8	814705	22.16912	113.96781	0.5	270	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 20:30:43	803418.9	814708.1	22.16913	113.96784	0.3	112.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 20:45:43	803414.5	814708	22.16909	113.96784	0.3	259.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 20:51:44	803423.3	814709.1	22.16917	113.96785	0.6	260.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 20:57:43	803416.7	814709.1	22.16911	113.96785	0.5	51.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 21:03:43	803407.8	814714.2	22.16903	113.9679	0.5	93.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 21:09:43	803415.6	814711.1	22.1691	113.96787	0.4	84.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 21:12:44	803403.4	814712.2	22.16899	113.96788	0.3	226.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 21:21:43	803396.8	814720.4	22.16893	113.96796	0.5	241.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 21:24:44	803399	814722.5	22.16895	113.96798	0.3	285.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 21:39:43	803406.7	814717.3	22.16902	113.96793	0.5	90.4	ShipXY



**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 21:45:43	803415.6	814712.2	22.1691	113.96788	0.3	30.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 21:51:48	803412.3	814709.1	22.16907	113.96785	0.6	263	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 21:57:48	803420	814713.2	22.16914	113.96789	0.5	261.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 22:06:44	803413.4	814714.2	22.16908	113.9679	0.4	267.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 22:15:43	803405.6	814718.3	22.16901	113.96794	0.3	284	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 22:24:49	803406.7	814718.3	22.16902	113.96794	0.4	264	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 22:33:44	803411.2	814718.4	22.16906	113.96794	0.3	273.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 22:39:44	803403.4	814718.3	22.16899	113.96794	0.1	300.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 22:45:43	803401.2	814717.3	22.16897	113.96793	0.4	239.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 22:51:42	803404.5	814714.2	22.169	113.9679	0.5	249.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 22:57:44	803404.5	814717.3	22.169	113.96793	0.4	310.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 23:03:44	803413.4	814715.3	22.16908	113.96791	0.2	228.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 23:09:44	803406.7	814718.3	22.16902	113.96794	0.3	101.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 23:15:44	803404.5	814715.3	22.169	113.96791	0.3	233.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 23:27:47	803394.5	814726.6	22.16891	113.96802	0.3	273.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 23:30:43	803400.1	814724.5	22.16896	113.968	0.4	251	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 23:39:44	803395.6	814723.5	22.16892	113.96799	0.2	65.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 23:45:51	803393.4	814731.7	22.16889	113.96807	0.4	50	ShipXY
HAI YANG SHI YOU 698	Crane barge	16-DEC-2020 23:51:43	803397.9	814727.6	22.16894	113.96803	0.5	25.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 00:03:43	803390.1	814729.7	22.16887	113.96805	0.4	15.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 00:03:51	803390.1	814729.7	22.16887	113.96805	0.4	16	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 00:15:42	803396.7	814729.7	22.16893	113.96805	0.6	23.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 00:21:43	803393.4	814732.8	22.16889	113.96808	0.9	5.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 00:24:43	803394.5	814730.7	22.16891	113.96806	0.5	353.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 00:33:43	803408.9	814733.8	22.16904	113.96809	0.4	340	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 00:39:44	803410	814733.8	22.16905	113.96809	0.4	322.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 00:45:44	803403.4	814740	22.16899	113.96815	0.4	337.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 00:48:43	803403.4	814741	22.16899	113.96816	0.3	301.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 00:57:43	803403.4	814745.2	22.16899	113.9682	0.3	302.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 01:03:43	803408.9	814749.3	22.16904	113.96824	0.3	311.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 01:09:43	803405.6	814752.4	22.16901	113.96827	0.3	333	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 01:15:43	803406.7	814760.6	22.16902	113.96835	0.3	283.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 01:18:43	803406.7	814764.8	22.16902	113.96839	0.5	315.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 01:27:45	803414.4	814769.9	22.16909	113.96844	0.2	284	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 01:39:43	803408.9	814777.1	22.16904	113.96851	0.3	136.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 01:45:43	803405.5	814781.3	22.16901	113.96855	0.3	135	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 01:45:44	803405.5	814781.3	22.16901	113.96855	0.3	135	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 01:57:43	803403.3	814785.4	22.16899	113.96859	0.3	137	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 01:58:00	803403.3	814785.4	22.16899	113.96859	0.3	137	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 02:12:51	803403.3	814788.5	22.16899	113.96862	0.2	121	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 02:15:57	803406.6	814791.6	22.16902	113.96865	0.1	84	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 02:27:44	803405.5	814792.6	22.16901	113.96866	0.4	122.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 02:39:43	803402.2	814790.5	22.16898	113.96864	0.4	116.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 02:42:53	803407.7	814794.7	22.16903	113.96868	0.1	92	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 02:51:43	803408.8	814794.7	22.16904	113.96868	0.4	119.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 03:03:43	803408.8	814795.7	22.16904	113.96869	0.4	119.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 03:09:44	803405.5	814792.6	22.16901	113.96866	0.4	118.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 03:15:44	803406.6	814791.6	22.16902	113.96865	0.3	276.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 03:21:43	803407.7	814792.6	22.16903	113.96866	0.3	120.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 03:28:03	803411.1	814793.6	22.16906	113.96867	0.3	132.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 03:45:43	803408.8	814793.6	22.16904	113.96867	0.1	169.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 03:51:43	803404.4	814789.5	22.169	113.96863	0.3	202.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 03:57:50	803406.6	814786.4	22.16902	113.9686	0.4	287	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 04:03:44	803401.1	814785.4	22.16897	113.96859	0.4	135.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 04:06:52	803398.9	814783.3	22.16895	113.96857	0.2	194	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 04:21:44	803393.4	814766.8	22.16889	113.96841	0.7	288	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 04:22:00	803393.4	814766.8	22.16889	113.96841	0.7	288	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 04:33:44	803397.8	814763.7	22.16894	113.96838	0.3	291.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 04:39:43	803397.8	814762.7	22.16894	113.96837	0.3	338.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 04:45:43	803398.9	814756.5	22.16895	113.96831	0.4	350.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 04:51:43	803401.2	814746.2	22.16897	113.96821	0.8	328.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 04:57:43	803391.2	814745.1	22.16888	113.9682	0.5	0.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 05:03:43	803391.2	814745.1	22.16888	113.9682	0.3	25.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 05:09:43	803389	814740	22.16886	113.96815	0.4	15.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 05:09:54	803389	814740	22.16886	113.96815	0.4	15	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 05:21:44	803393.4	814723.5	22.16889	113.96799	0.4	41.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 05:27:43	803395.6	814722.5	22.16892	113.96798	0.3	326.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 05:30:53	803394.5	814719.4	22.16891	113.96795	0.4	55	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 05:39:46	803405.6	814715.3	22.16901	113.96791	0.4	41.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 05:45:49	803395.7	814715.2	22.16892	113.96791	0.3	167.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 05:51:43	803400.1	814711.1	22.16896	113.96787	0.3	11.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 05:57:45	803402.3	814713.2	22.16898	113.96789	0.4	108.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 06:03:49	803396.8	814713.2	22.16893	113.96789	0.3	181	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 06:09:51	803402.3	814711.1	22.16898	113.96787	0.3	325.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 06:15:50	803399	814717.3	22.16895	113.96793	0.2	340.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 06:21:43	803397.9	814715.2	22.16894	113.96791	0.4	82.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 06:27:43	803404.5	814712.2	22.169	113.96788	0.3	255.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 06:33:56	803410.1	814709.1	22.16905	113.96785	0.5	263	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 06:39:47	803403.4	814711.1	22.16899	113.96787	0.3	239.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 06:45:43	803409	814710.1	22.16904	113.96786	0.3	47.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 06:48:43	803406.7	814710.1	22.16902	113.96786	0.5	267.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 06:54:54	803418.9	814707	22.16913	113.96783	0.3	314	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 07:00:43	803414.5	814705	22.16909	113.96781	0.4	260	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 07:09:43	803420	814702.9	22.16914	113.96779	0.4	273.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 07:15:43	803414.5	814709.1	22.16909	113.96785	0.3	277.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 07:18:43	803414.5	814700.8	22.16909	113.96777	0.3	257.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 07:27:43	803410.1	814707	22.16905	113.96783	0.4	114.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 07:33:43	803412.3	814708	22.16907	113.96784	0.3	87.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 07:42:51	803417.8	814706	22.16912	113.96782	0.4	268.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 07:48:55	803416.7	814707	22.16911	113.96783	0.2	3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 07:54:43	803416.7	814706	22.16911	113.96782	0.3	243.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 08:00:44	803418.9	814701.9	22.16913	113.96778	0.4	250.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 08:09:44	803428.9	814701.9	22.16922	113.96778	0.3	322.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 08:15:44	803423.4	814707	22.16917	113.96783	0.3	41.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 08:21:45	803422.2	814703.9	22.16916	113.9678	0.3	117.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 08:27:44	803433.3	814702.9	22.16926	113.96779	0.4	75.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 08:30:43	803431.1	814701.9	22.16924	113.96778	0.3	112.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 08:39:41	803426.7	814702.9	22.1692	113.96779	0.2	73	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 08:45:53	803428.9	814701.9	22.16922	113.96778	0.3	240	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 08:51:47	803423.4	814701.9	22.16917	113.96778	0.4	217.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 08:54:43	803418.9	814706	22.16913	113.96782	0.4	224.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 09:03:44	803424.5	814702.9	22.16918	113.96779	0.5	263	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 09:09:43	803424.5	814705	22.16918	113.96781	0.3	135.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 09:15:44	803424.5	814705	22.16918	113.96781	0.2	104	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 09:21:43	803428.9	814702.9	22.16922	113.96779	0.3	265.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 09:27:48	803434.4	814703.9	22.16927	113.9678	0.2	348.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 09:33:47	803435.5	814702.9	22.16928	113.96779	0.2	4.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 09:39:43	803435.5	814698.8	22.16928	113.96775	0.3	269.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 09:45:49	803430	814698.8	22.16923	113.96775	0.4	106.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 09:51:43	803434.4	814699.8	22.16927	113.96776	0.3	268	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 09:57:43	803428.9	814697.8	22.16922	113.96774	0.6	261.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 10:03:44	803426.7	814699.8	22.1692	113.96776	0.4	106.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 10:09:52	803427.8	814698.8	22.16921	113.96775	0.3	256	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 10:15:48	803428.9	814698.8	22.16922	113.96775	0.3	79.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 10:21:43	803432.2	814697.8	22.16925	113.96774	0.4	90.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 10:27:46	803430	814698.8	22.16923	113.96775	0.4	95.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 10:33:44	803428.9	814698.8	22.16922	113.96775	0.4	78	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 10:39:43	803430	814698.8	22.16923	113.96775	0.5	265.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 10:45:44	803427.8	814699.8	22.16921	113.96776	0.3	283.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 10:48:44	803427.8	814697.8	22.16921	113.96774	0.3	249.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 10:54:54	803430	814699.8	22.16923	113.96776	0.3	59	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 11:03:43	803433.3	814698.8	22.16926	113.96775	0.5	24.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 11:09:43	803433.3	814698.8	22.16926	113.96775	0.4	286.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 11:12:44	803432.2	814698.8	22.16925	113.96775	0.4	267.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 11:21:44	803430	814702.9	22.16923	113.96779	0.4	272.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 11:27:43	803430	814699.8	22.16923	113.96776	0.3	167.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 11:33:43	803438.9	814702.9	22.16931	113.96779	0.3	302.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 11:39:43	803437.8	814696.7	22.1693	113.96773	0.6	286.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 11:45:43	803433.3	814701.9	22.16926	113.96778	0.3	63.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 11:51:43	803440	814701.9	22.16932	113.96778	0.5	95.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 11:57:44	803435.5	814697.8	22.16928	113.96774	0.4	222.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 12:03:44	803432.2	814697.8	22.16925	113.96774	0.4	103.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 12:09:43	803434.4	814692.6	22.16927	113.96769	0.3	253.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 12:15:43	803431.1	814690.5	22.16924	113.96767	0.3	271.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 12:21:46	803433.3	814691.6	22.16926	113.96768	0.6	265.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 12:27:44	803437.8	814690.5	22.1693	113.96767	0.4	66.9	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 12:33:43	803437.8	814689.5	22.1693	113.96766	0.3	275.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 12:36:43	803437.8	814691.6	22.1693	113.96768	0.6	105.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 12:45:43	803441.1	814689.5	22.16933	113.96766	0.3	266.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 12:51:44	803442.2	814695.7	22.16934	113.96772	0.9	293.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 12:57:43	803437.8	814691.6	22.1693	113.96768	0.4	280	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 13:03:43	803437.8	814696.7	22.1693	113.96773	0.4	82.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 13:09:44	803438.9	814693.6	22.16931	113.9677	0.3	260.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 13:15:43	803430	814692.6	22.16923	113.96769	0.6	284.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 13:21:57	803437.8	814693.6	22.1693	113.9677	0.2	339	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 13:27:48	803438.9	814690.5	22.16931	113.96767	0.5	268.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 13:33:43	803442.2	814689.5	22.16934	113.96766	0.6	279.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 13:39:43	803440	814692.6	22.16932	113.96769	0.6	265.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 13:45:50	803437.8	814692.6	22.1693	113.96769	0.4	88.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 13:51:43	803438.9	814695.7	22.16931	113.96772	0.4	20.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 13:57:43	803449.9	814698.8	22.16941	113.96775	0.4	62	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 14:03:43	803442.2	814696.7	22.16934	113.96773	0.5	94.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 14:09:43	803442.2	814691.6	22.16934	113.96768	0.5	83.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 14:15:49	803447.7	814691.6	22.16939	113.96768	0.5	82.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 14:21:51	803442.2	814696.7	22.16934	113.96773	0.4	2.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 14:27:51	803449.9	814693.7	22.16941	113.9677	0.6	59.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 14:33:43	803441.1	814693.6	22.16933	113.9677	0.5	95.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 14:39:43	803442.2	814695.7	22.16934	113.96772	0.4	309.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 14:42:43	803442.2	814692.6	22.16934	113.96769	0.7	301.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 14:48:45	803441.1	814693.6	22.16933	113.9677	0.4	202	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 14:57:43	803441.1	814691.6	22.16933	113.96768	0.5	279.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 15:03:44	803430	814700.8	22.16923	113.96777	0.4	106	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 15:09:43	803432.2	814698.8	22.16925	113.96775	0.3	235.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 15:12:40	803423.4	814705	22.16917	113.96781	0.6	109	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 15:21:44	803415.6	814702.9	22.1691	113.96779	0.6	72.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 15:27:43	803416.7	814706	22.16911	113.96782	0.5	61.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 15:30:43	803416.7	814705	22.16911	113.96781	0.3	352.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 15:39:43	803415.6	814709.1	22.1691	113.96785	0.3	230.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 15:42:43	803415.6	814706	22.1691	113.96782	0.4	229	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 15:51:43	803408.9	814714.2	22.16904	113.9679	0.4	219	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 15:57:44	803417.8	814709.1	22.16912	113.96785	0.4	234.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 16:03:49	803409	814704.9	22.16904	113.96781	0.2	308.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 16:09:47	803414.5	814702.9	22.16909	113.96779	0.2	222.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 16:15:43	803414.5	814705	22.16909	113.96781	0.3	218.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 16:18:54	803409	814712.2	22.16904	113.96788	0.3	214	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 16:24:49	803410.1	814706	22.16905	113.96782	0.2	221	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 16:33:43	803412.3	814702.9	22.16907	113.96779	0.8	269.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 16:39:43	803413.4	814708	22.16908	113.96784	0.3	81.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 16:42:43	803414.5	814699.8	22.16909	113.96776	0.5	288.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 16:51:43	803415.6	814698.8	22.1691	113.96775	0.6	50.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 16:57:43	803428.9	814700.8	22.16922	113.96777	0.4	39.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 17:03:43	803418.9	814698.8	22.16913	113.96775	0.4	265	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 17:09:59	803421.2	814696.7	22.16915	113.96773	0.6	251	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 17:12:52	803422.3	814696.7	22.16916	113.96773	0.6	264	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 17:21:43	803424.5	814700.8	22.16918	113.96777	0.3	97.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 17:27:43	803423.4	814695.7	22.16917	113.96772	0.5	66.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 17:27:56	803423.4	814695.7	22.16917	113.96772	0.5	67	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 17:36:47	803421.1	814701.9	22.16915	113.96778	0.7	265	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 17:45:43	803427.8	814699.8	22.16921	113.96776	0.5	267.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 17:51:54	803427.8	814695.7	22.16921	113.96772	0.5	257	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 18:03:43	803430	814693.6	22.16923	113.9677	0.5	260.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 18:09:43	803434.4	814695.7	22.16927	113.96772	0.4	254.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 18:15:43	803428.9	814699.8	22.16922	113.96776	0.4	68.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 18:21:43	803437.8	814695.7	22.1693	113.96772	0.5	265.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 18:27:43	803438.9	814697.8	22.16931	113.96774	0.5	353.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 18:27:45	803438.9	814697.8	22.16931	113.96774	0.5	354	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 18:39:43	803442.2	814698.8	22.16934	113.96775	0.4	244.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 18:42:43	803443.3	814699.8	22.16935	113.96776	0.6	77.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 18:57:43	803436.7	814693.6	22.16929	113.9677	0.3	278	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 19:03:44	803436.7	814695.7	22.16929	113.96772	0.4	276	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 19:09:43	803435.6	814694.7	22.16928	113.96771	0.3	26.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 19:15:43	803441.1	814690.5	22.16933	113.96767	0.4	302.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 19:21:43	803437.8	814690.5	22.1693	113.96767	0.6	246.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 19:21:52	803437.8	814690.5	22.1693	113.96767	0.6	247	ShipXY



**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 19:33:43	803435.6	814689.5	22.16928	113.96766	0.4	278.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 19:36:43	803435.6	814691.6	22.16928	113.96768	0.4	170.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 19:42:45	803431.1	814689.5	22.16924	113.96766	0.3	140	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 19:48:59	803425.6	814692.6	22.16919	113.96769	0.3	262	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 19:57:43	803425.6	814691.6	22.16919	113.96768	0.4	268.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 20:06:43	803420.1	814692.6	22.16914	113.96769	0.4	140.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 20:15:59	803412.3	814696.7	22.16907	113.96773	0.3	115.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 20:24:43	803413.4	814695.7	22.16908	113.96772	0.3	220.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 20:33:53	803415.6	814696.7	22.1691	113.96773	0.3	276	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 20:42:43	803410.1	814698.8	22.16905	113.96775	0.3	60.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 20:54:43	803412.3	814695.7	22.16907	113.96772	0.3	266.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 21:04:00	803413.4	814693.6	22.16908	113.9677	0.5	256.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 21:09:44	803413.4	814695.7	22.16908	113.96772	0.5	277.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 21:12:42	803413.4	814698.8	22.16908	113.96775	0.3	242.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 21:21:43	803406.8	814696.7	22.16902	113.96773	0.3	189.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 21:33:43	803405.6	814698.8	22.16901	113.96775	0.3	234.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 21:39:43	803404.5	814697.7	22.169	113.96774	0.3	328.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 21:45:43	803394.6	814711.1	22.16891	113.96787	0.4	75.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 21:51:43	803396.8	814711.1	22.16893	113.96787	0.5	228.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 21:57:43	803394.6	814706	22.16891	113.96782	0.4	258.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 22:00:57	803406.7	814704.9	22.16902	113.96781	0.3	251	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 22:09:49	803404.5	814701.8	22.169	113.96778	0.2	304.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 22:15:43	803401.2	814708	22.16897	113.96784	0.2	28.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 22:18:43	803402.3	814703.9	22.16898	113.9678	0.3	66.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 22:24:43	803400.1	814707	22.16896	113.96783	0.3	273.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 22:33:43	803396.8	814713.2	22.16893	113.96789	0.4	265.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 22:39:43	803397.9	814714.2	22.16894	113.9679	0.3	254.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 22:46:00	803400.1	814709.1	22.16896	113.96785	0.6	258.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 22:51:46	803401.2	814713.2	22.16897	113.96789	0.2	316.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 22:57:46	803407.9	814704.9	22.16903	113.96781	0.2	356.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 23:03:43	803406.7	814704.9	22.16902	113.96781	0.3	289.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 23:09:41	803397.9	814714.2	22.16894	113.9679	0.2	71	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 23:21:43	803404.5	814706	22.169	113.96782	0.4	81.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 23:27:46	803406.7	814707	22.16902	113.96783	0.4	87.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 23:33:43	803405.6	814707	22.16901	113.96783	0.7	245.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 23:39:43	803403.4	814703.9	22.16899	113.9678	0.5	254.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 23:45:43	803396.8	814710.1	22.16893	113.96786	0.3	261.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 23:51:46	803407.9	814704.9	22.16903	113.96781	0.3	64.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	17-DEC-2020 23:54:43	803400.1	814706	22.16896	113.96782	0.3	110.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 00:06:43	803406.7	814710.1	22.16902	113.96786	0.4	62.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 00:15:47	803404.5	814702.9	22.169	113.96779	0.2	273.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 00:21:44	803397.9	814717.3	22.16894	113.96793	0.3	244.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 00:27:43	803397.9	814715.2	22.16894	113.96791	0.5	235	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 00:33:43	803395.6	814724.5	22.16892	113.968	0.3	201.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 00:39:43	803392.3	814735.9	22.16889	113.96811	0.5	223.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 00:45:43	803389	814745.1	22.16886	113.9682	0.4	213.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 00:48:46	803393.4	814745.1	22.1689	113.9682	0.6	213	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 00:54:55	803395.6	814737.9	22.16892	113.96813	0.6	333	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 01:03:43	803394.5	814751.3	22.16891	113.96826	0.4	32.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 01:09:43	803398.9	814757.5	22.16895	113.96832	0.5	8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 01:18:44	803408.9	814760.6	22.16904	113.96835	0.3	283	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 01:21:49	803407.8	814758.6	22.16903	113.96833	0.5	314	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 01:33:43	803403.4	814753.4	22.16899	113.96828	0.4	317.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 01:45:43	803400	814752.4	22.16896	113.96827	0.3	312.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 01:57:55	803397.8	814752.4	22.16894	113.96827	0.2	231	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 02:03:43	803398.9	814756.5	22.16895	113.96831	0.2	46	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 02:09:43	803402.2	814762.7	22.16898	113.96837	0.3	185.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 02:12:47	803403.4	814757.5	22.16899	113.96832	0.4	324	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 02:18:39	803404.4	814774	22.169	113.96848	0.2	49	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 02:27:43	803402.2	814774	22.16898	113.96848	0.1	323.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 02:30:49	803405.5	814775.1	22.16901	113.96849	0.2	347	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 02:39:56	803405.5	814777.1	22.16901	113.96851	0.4	321	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 02:45:43	803410	814778.2	22.16905	113.96852	0.3	310.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 02:51:58	803410	814778.2	22.16905	113.96852	0.2	289	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 03:03:43	803404.4	814778.2	22.169	113.96852	0.2	288.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 03:09:43	803408.9	814780.2	22.16904	113.96854	0.3	313.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 03:21:44	803407.7	814783.3	22.16903	113.96857	0.2	314.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 03:33:43	803410	814782.3	22.16905	113.96856	0.3	321	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 03:39:43	803411.1	814784.4	22.16906	113.96858	0.3	318.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 03:45:43	803408.9	814784.4	22.16904	113.96858	0.4	276.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 03:57:43	803403.3	814782.3	22.16899	113.96856	0.3	247.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 04:09:43	803398.9	814781.3	22.16895	113.96855	0.4	298.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 04:21:48	803396.7	814781.3	22.16893	113.96855	0.2	6.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 04:24:43	803393.4	814781.2	22.1689	113.96855	0.4	295.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 04:33:43	803394.5	814778.2	22.16891	113.96852	0.3	276.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 04:36:58	803393.4	814779.2	22.1689	113.96853	0.3	349	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 04:42:45	803390	814775.1	22.16887	113.96849	0.3	250.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 04:51:43	803384.5	814769.9	22.16882	113.96844	0.3	178.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 05:03:44	803385.6	814770.9	22.16883	113.96845	0.6	138.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 05:09:44	803382.3	814761.6	22.1688	113.96836	0.4	127.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 05:15:44	803386.7	814766.8	22.16884	113.96841	0.4	141.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 05:18:44	803383.4	814756.5	22.16881	113.96831	0.3	291.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 05:30:43	803384.5	814761.6	22.16882	113.96836	0.4	310.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 05:36:43	803386.7	814765.8	22.16884	113.9684	0.3	242	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 05:45:57	803385.6	814759.6	22.16883	113.96834	0.4	329	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 05:51:43	803384.5	814753.4	22.16882	113.96828	0.5	325.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 05:57:49	803386.7	814755.5	22.16884	113.9683	0.6	345.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 06:00:58	803386.7	814752.4	22.16884	113.96827	0.3	307	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 06:09:43	803373.4	814762.7	22.16872	113.96837	0.3	165.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 06:15:43	803383.4	814768.9	22.16881	113.96843	0.4	230.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 06:21:43	803380.1	814756.5	22.16878	113.96831	0.3	190.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 06:27:43	803370.1	814762.6	22.16869	113.96837	0.6	214	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 06:33:43	803375.7	814752.3	22.16874	113.96827	0.6	26.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 06:36:43	803372.4	814748.2	22.16871	113.96823	0.4	24.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 06:45:44	803375.7	814733.8	22.16874	113.96809	0.3	208.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 06:51:43	803376.8	814731.7	22.16875	113.96807	0.4	252.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 06:54:43	803387.9	814724.5	22.16885	113.968	0.5	5.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 07:03:44	803395.7	814709.1	22.16892	113.96785	0.4	241	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 07:09:44	803399	814709.1	22.16895	113.96785	0.3	265.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 07:15:44	803380.1	814719.3	22.16878	113.96795	0.3	227.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 07:18:44	803373.5	814730.7	22.16872	113.96806	0.5	73.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 07:24:44	803374.6	814734.8	22.16873	113.9681	0.3	253.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 07:33:43	803381.2	814725.5	22.16879	113.96801	0.3	255.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 07:39:44	803390.1	814719.4	22.16887	113.96795	0.4	268.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 07:45:44	803399	814712.2	22.16895	113.96788	0.3	272.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 07:51:43	803407.8	814708	22.16903	113.96784	0.3	299.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 07:57:43	803413.4	814707	22.16908	113.96783	0.3	278	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 08:03:51	803414.5	814707	22.16909	113.96783	0.2	240	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 08:15:43	803421.1	814701.9	22.16915	113.96778	0.4	242	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 08:27:47	803417.8	814701.9	22.16912	113.96778	0.3	321.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 08:33:44	803424.5	814702.9	22.16918	113.96779	0.3	51.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 08:36:44	803420	814702.9	22.16914	113.96779	0.4	195.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 08:42:44	803428.9	814707	22.16922	113.96783	0.3	355.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 08:51:57	803427.8	814702.9	22.16921	113.96779	0.2	269	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 08:57:43	803425.6	814702.9	22.16919	113.96779	0.4	101.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 09:03:44	803425.6	814702.9	22.16919	113.96779	0.3	350.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 09:09:43	803428.9	814702.9	22.16922	113.96779	0.5	260.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 09:12:52	803426.7	814705	22.1692	113.96781	0.3	23.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 09:21:43	803427.8	814710.1	22.16921	113.96786	0.3	74.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 09:27:47	803427.8	814706	22.16921	113.96782	0.2	104	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 09:33:43	803432.2	814705	22.16925	113.96781	0.3	218	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 09:36:50	803430	814705	22.16923	113.96781	0.3	299.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 09:45:43	803428.9	814699.8	22.16922	113.96776	0.4	233.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 09:51:43	803425.6	814700.8	22.16919	113.96777	0.5	109.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 09:54:43	803424.5	814705	22.16918	113.96781	0.3	81.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 10:03:44	803430	814706	22.16923	113.96782	0.3	315.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 10:09:48	803432.2	814705	22.16925	113.96781	0.3	276	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 10:15:43	803432.2	814702.9	22.16925	113.96779	0.3	302	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 10:21:43	803430	814701.9	22.16923	113.96778	0.4	280	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 10:27:55	803432.2	814700.9	22.16925	113.96777	0.3	273	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 10:33:43	803441.1	814708.1	22.16933	113.96784	0.4	303.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 10:36:52	803434.4	814701.9	22.16927	113.96778	0.3	164.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 10:45:50	803436.6	814705	22.16929	113.96781	0.3	43.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 10:51:44	803432.2	814703.9	22.16925	113.9678	0.3	116.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 10:54:43	803433.3	814708.1	22.16926	113.96784	0.4	101.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 11:03:43	803433.3	814705	22.16926	113.96781	0.5	309.7	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 11:09:44	803435.5	814702.9	22.16928	113.96779	0.3	283.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 11:12:44	803431.1	814706	22.16924	113.96782	0.4	289.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 11:21:49	803432.2	814700.9	22.16925	113.96777	0.4	245.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 11:27:44	803436.6	814705	22.16929	113.96781	0.3	275.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 11:30:57	803433.3	814703.9	22.16926	113.9678	0.4	287	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 11:36:43	803436.6	814701.9	22.16929	113.96778	0.4	299	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 11:45:43	803433.3	814700.9	22.16926	113.96777	0.3	299.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 11:51:52	803436.6	814702.9	22.16929	113.96779	0.4	283	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 11:54:43	803434.4	814701.9	22.16927	113.96778	0.4	308.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 12:03:43	803435.5	814703.9	22.16928	113.9678	0.3	301.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 12:09:44	803431.1	814702.9	22.16924	113.96779	0.4	295.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 12:12:43	803433.3	814703.9	22.16926	113.9678	0.3	306.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 12:18:43	803434.4	814702.9	22.16927	113.96779	0.5	313.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 12:24:54	803433.3	814701.9	22.16926	113.96778	0.3	310	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 12:30:43	803426.7	814698.8	22.1692	113.96775	0.4	313.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 12:36:47	803428.9	814703.9	22.16922	113.9678	0.3	116.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 12:42:56	803425.6	814706	22.16919	113.96782	0.2	94.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 12:48:45	803431.1	814708.1	22.16924	113.96784	0.4	88	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 12:57:43	803431.1	814705	22.16924	113.96781	0.4	309.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 13:00:52	803431.1	814706	22.16924	113.96782	0.3	296	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 13:09:54	803427.8	814706	22.16921	113.96782	0.6	300	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 13:18:58	803430	814707	22.16923	113.96783	0.2	289.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 13:24:43	803433.3	814709.1	22.16926	113.96785	0.2	91.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 13:36:56	803431.1	814706	22.16924	113.96782	0.3	88.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 13:45:44	803434.4	814703.9	22.16927	113.9678	0.4	128.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 13:48:55	803435.5	814709.1	22.16928	113.96785	0.1	153.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 13:57:43	803436.6	814709.1	22.16929	113.96785	0.5	119.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 14:00:51	803435.5	814710.1	22.16928	113.96786	0.3	128.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 14:09:44	803436.6	814706	22.16929	113.96782	0.4	288.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 14:12:55	803432.2	814710.1	22.16925	113.96786	0.3	317.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 14:21:43	803434.4	814709.1	22.16927	113.96785	0.3	299.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 14:27:43	803435.5	814711.2	22.16928	113.96787	0.3	63.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 14:33:44	803436.6	814709.1	22.16929	113.96785	0.3	316.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 14:36:55	803440	814712.2	22.16932	113.96788	0.2	336.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 14:43:00	803437.7	814709.1	22.1693	113.96785	0.2	290	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 14:51:43	803435.5	814708.1	22.16928	113.96784	0.6	299.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 14:54:43	803435.5	814711.2	22.16928	113.96787	0.3	343.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 15:00:54	803425.6	814717.3	22.16919	113.96793	0.2	167.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 15:09:43	803442.2	814710.1	22.16934	113.96786	0.4	340.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 15:15:47	803435.5	814714.3	22.16928	113.9679	0.3	310.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 15:21:43	803436.6	814713.2	22.16929	113.96789	0.5	320.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 15:27:43	803436.6	814711.2	22.16929	113.96787	0.4	308.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 15:39:43	803438.9	814708.1	22.16931	113.96784	0.5	317.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 15:45:55	803442.2	814716.3	22.16934	113.96792	0.3	336.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 15:51:53	803444.4	814711.2	22.16936	113.96787	0.3	320.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 15:54:53	803443.3	814714.3	22.16935	113.9679	0.3	328.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 16:00:55	803444.4	814715.3	22.16936	113.96791	0.3	315.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 16:09:43	803446.6	814716.3	22.16938	113.96792	0.3	124.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 16:12:59	803444.4	814715.3	22.16936	113.96791	0.2	174	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 16:18:55	803442.2	814715.3	22.16934	113.96791	0.3	136	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 16:30:57	803442.2	814715.3	22.16934	113.96791	0.5	162	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 16:36:56	803441.1	814715.3	22.16933	113.96791	0.2	125.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 16:42:45	803445.5	814712.2	22.16937	113.96788	0.2	310	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 16:51:44	803448.8	814715.3	22.1694	113.96791	0.4	332.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 16:57:43	803444.4	814716.3	22.16936	113.96792	0.6	300.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 17:03:43	803447.7	814720.5	22.16939	113.96796	0.5	326.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 17:09:51	803446.6	814717.4	22.16938	113.96793	0.5	325.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 17:15:43	803447.7	814717.4	22.16939	113.96793	0.4	320.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 17:21:44	803448.8	814715.3	22.1694	113.96791	0.4	341.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 17:28:10	803447.7	814712.2	22.16939	113.96788	0.2	322.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 17:33:44	803447.7	814715.3	22.16939	113.96791	0.5	319	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 17:39:43	803451	814721.5	22.16942	113.96797	0.3	343.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 17:45:44	803451	814722.5	22.16942	113.96798	0.5	8.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 17:49:51	803455.4	814724.6	22.16946	113.968	0.3	329.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 17:57:44	803451	814714.3	22.16942	113.9679	0.4	300.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 18:00:52	803448.8	814709.1	22.1694	113.96785	0.4	173.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 18:08:50	803448.8	814710.2	22.1694	113.96786	0.3	207.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 18:10:02	803438.9	814706	22.16931	113.96782	0.4	145	ShipXY



**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 18:21:52	803448.8	814712.2	22.1694	113.96788	0.4	358.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 18:33:51	803451	814710.2	22.16942	113.96786	0.4	146.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 18:39:47	803451	814717.4	22.16942	113.96793	0.5	167	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 18:45:46	803440	814706	22.16932	113.96782	0.4	208	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 18:49:10	803428.9	814701.9	22.16922	113.96778	0.2	135.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 18:54:57	803406.7	814701.8	22.16902	113.96778	0.2	137	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 19:00:45	803411.2	814706	22.16906	113.96782	0.4	349.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 19:09:52	803416.7	814698.8	22.16911	113.96775	0.3	60.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 19:12:56	803411.2	814698.8	22.16906	113.96775	0.3	150	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 19:21:43	803413.4	814699.8	22.16908	113.96776	0.4	292.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 19:24:46	803406.8	814700.8	22.16902	113.96777	0.2	198	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 19:39:43	803417.8	814700.8	22.16912	113.96777	0.3	299.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 19:45:43	803428.9	814700.8	22.16922	113.96777	0.3	220.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 19:48:58	803422.3	814696.7	22.16916	113.96773	0.2	185.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 19:55:05	803402.3	814700.8	22.16898	113.96777	0.3	148	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 20:15:58	803403.4	814700.8	22.16899	113.96777	0.2	68	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 20:21:44	803412.3	814699.8	22.16907	113.96776	0.3	14.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 20:27:57	803406.7	814701.8	22.16902	113.96778	0.4	83.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 20:33:44	803392.4	814700.8	22.16889	113.96777	0.4	96.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 20:34:03	803392.4	814700.8	22.16889	113.96777	0.4	97	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 20:40:02	803400.1	814695.7	22.16896	113.96772	0.2	332	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 20:48:44	803400.1	814697.7	22.16896	113.96774	0.3	102.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 20:48:59	803400.1	814697.7	22.16896	113.96774	0.3	103	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 21:03:43	803386.8	814704.9	22.16884	113.96781	0.1	159.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 21:03:51	803386.8	814704.9	22.16884	113.96781	0.1	160	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 21:15:44	803390.1	814699.8	22.16887	113.96776	0.3	283.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 21:18:43	803389	814700.8	22.16886	113.96777	0.3	202.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 21:21:47	803379.1	814705.9	22.16877	113.96782	0.2	70.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 21:33:43	803379.1	814708	22.16877	113.96784	0.2	213.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 21:34:01	803379.1	814708	22.16877	113.96784	0.2	214	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 21:45:43	803373.5	814717.3	22.16872	113.96793	0.5	243.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 22:00:42	803369.1	814732.7	22.16868	113.96808	0.3	50.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 22:06:43	803364.6	814737.9	22.16864	113.96813	0.4	85.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 22:15:43	803366.8	814743	22.16866	113.96818	0.3	244.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 22:18:43	803365.7	814747.2	22.16865	113.96822	0.3	217.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 22:24:48	803362.4	814739.9	22.16862	113.96815	0.4	202.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 22:33:53	803364.6	814749.2	22.16864	113.96824	0.4	262	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 22:39:57	803369	814762.6	22.16868	113.96837	0.3	39	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 22:54:43	803372.4	814748.2	22.16871	113.96823	0.4	50.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 23:00:43	803370.2	814743.1	22.16869	113.96818	0.3	6.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 23:06:43	803377.9	814742	22.16876	113.96817	0.3	64.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 23:09:53	803369	814743.1	22.16868	113.96818	0.3	233	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 23:18:50	803369	814750.3	22.16868	113.96825	0.2	235	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 23:28:01	803374.6	814747.2	22.16873	113.96822	0.2	241	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 23:36:49	803367.9	814744.1	22.16867	113.96819	0.1	216	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 23:42:43	803380.1	814737.9	22.16878	113.96813	0.3	37.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 23:51:57	803373.5	814740	22.16872	113.96815	0.3	114	ShipXY
HAI YANG SHI YOU 698	Crane barge	18-DEC-2020 23:54:43	803367.9	814738.9	22.16867	113.96814	0.3	73.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 00:00:43	803365.7	814751.3	22.16865	113.96826	0.4	47.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 00:06:57	803372.3	814764.7	22.16871	113.96839	0.3	343	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 00:12:43	803385.6	814759.6	22.16883	113.96834	0.5	350	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 00:21:59	803391.2	814768.9	22.16888	113.96843	0.2	329	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 00:30:57	803379	814773	22.16877	113.96847	0.4	299	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 00:33:53	803382.3	814763.7	22.1688	113.96838	0.4	283	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 00:42:49	803382.3	814757.5	22.1688	113.96832	0.2	295	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 00:48:43	803380.1	814758.5	22.16878	113.96833	0.2	330.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 00:48:57	803380.1	814758.5	22.16878	113.96833	0.2	331	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 01:00:49	803386.7	814753.4	22.16884	113.96828	0.1	293	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 01:09:51	803382.3	814751.3	22.1688	113.96826	0.2	241.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 01:12:58	803380.1	814760.6	22.16878	113.96835	0.2	105	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 01:22:00	803380.1	814765.8	22.16878	113.9684	0.2	226	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 01:28:00	803383.4	814760.6	22.16881	113.96835	0.2	260	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 01:36:48	803380.1	814760.6	22.16878	113.96835	0.2	211.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 01:48:59	803380.1	814765.8	22.16878	113.9684	0.1	264	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 02:03:43	803379	814766.8	22.16877	113.96841	0.3	271.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 02:06:55	803380.1	814765.8	22.16878	113.9684	0.1	307	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 02:21:53	803379	814765.8	22.16877	113.9684	0.2	319	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 02:36:43	803377.9	814768.8	22.16876	113.96843	0.2	294	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 02:39:59	803379	814766.8	22.16877	113.96841	0.2	326	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 02:51:43	803385.6	814779.2	22.16883	113.96853	0.2	113.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 02:51:58	803385.6	814779.2	22.16883	113.96853	0.2	114	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 03:09:43	803388.9	814777.1	22.16886	113.96851	0.3	306.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 03:12:57	803394.5	814782.3	22.16891	113.96856	0.2	326	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 03:18:43	803392.2	814780.2	22.16889	113.96854	0.3	244.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 03:24:49	803390	814785.4	22.16887	113.96859	0.3	116	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 03:33:43	803385.6	814783.3	22.16883	113.96857	0.3	18.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 03:40:00	803383.4	814779.2	22.16881	113.96853	0.1	323	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 03:45:44	803380.1	814780.2	22.16878	113.96854	0.2	125.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 03:48:43	803384.5	814782.3	22.16882	113.96856	0.3	72	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 03:54:43	803387.8	814783.3	22.16885	113.96857	0.1	243	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 04:00:43	803391.1	814788.5	22.16888	113.96862	0.3	156.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 04:15:43	803379	814780.2	22.16877	113.96854	0.1	264.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 04:18:57	803379	814779.2	22.16877	113.96853	0.4	284	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 04:27:43	803379	814777.1	22.16877	113.96851	0.3	331.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 04:36:58	803388.9	814784.3	22.16886	113.96858	0.1	323	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 04:42:43	803391.1	814786.4	22.16888	113.9686	0.3	314.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 04:57:44	803387.8	814784.3	22.16885	113.96858	0.2	205.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 05:01:00	803376.7	814780.2	22.16875	113.96854	0.2	208	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 05:12:44	803379	814774	22.16877	113.96848	0.3	332.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 05:15:58	803375.6	814776.1	22.16874	113.9685	0.1	216	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 05:27:43	803374.5	814770.9	22.16873	113.96845	0.3	103.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 05:33:55	803382.3	814766.8	22.1688	113.96841	0.2	323	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 05:42:43	803382.3	814776.1	22.1688	113.9685	0.2	119.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 05:48:49	803393.4	814775.1	22.1689	113.96849	0.1	333	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 05:57:43	803387.8	814774	22.16885	113.96848	0.1	197.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 05:57:59	803387.8	814774	22.16885	113.96848	0.1	198	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 06:12:43	803391.1	814777.1	22.16888	113.96851	0.2	283	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 06:15:48	803391.1	814776.1	22.16888	113.9685	0.1	238	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 06:27:43	803405.6	814767.9	22.16901	113.96842	0.2	302.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 06:33:43	803383.4	814763.7	22.16881	113.96838	0.3	97.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 06:33:47	803383.4	814763.7	22.16881	113.96838	0.3	98	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 06:45:44	803385.6	814761.6	22.16883	113.96836	0.3	283	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 06:54:52	803374.6	814762.7	22.16873	113.96837	0.2	93	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 07:03:44	803383.4	814744.1	22.16881	113.96819	0.3	317.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 07:09:44	803399	814731.7	22.16895	113.96807	0.3	286.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 07:12:49	803385.7	814731.7	22.16883	113.96807	0.3	195	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 07:21:43	803381.2	814737.9	22.16879	113.96813	0.3	304.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 07:27:43	803389	814742	22.16886	113.96817	0.3	38.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 07:33:44	803365.7	814752.3	22.16865	113.96827	0.5	209.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 07:39:43	803372.3	814763.7	22.16871	113.96838	0.3	202.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 07:42:58	803372.3	814767.8	22.16871	113.96842	0.5	204	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 07:48:44	803364.6	814765.7	22.16864	113.9684	0.4	177.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 07:57:48	803373.4	814770.9	22.16872	113.96845	0.4	37	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 08:03:43	803367.9	814759.6	22.16867	113.96834	0.5	14.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 08:06:43	803369	814750.3	22.16868	113.96825	0.4	260.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 08:15:43	803375.7	814733.8	22.16874	113.96809	0.4	214.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 08:21:57	803379	814728.6	22.16877	113.96804	0.2	314	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 08:27:44	803392.3	814725.5	22.16889	113.96801	0.2	300.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 08:33:55	803396.7	814727.6	22.16893	113.96803	0.2	356.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 08:39:43	803395.6	814727.6	22.16892	113.96803	0.5	268	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 08:48:43	803401.2	814727.6	22.16897	113.96803	0.3	261	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 08:57:54	803396.7	814732.8	22.16893	113.96808	0.2	243	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 09:03:54	803392.3	814723.5	22.16889	113.96799	0.2	215.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 09:09:53	803393.4	814726.6	22.1689	113.96802	0.2	179.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 09:15:53	803396.7	814727.6	22.16893	113.96803	0.3	269.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 09:21:43	803392.3	814721.4	22.16889	113.96797	0.3	20.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 09:24:50	803405.6	814726.6	22.16901	113.96802	0.3	75	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 09:33:55	803407.8	814720.4	22.16903	113.96796	0.2	257	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 09:39:43	803410	814718.4	22.16905	113.96794	0.3	289.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 09:45:55	803413.4	814725.6	22.16908	113.96801	0.3	334.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 09:51:44	803412.3	814716.3	22.16907	113.96792	0.3	266.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 09:57:55	803414.5	814715.3	22.16909	113.96791	0.4	294.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 10:03:55	803416.7	814715.3	22.16911	113.96791	0.4	277.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 10:06:50	803416.7	814715.3	22.16911	113.96791	0.4	253	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 10:15:49	803415.6	814715.3	22.1691	113.96791	0.1	272.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 10:18:50	803413.4	814717.3	22.16908	113.96793	0.3	256	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 10:27:49	803413.4	814714.2	22.16908	113.9679	0.4	275.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 10:33:49	803411.2	814710.1	22.16906	113.96786	0.5	243.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 10:39:49	803413.4	814712.2	22.16908	113.96788	0.3	282.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 10:51:44	803411.2	814711.1	22.16906	113.96787	0.3	297.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 10:57:49	803414.5	814713.2	22.16909	113.96789	0.1	285.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 11:03:49	803415.6	814716.3	22.1691	113.96792	0.3	267.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 11:09:50	803415.6	814714.2	22.1691	113.9679	0.3	280	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 11:21:49	803412.3	814712.2	22.16907	113.96788	0.2	275.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 11:27:49	803412.3	814716.3	22.16907	113.96792	0.2	306.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 11:39:49	803406.7	814714.2	22.16902	113.9679	0.3	280	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 11:39:52	803406.7	814714.2	22.16902	113.9679	0.3	280	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 11:51:49	803397.9	814714.2	22.16894	113.9679	0.3	83.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 11:57:49	803394.6	814714.2	22.16891	113.9679	0.3	282.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 12:00:44	803392.3	814716.3	22.16889	113.96792	0.3	179.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 12:12:43	803397.9	814716.3	22.16894	113.96792	0.4	66.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 12:12:58	803397.9	814716.3	22.16894	113.96792	0.4	67	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 12:27:49	803386.8	814712.1	22.16884	113.96788	0.2	113.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 12:33:43	803387.9	814714.2	22.16885	113.9679	0.4	244.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 12:36:43	803391.2	814713.2	22.16888	113.96789	0.3	285.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 12:45:52	803389	814714.2	22.16886	113.9679	0.2	182.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 12:51:44	803390.1	814717.3	22.16887	113.96793	0.6	255.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 12:57:43	803377.9	814719.3	22.16876	113.96795	0.3	61.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 13:00:59	803376.8	814725.5	22.16875	113.96801	0.3	69	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 13:06:43	803370.2	814733.8	22.16869	113.96809	0.3	213.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 13:19:01	803366.8	814746.1	22.16866	113.96821	0.5	59	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 13:27:43	803366.8	814753.4	22.16866	113.96828	0.3	12	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 13:30:49	803366.8	814755.4	22.16866	113.9683	0.5	30	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 13:39:44	803367.9	814767.8	22.16867	113.96842	0.6	29	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 13:46:02	803366.8	814762.6	22.16866	113.96837	0.4	359	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 13:51:44	803366.8	814761.6	22.16866	113.96836	0.3	32.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 14:00:52	803366.8	814765.7	22.16866	113.9684	0.3	25	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 14:09:44	803367.9	814775	22.16867	113.96849	0.4	27	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 14:12:43	803369	814776.1	22.16868	113.9685	0.3	74.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 14:21:43	803369	814768.8	22.16868	113.96843	0.3	24	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 14:27:44	803367.9	814773	22.16867	113.96847	0.3	39.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 14:33:57	803371.2	814779.2	22.1687	113.96853	0.2	25	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 14:39:43	803370.1	814788.4	22.16869	113.96862	0.3	60.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 14:45:44	803373.4	814788.4	22.16872	113.96862	0.3	344.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 14:51:43	803372.3	814796.7	22.16871	113.9687	0.3	53.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 14:57:43	803380	814799.8	22.16878	113.96873	0.4	30	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 15:03:43	803375.6	814796.7	22.16874	113.9687	0.3	13.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 15:09:43	803370.1	814793.6	22.16869	113.96867	0.5	23.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 15:12:43	803374.5	814785.3	22.16873	113.96859	0.5	333.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 15:18:44	803364.6	814779.1	22.16864	113.96853	0.3	183.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 15:24:43	803363.5	814771.9	22.16863	113.96846	0.3	204.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 15:31:00	803364.6	814776.1	22.16864	113.9685	0.3	136	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 15:36:50	803371.2	814787.4	22.1687	113.96861	0.3	32	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 15:42:43	803369	814791.5	22.16868	113.96865	0.4	47.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 15:54:43	803367.9	814786.4	22.16867	113.9686	0.4	216.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 16:03:55	803376.7	814787.4	22.16875	113.96861	0.5	220.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 16:09:43	803370.1	814767.8	22.16869	113.96842	0.5	221	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 16:15:52	803373.4	814763.7	22.16872	113.96838	0.5	253.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 16:27:49	803369	814759.6	22.16868	113.96834	0.4	239	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 16:31:01	803373.5	814756.5	22.16872	113.96831	0.3	238	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 16:39:43	803369	814765.7	22.16868	113.9684	0.4	11.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 16:42:57	803366.8	814756.5	22.16866	113.96831	0.4	236	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 16:51:43	803363.5	814774	22.16863	113.96848	0.5	65.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 16:54:44	803373.4	814777.1	22.16872	113.96851	0.9	351.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 17:03:43	803370.1	814752.3	22.16869	113.96827	0.8	56.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 17:07:01	803367.9	814745.1	22.16867	113.9682	0.4	255	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 17:15:44	803365.7	814753.4	22.16865	113.96828	0.3	251.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 17:18:50	803364.6	814755.4	22.16864	113.9683	0.4	202	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 17:24:43	803370.1	814766.8	22.16869	113.96841	0.4	218.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 17:33:54	803366.8	814756.5	22.16866	113.96831	0.5	205.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 17:36:43	803364.6	814765.7	22.16864	113.9684	0.4	237.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 17:42:43	803371.2	814767.8	22.1687	113.96842	0.3	244.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 17:48:50	803360.2	814761.6	22.1686	113.96836	0.6	220	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 17:57:54	803365.7	814771.9	22.16865	113.96846	0.3	230.1	ShipXY



**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 18:03:43	803365.7	814769.9	22.16865	113.96844	0.6	237.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 18:06:43	803363.5	814766.8	22.16863	113.96841	0.3	212.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 18:07:01	803363.5	814766.8	22.16863	113.96841	0.3	213	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 18:18:43	803365.7	814765.7	22.16865	113.9684	0.4	252.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 18:24:43	803363.5	814761.6	22.16863	113.96836	0.6	212	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 18:33:43	803363.5	814764.7	22.16863	113.96839	0.3	201.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 18:36:43	803365.7	814759.5	22.16865	113.96834	0.5	238.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 18:39:57	803359.1	814757.5	22.16859	113.96832	0.6	228	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 18:48:47	803362.4	814762.6	22.16862	113.96837	0.5	224	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 18:54:43	803360.2	814753.4	22.1686	113.96828	0.3	235.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 19:03:43	803364.6	814740	22.16864	113.96815	0.5	269.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 19:09:43	803359.1	814747.2	22.16859	113.96822	0.5	77.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 19:13:02	803358	814750.3	22.16858	113.96825	0.6	38	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 19:18:43	803363.5	814741	22.16863	113.96816	0.9	223.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 19:24:43	803359.1	814750.3	22.16859	113.96825	0.3	248.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 19:33:52	803360.2	814736.9	22.1686	113.96812	0.4	214.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 19:36:43	803358	814746.1	22.16858	113.96821	0.4	96.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 19:51:43	803360.2	814735.8	22.1686	113.96811	0.5	234.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 19:54:43	803361.3	814744.1	22.16861	113.96819	0.3	39	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 20:00:44	803359.1	814732.7	22.16859	113.96808	0.8	226.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 20:06:43	803355.8	814745.1	22.16856	113.9682	0.5	84.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 20:12:51	803360.2	814737.9	22.1686	113.96813	0.6	277	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 20:24:43	803359.1	814736.8	22.16859	113.96812	0.6	264.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 20:33:50	803355.8	814742	22.16856	113.96817	0.4	30	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 20:36:43	803359.1	814733.8	22.16859	113.96809	0.6	60.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 20:42:50	803356.9	814743	22.16857	113.96818	0.6	245	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 20:48:43	803358	814735.8	22.16858	113.96811	0.3	238.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 20:54:45	803354.6	814746.1	22.16855	113.96821	0.8	50	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 21:01:02	803352.4	814739.9	22.16853	113.96815	0.6	215	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 21:06:43	803343.6	814750.2	22.16845	113.96825	0.4	41.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 21:12:49	803338	814754.4	22.1684	113.96829	0.5	56	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 21:18:43	803342.4	814759.5	22.16844	113.96834	0.6	24.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 21:19:03	803342.4	814759.5	22.16844	113.96834	0.6	25	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 21:30:43	803339.1	814750.2	22.16841	113.96825	0.3	5.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 21:36:43	803341.3	814754.4	22.16843	113.96829	0.6	50.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 21:42:43	803339.1	814750.2	22.16841	113.96825	0.5	230.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 21:48:43	803340.2	814746.1	22.16842	113.96821	0.3	216.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 21:54:43	803340.3	814745.1	22.16842	113.9682	0.5	260.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 22:03:43	803343.6	814742	22.16845	113.96817	0.3	214.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 22:06:52	803346.9	814732.7	22.16848	113.96808	0.4	240	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 22:12:43	803341.4	814734.8	22.16843	113.9681	0.4	69.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 22:18:43	803349.1	814722.4	22.1685	113.96798	0.3	308.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 22:25:05	803342.5	814735.8	22.16844	113.96811	0.3	82	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 22:30:59	803348	814723.4	22.16849	113.96799	0.9	212.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 22:39:43	803334.7	814743	22.16837	113.96818	0.4	80.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 22:43:02	803334.7	814739.9	22.16837	113.96815	0.6	77	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 22:48:43	803333.6	814750.2	22.16836	113.96825	0.4	52.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 22:57:43	803334.7	814746.1	22.16837	113.96821	0.6	94	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 23:09:43	803335.8	814751.3	22.16838	113.96826	0.3	41.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 23:12:50	803335.8	814745.1	22.16838	113.9682	0.8	31	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 23:18:45	803334.7	814752.3	22.16837	113.96827	0.3	76	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 23:24:43	803339.2	814733.7	22.16841	113.96809	1	20.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 23:30:53	803334.7	814743	22.16837	113.96818	0.3	38	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 23:42:43	803334.7	814733.7	22.16837	113.96809	0.4	29.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 23:51:43	803338.1	814730.6	22.1684	113.96806	0.5	37.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	19-DEC-2020 23:57:43	803339.2	814729.6	22.16841	113.96805	0.3	60.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 00:00:47	803337	814727.5	22.16839	113.96803	0.7	62	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 00:07:03	803339.2	814731.7	22.16841	113.96807	0.3	4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 00:12:43	803333.6	814733.7	22.16836	113.96809	0.7	61.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 00:18:52	803339.2	814733.7	22.16841	113.96809	0.6	246	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 00:24:43	803336.9	814729.6	22.16839	113.96805	0.5	235.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 00:30:43	803342.5	814726.5	22.16844	113.96802	0.9	255.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 00:36:43	803346.9	814715.2	22.16848	113.96791	0.9	239.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 00:43:00	803341.4	814722.4	22.16843	113.96798	0.6	54	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 00:48:43	803341.4	814725.5	22.16843	113.96801	0.3	97.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 00:54:43	803344.7	814721.4	22.16846	113.96797	0.4	198.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 01:00:43	803352.5	814712.1	22.16853	113.96788	0.3	237.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 01:06:43	803352.5	814712.1	22.16853	113.96788	0.6	240.6	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 01:15:43	803336.9	814729.6	22.16839	113.96805	0.9	250	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 01:18:50	803334.7	814734.8	22.16837	113.9681	0.5	246	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 01:24:43	803333.6	814751.3	22.16836	113.96826	0.5	269.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 01:33:43	803330.3	814752.3	22.16833	113.96827	0.5	69.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 01:33:51	803330.3	814752.3	22.16833	113.96827	0.5	70	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 01:45:43	803323.6	814755.4	22.16827	113.9683	0.4	41.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 01:48:43	803321.4	814756.4	22.16825	113.96831	1	58.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 01:54:43	803320.3	814749.2	22.16824	113.96824	0.4	76.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 02:00:43	803320.3	814749.2	22.16824	113.96824	0.7	26.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 02:09:43	803315.9	814756.4	22.1682	113.96831	0.5	52.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 02:15:43	803320.3	814733.7	22.16824	113.96809	1	355.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 02:18:43	803315.9	814739.9	22.1682	113.96815	0.4	70.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 02:27:50	803314.8	814759.5	22.16819	113.96834	0.8	35.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 02:30:43	803313.7	814756.4	22.16818	113.96831	0.5	24.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 02:30:57	803313.7	814756.4	22.16818	113.96831	0.5	24	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 02:45:43	803317	814765.7	22.16821	113.9684	0.4	24.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 02:51:43	803313.7	814751.2	22.16818	113.96826	0.5	23.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 02:57:43	803314.8	814756.4	22.16819	113.96831	1	36.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 03:03:43	803312.5	814768.8	22.16817	113.96843	0.7	60.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 03:07:00	803313.6	814767.7	22.16818	113.96842	0.2	46	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 03:16:01	803315.9	814769.8	22.1682	113.96844	0.3	81	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 03:18:50	803312.5	814762.6	22.16817	113.96837	0.5	23	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 03:27:44	803320.3	814777	22.16824	113.96851	0.5	11.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 03:33:43	803333.6	814719.3	22.16836	113.96795	0.8	308.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 03:36:43	803314.8	814725.4	22.16819	113.96801	0.7	167.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 03:51:43	803303.8	814714.1	22.16809	113.9679	1.1	337.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 03:57:43	803286	814765.6	22.16793	113.9684	1.2	61.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 04:15:43	803288.2	814781.1	22.16795	113.96855	0.9	312	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 04:21:43	803294.9	814724.4	22.16801	113.968	0.8	339.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 04:27:43	803278.2	814782.1	22.16786	113.96856	0.3	20.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 04:33:43	803283.8	814751.2	22.16791	113.96826	0.5	307	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 04:39:43	803274.9	814752.2	22.16783	113.96827	0.4	154.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 04:45:43	803280.5	814739.8	22.16788	113.96815	0.6	182.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 04:52:02	803284.9	814722.3	22.16792	113.96798	0.3	344	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 05:03:43	803274.9	814766.6	22.16783	113.96841	0.5	279.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 05:09:43	803286	814721.3	22.16793	113.96797	0.8	330.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 05:15:43	803267.1	814763.5	22.16776	113.96838	1	60.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 05:21:43	803271.6	814757.4	22.1678	113.96832	0.8	287	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 05:27:43	803274.9	814735.7	22.16783	113.96811	0.4	19.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 05:33:43	803266	814755.3	22.16775	113.9683	0.7	341.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 05:39:43	803280.5	814725.4	22.16788	113.96801	0.5	345.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 05:45:44	803268.3	814739.8	22.16777	113.96815	0.6	163.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 05:54:48	803272.7	814750.1	22.16781	113.96825	0.4	292	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 06:03:43	803263.8	814746	22.16773	113.96821	1.2	172.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 06:09:43	803271.6	814770.8	22.1678	113.96845	0.4	266.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 06:15:44	803281.6	814715.1	22.16789	113.96791	0.5	325	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 06:21:43	803267.2	814727.4	22.16776	113.96803	1	67.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 06:27:43	803266	814767.7	22.16775	113.96842	0.8	286.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 06:33:44	803281.6	814709.9	22.16789	113.96786	1	353.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 06:45:43	803283.8	814714.1	22.16791	113.9679	0.3	303.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 06:51:51	803256.1	814722.3	22.16766	113.96798	1.1	187.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 06:57:44	803255	814734.6	22.16765	113.9681	0.5	291.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 07:03:44	803271.7	814697.5	22.1678	113.96774	0.8	0.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 07:09:43	803243.9	814747	22.16755	113.96822	0.7	2.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 07:15:43	803273.9	814700.6	22.16782	113.96777	0.8	6.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 07:27:43	803238.4	814732.6	22.1675	113.96808	0.9	7.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 07:30:43	803236.2	814732.6	22.16748	113.96808	0.9	74.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 07:42:43	803239.5	814751.1	22.16751	113.96826	0.6	14.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 07:51:44	803237.3	814749.1	22.16749	113.96824	0.5	74.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 07:57:43	803241.7	814724.3	22.16753	113.968	0.3	201.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 08:00:51	803237.3	814729.5	22.16749	113.96805	0.5	199	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 08:09:44	803239.5	814726.4	22.16751	113.96802	0.3	263.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 08:12:59	803239.5	814720.2	22.16751	113.96796	0.5	68.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 08:21:58	803237.3	814736.7	22.16749	113.96812	0.3	39	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 08:27:43	803238.4	814744.9	22.1675	113.9682	0.3	359.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 08:30:44	803239.5	814728.4	22.16751	113.96804	0.3	6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 08:39:43	803236.2	814746	22.16748	113.96821	0.6	30.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 08:42:43	803233.9	814747	22.16746	113.96822	0.9	49.6	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 08:51:43	803234	814741.8	22.16746	113.96817	0.7	37.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 08:57:43	803238.4	814741.8	22.1675	113.96817	0.4	64.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 09:00:55	803235.1	814746	22.16747	113.96821	0.6	16	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 09:09:51	803234	814731.5	22.16746	113.96807	0.4	82.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 09:12:43	803237.3	814722.2	22.16749	113.96798	0.6	342.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 09:24:43	803235.1	814736.7	22.16747	113.96812	0.6	45.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 09:30:43	803232.8	814742.9	22.16745	113.96818	0.4	38.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 09:39:43	803236.2	814729.5	22.16748	113.96805	0.6	216.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 09:45:43	803232.8	814741.8	22.16745	113.96817	1.1	216.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 09:51:43	803233.9	814750.1	22.16746	113.96825	0.3	206.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 10:00:43	803235.1	814731.5	22.16747	113.96807	0.3	194.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 10:06:43	803232.9	814729.5	22.16745	113.96805	1.1	222.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 10:12:43	803232.9	814723.3	22.16745	113.96799	1	232.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 10:18:43	803234	814735.6	22.16746	113.96811	0.7	66.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 10:27:43	803232.8	814737.7	22.16745	113.96813	0.8	56.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 10:33:50	803231.7	814733.6	22.16744	113.96809	0.5	67.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 10:36:54	803232.9	814723.3	22.16745	113.96799	0.5	14	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 10:45:43	803235.1	814726.4	22.16747	113.96802	0.6	271.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 10:48:43	803235.1	814718.1	22.16747	113.96794	0.8	224.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 10:55:04	803226.2	814730.5	22.16739	113.96806	0.6	57	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 11:00:43	803228.4	814724.3	22.16741	113.968	0.7	29.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 11:09:43	803229.5	814722.2	22.16742	113.96798	0.7	350.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 11:12:43	803234	814707.8	22.16746	113.96784	0.9	23	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 11:15:53	803234	814711.9	22.16746	113.96788	0.5	62	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 11:24:43	803236.2	814703.7	22.16748	113.9678	0.6	210	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 11:33:44	803232.9	814708.8	22.16745	113.96785	0.6	124.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 11:36:51	803234	814714	22.16746	113.9679	0.4	77.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 11:48:55	803232.9	814711.9	22.16745	113.96788	0.9	240	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 11:54:44	803232.9	814715	22.16745	113.96791	0.9	258.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 12:03:51	803236.2	814705.7	22.16748	113.96782	0.7	45	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 12:06:50	803230.7	814708.8	22.16743	113.96785	0.3	107.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 12:18:43	803230.7	814708.8	22.16743	113.96785	0.3	29.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 12:24:49	803229.6	814711.9	22.16742	113.96788	0.6	260.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 12:30:43	803244	814695.4	22.16755	113.96772	0.3	242.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 12:37:07	803242.9	814689.2	22.16754	113.96766	0.6	270	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 12:45:53	803251.8	814681	22.16762	113.96758	0.3	196.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 12:51:43	803248.4	814684.1	22.16759	113.96761	0.4	79.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 12:54:56	803247.3	814687.2	22.16758	113.96764	0.5	92	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 13:09:43	803249.5	814681	22.1676	113.96758	0.3	230.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 13:18:59	803265	814677.9	22.16774	113.96755	0.8	59	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 13:27:53	803276.1	814665.6	22.16784	113.96743	0.4	205.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 13:33:43	803285	814669.7	22.16792	113.96747	0.5	75.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 13:39:43	803282.8	814666.6	22.1679	113.96744	0.6	62.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 13:45:43	803283.9	814666.6	22.16791	113.96744	0.5	291	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 13:51:51	803290.5	814669.7	22.16797	113.96747	0.8	302.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 13:57:51	803286.1	814665.6	22.16793	113.96743	0.5	97.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 14:03:52	803289.4	814667.6	22.16796	113.96745	0.4	99.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 14:06:43	803285	814667.6	22.16792	113.96745	0.5	84.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 14:15:44	803278.3	814668.7	22.16786	113.96746	0.3	101.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 14:21:43	803276.1	814668.7	22.16784	113.96746	0.5	105.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 14:27:43	803283.9	814668.7	22.16791	113.96746	0.3	57.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 14:27:56	803283.9	814668.7	22.16791	113.96746	0.3	58	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 14:33:48	803273.9	814671.8	22.16782	113.96749	0.7	277	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 14:45:44	803283.9	814668.7	22.16791	113.96746	0.5	267.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 14:51:53	803279.5	814669.7	22.16787	113.96747	0.6	266.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 14:57:43	803282.8	814671.8	22.1679	113.96749	0.5	258.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 15:03:44	803282.8	814666.6	22.1679	113.96744	0.3	224.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 15:09:43	803287.2	814666.6	22.16794	113.96744	0.5	265.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 15:15:52	803280.6	814669.7	22.16788	113.96747	0.5	259.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 15:21:51	803279.5	814669.7	22.16787	113.96747	0.5	55.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 15:27:43	803288.3	814669.7	22.16795	113.96747	0.9	278.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 15:34:00	803288.3	814667.6	22.16795	113.96745	0.5	296	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 15:39:44	803302.7	814670.8	22.16808	113.96748	0.6	115.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 15:45:52	803295	814669.7	22.16801	113.96747	0.4	109.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 15:51:54	803293.8	814667.7	22.168	113.96745	0.6	91	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 15:58:00	803299.4	814670.8	22.16805	113.96748	0.7	109.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 16:03:52	803304.9	814673.9	22.1681	113.96751	0.4	89	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 16:09:43	803295	814668.7	22.16801	113.96746	0.4	122.1	ShipXY



**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 16:15:44	803295	814670.8	22.16801	113.96748	0.5	96.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 16:21:52	803287.2	814666.6	22.16794	113.96744	0.5	236.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 16:27:59	803289.4	814669.7	22.16796	113.96747	0.8	297	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 16:33:52	803278.3	814669.7	22.16786	113.96747	0.3	267.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 16:39:43	803272.8	814673.8	22.16781	113.96751	0.6	99	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 16:45:52	803270.6	814675.9	22.16779	113.96753	0.6	279.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 16:48:51	803271.7	814673.8	22.1678	113.96751	0.3	276	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 16:57:52	803280.6	814669.7	22.16788	113.96747	0.6	282	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 17:04:05	803285	814666.6	22.16792	113.96744	0.3	266	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 17:06:44	803287.2	814671.8	22.16794	113.96749	0.5	270.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 17:15:43	803277.2	814671.8	22.16785	113.96749	0.4	107.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 17:21:53	803271.7	814669.7	22.1678	113.96747	0.3	87.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 17:24:43	803285	814672.8	22.16792	113.9675	0.6	64.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 17:30:44	803279.5	814667.6	22.16787	113.96745	0.5	302.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 17:39:43	803261.7	814679	22.16771	113.96756	0.5	94.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 17:42:43	803257.3	814679	22.16767	113.96756	0.5	233.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 17:51:51	803256.2	814680	22.16766	113.96757	0.5	247.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 17:57:43	803255.1	814683.1	22.16765	113.9676	0.2	225.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 18:03:43	803250.6	814692.3	22.16761	113.96769	1.1	65.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 18:09:43	803241.8	814696.5	22.16753	113.96773	0.5	56.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 18:15:43	803241.8	814705.7	22.16753	113.96782	0.6	53.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 18:21:43	803244	814703.7	22.16755	113.9678	0.9	51.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 18:25:02	803241.8	814701.6	22.16753	113.96778	0.5	50	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 18:33:52	803245.1	814695.4	22.16756	113.96772	0.9	69.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 18:39:43	803247.3	814693.4	22.16758	113.9677	0.5	74.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 18:42:51	803241.8	814688.2	22.16753	113.96765	0.2	22.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 18:51:53	803246.2	814686.2	22.16757	113.96763	0.4	194	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 18:58:04	803246.2	814690.3	22.16757	113.96767	0.7	263	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:00:43	803247.3	814687.2	22.16758	113.96764	1	266.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:06:54	803252.9	814685.1	22.16763	113.96762	0.8	260	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:16:03	803248.4	814690.3	22.16759	113.96767	0.5	84.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:21:57	803245.1	814688.2	22.16756	113.96765	0.2	232	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:24:43	803247.3	814688.2	22.16758	113.96765	0.4	258.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:33:53	803252.9	814681	22.16763	113.96758	0.4	266.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:39:53	803249.5	814683.1	22.1676	113.9676	0.6	224.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:43:05	803249.5	814683.1	22.1676	113.9676	0.5	247	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:49:03	803250.6	814687.2	22.16761	113.96764	0.4	66	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:57:52	803254	814681	22.16764	113.96758	0.5	163.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 19:57:57	803254	814681	22.16764	113.96758	0.5	164	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 20:10:06	803247.3	814686.2	22.16758	113.96763	0.3	148	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 20:15:52	803245.1	814691.3	22.16756	113.96768	0.4	274	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 20:27:48	803235.1	814701.6	22.16747	113.96778	0.3	91	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 20:31:06	803236.2	814702.6	22.16748	113.96779	0.4	51	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 20:36:44	803236.2	814703.7	22.16748	113.9678	0.7	53.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 20:42:43	803238.4	814698.5	22.1675	113.96775	0.7	82.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 20:51:43	803241.8	814692.3	22.16753	113.96769	0.4	228	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 20:51:52	803241.8	814692.3	22.16753	113.96769	0.4	228	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 20:57:51	803241.8	814688.2	22.16753	113.96765	0.9	267.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 21:06:51	803239.6	814693.4	22.16751	113.9677	0.6	69	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 21:13:07	803242.9	814687.2	22.16754	113.96764	0.8	60	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 21:15:52	803242.9	814693.4	22.16754	113.9677	0.3	78	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 21:30:54	803246.2	814685.1	22.16757	113.96762	0.3	67	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 21:36:43	803242.9	814684.1	22.16754	113.96761	0.4	59.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 21:51:52	803246.2	814687.2	22.16757	113.96764	0.4	229.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 21:54:43	803246.2	814691.3	22.16757	113.96768	0.8	253.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 22:00:43	803248.4	814687.2	22.16759	113.96764	0.3	293.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 22:06:43	803252.9	814683.1	22.16763	113.9676	0.8	271.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 22:12:55	803251.8	814682	22.16762	113.96759	0.1	245	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 22:18:43	803246.2	814687.2	22.16757	113.96764	0.8	249.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 22:27:52	803249.5	814687.2	22.1676	113.96764	0.3	254.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 22:34:04	803249.5	814681	22.1676	113.96758	0.6	256	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 22:39:46	803245.1	814685.1	22.16756	113.96762	0.5	262	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 22:51:43	803239.5	814699.6	22.16751	113.96776	0.5	68.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 22:58:05	803239.6	814695.4	22.16751	113.96772	0.2	201	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 23:03:52	803238.4	814694.4	22.1675	113.96771	0.8	85.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 23:06:56	803237.3	814693.4	22.16749	113.9677	0.8	79	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 23:12:52	803234	814699.5	22.16746	113.96776	0.4	88.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 23:18:43	803234	814704.7	22.16746	113.96781	0.5	179.6	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 23:24:43	803231.8	814704.7	22.16744	113.96781	0.8	236.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 23:30:43	803236.2	814701.6	22.16748	113.96778	0.9	257.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 23:39:58	803234	814702.6	22.16746	113.96779	0.6	72	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 23:45:52	803232.9	814705.7	22.16745	113.96782	0.4	240.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 23:51:52	803237.3	814693.4	22.16749	113.96777	0.6	244.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	20-DEC-2020 23:54:48	803236.2	814694.4	22.16748	113.96771	0.5	278	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 00:03:55	803244	814686.2	22.16755	113.96763	0.2	190	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 00:06:52	803236.2	814695.4	22.16748	113.96772	0.5	75.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 00:15:52	803234	814701.6	22.16746	113.96778	0.7	47.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 00:18:43	803235.1	814702.6	22.16747	113.96779	0.6	54.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 00:24:44	803228.5	814714	22.16741	113.9679	0.4	100.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 00:33:53	803232.9	814708.8	22.16745	113.96785	0.7	48.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 00:39:43	803229.6	814716	22.16742	113.96792	0.5	78.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 00:42:44	803227.3	814716	22.1674	113.96792	1	71.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:30:44	803231.8	814703.7	22.16744	113.9678	0.3	43.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 00:57:47	803229.6	814707.8	22.16742	113.96784	0.8	59	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:03:52	803234	814701.6	22.16746	113.96778	0.4	116.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:06:43	803234	814703.7	22.16746	113.9678	0.4	243.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:12:43	803231.8	814705.7	22.16744	113.96782	0.5	93.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:21:44	803228.4	814718.1	22.16741	113.96794	1	31.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:24:43	803234	814703.7	22.16746	113.9678	1	225.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:30:43	803232.9	814702.6	22.16745	113.96779	0.5	45.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:39:52	803232.9	814705.7	22.16745	113.96782	0.6	237.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:43:01	803230.7	814705.7	22.16743	113.96782	0.4	78	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:48:43	803230.7	814704.7	22.16743	113.96781	0.4	324	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 01:54:43	803231.8	814698.5	22.16744	113.96775	0.6	274.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 02:00:43	803229.6	814710.9	22.16742	113.96787	0.6	64.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 02:09:43	803224	814720.2	22.16737	113.96796	0.7	256.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 02:12:43	803226.2	814715	22.16739	113.96791	0.5	207.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 02:21:53	803226.2	814716	22.16739	113.96792	0.6	54	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 02:27:52	803239.6	814695.4	22.16751	113.96772	0.9	56.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 02:33:44	803226.2	814707.8	22.16739	113.96784	0.3	49.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 02:36:44	803235.1	814700.6	22.16747	113.96777	1	218.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 02:42:43	803229.6	814707.8	22.16742	113.96784	0.5	248.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 02:51:44	803229.6	814707.8	22.16742	113.96784	1.1	248.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 02:52:01	803229.6	814707.8	22.16742	113.96784	1.1	249	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 03:00:58	803229.6	814709.9	22.16742	113.96786	0.4	90.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 03:09:52	803231.8	814698.5	22.16744	113.96775	0.9	76.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 03:15:43	803228.4	814719.1	22.16741	113.96795	0.6	46.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 03:21:43	803225.1	814725.3	22.16738	113.96801	0.5	100	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 03:27:44	803228.4	814718.1	22.16741	113.96794	0.3	251.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 03:33:43	803227.3	814732.5	22.1674	113.96808	1	58.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 03:39:44	803232.9	814709.9	22.16745	113.96786	0.8	342.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 03:42:53	803229.6	814711.9	22.16742	113.96788	0.7	221	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 03:48:43	803227.3	814740.8	22.1674	113.96816	0.8	48.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 03:57:43	803226.2	814725.3	22.16739	113.96801	0.9	209.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 04:03:44	803229.5	814724.3	22.16742	113.968	1.3	232.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 04:09:43	803228.4	814721.2	22.16741	113.96797	0.9	229.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 04:21:44	803226.2	814732.5	22.16739	113.96808	0.9	26.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 04:27:43	803221.8	814730.5	22.16735	113.96806	1	57.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 04:30:43	803224	814732.5	22.16737	113.96808	0.6	47.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 04:39:43	803222.9	814740.8	22.16736	113.96816	1	32.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 04:45:44	803224	814751.1	22.16737	113.96826	0.5	40.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 04:51:44	803224	814741.8	22.16737	113.96817	1.3	26	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 04:57:45	803228.4	814754.2	22.16741	113.96829	0.4	48.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 05:03:43	803230.6	814738.7	22.16743	113.96814	0.6	337.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 05:09:43	803222.9	814733.6	22.16736	113.96809	0.4	24.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 05:10:05	803222.9	814733.6	22.16736	113.96809	0.4	25	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 05:21:43	803227.3	814741.8	22.1674	113.96817	0.6	301.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 05:27:43	803251.7	814705.8	22.16762	113.96782	0.5	332.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 05:33:43	803224	814721.2	22.16737	113.96797	1.5	187.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 05:39:43	803225.1	814753.2	22.16738	113.96828	0.8	43.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 05:45:44	803231.7	814735.6	22.16744	113.96811	0.8	317.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 05:51:56	803248.4	814701.6	22.16759	113.96778	0.8	355.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 05:54:43	803231.8	814715	22.16744	113.96791	1.2	58.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 06:03:43	803230.6	814749.1	22.16743	113.96824	0.6	313.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 06:09:46	803253.9	814717.1	22.16764	113.96793	1	337	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 06:15:44	803238.4	814733.6	22.1675	113.96809	1.2	167.1	ShipXY



**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 06:18:43	803222.9	814738.7	22.16736	113.96814	0.5	218.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 06:27:43	803241.7	814763.5	22.16753	113.96838	0.6	330.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 06:33:43	803255	814735.7	22.16765	113.96811	0.4	314.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 06:39:44	803242.8	814722.3	22.16754	113.96798	0.8	189.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 06:45:43	803229.5	814733.6	22.16742	113.96809	1	167.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 06:51:51	803232.8	814766.6	22.16745	113.96841	0.6	45	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 06:57:44	803235.1	814732.6	22.16747	113.96808	1.1	310.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 07:03:44	803248.4	814711.9	22.16759	113.96788	0.6	345.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 07:06:43	803229.5	814722.2	22.16742	113.96798	0.9	183.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 07:15:44	803226.2	814763.5	22.16739	113.96838	1	37.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 07:21:43	803230.6	814753.2	22.16743	113.96828	1.1	337.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 07:27:43	803226.2	814754.2	22.16739	113.96829	1.2	32.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 07:34:00	803239.5	814747	22.16751	113.96822	0.4	359	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 07:39:44	803239.5	814738.7	22.16751	113.96814	1.2	23.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 07:45:55	803228.4	814732.5	22.16741	113.96808	0.4	116.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 07:48:43	803228.4	814736.7	22.16741	113.96812	0.9	49.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 07:54:43	803228.4	814728.4	22.16741	113.96804	0.9	238.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 08:03:43	803245.1	814715	22.16756	113.96791	0.7	21.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 08:09:44	803232.9	814718.1	22.16745	113.96794	0.7	79.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 08:12:49	803237.3	814717.1	22.16749	113.96793	0.6	35	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 08:22:01	803241.7	814711.9	22.16753	113.96788	0.9	66	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 08:27:55	803241.7	814718.1	22.16753	113.96794	1	33.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 08:33:44	803242.9	814706.8	22.16754	113.96783	0.8	46	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 08:39:43	803234	814709.9	22.16746	113.96786	0.6	72.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 08:42:44	803228.4	814723.3	22.16741	113.96799	0.4	71.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 08:51:44	803232.9	814710.9	22.16745	113.96787	0.4	224.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 09:03:43	803229.6	814708.8	22.16742	113.96785	0.4	276	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 09:09:44	803239.5	814697.5	22.16751	113.96774	0.3	284.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 09:15:44	803236.2	814708.8	22.16748	113.96785	0.7	75.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 09:18:43	803234	814707.8	22.16746	113.96784	0.4	106	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 09:27:44	803227.3	814718.1	22.1674	113.96794	0.7	85	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 09:33:44	803238.4	814702.6	22.1675	113.96779	0.8	42	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 09:39:43	803244	814698.5	22.16755	113.96775	0.5	261.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 09:42:44	803252.8	814688.2	22.16763	113.96765	0.9	273.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 09:54:43	803277.2	814689.3	22.16785	113.96766	0.6	76.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 10:03:43	803283.9	814679	22.16791	113.96756	0.6	279.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 10:09:54	803282.8	814675.9	22.1679	113.96753	0.5	265.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 10:15:44	803287.2	814682.1	22.16794	113.96759	0.4	109.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 10:21:43	803291.6	814682.1	22.16798	113.96759	0.5	57.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 10:27:53	803287.2	814678	22.16794	113.96755	0.6	92.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 10:33:44	803287.2	814679	22.16794	113.96756	0.8	287.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 10:45:54	803291.6	814679	22.16798	113.96756	0.9	301.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 10:51:43	803290.5	814681.1	22.16797	113.96758	0.6	295.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 10:51:54	803290.5	814681.1	22.16797	113.96758	0.6	296	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 11:03:43	803296	814679	22.16802	113.96756	0.7	271.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 11:09:43	803289.4	814671.8	22.16796	113.96749	0.5	278.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 11:15:53	803288.3	814674.9	22.16795	113.96752	0.2	136.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 11:21:53	803292.7	814675.9	22.16799	113.96753	0.6	109.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 11:27:43	803289.4	814674.9	22.16796	113.96752	0.6	117.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 11:33:44	803291.6	814676.9	22.16798	113.96754	0.5	223.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 11:43:01	803293.8	814673.8	22.168	113.96751	0.9	91	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 11:51:53	803296	814679	22.16802	113.96756	0.6	81	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 11:57:53	803294.9	814676.9	22.16801	113.96754	0.4	106.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 12:03:43	803297.2	814674.9	22.16803	113.96752	0.3	109.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 12:09:53	803293.8	814675.9	22.168	113.96753	0.4	79	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 12:15:53	803292.7	814676.9	22.16799	113.96754	0.3	259.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 12:18:44	803296.1	814674.9	22.16802	113.96752	0.7	289.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 12:27:55	803300.5	814681.1	22.16806	113.96758	0.6	106.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 12:33:43	803298.3	814675.9	22.16804	113.96753	0.6	318	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 12:39:43	803299.4	814674.9	22.16805	113.96752	0.6	291.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 12:45:43	803301.6	814675.9	22.16807	113.96753	0.5	286.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 12:51:53	803300.5	814672.8	22.16806	113.9675	1	288.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 12:57:54	803299.4	814674.9	22.16805	113.96752	0.5	291.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 13:03:43	803299.4	814673.9	22.16805	113.96751	0.9	93.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 13:09:43	803294.9	814676.9	22.16801	113.96754	0.4	96.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 13:15:43	803297.2	814673.8	22.16803	113.96751	0.6	293.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 13:21:43	803294.9	814673.8	22.16801	113.96751	0.4	259.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 13:27:43	803292.7	814672.8	22.16799	113.9675	0.5	299.3	ShipXY

**HAI YANG SHI YOU 698 (Crane Barge)**  
**Historical Data Records (11-21DEC2020)**

Vessel Name	Type of vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 13:33:44	803291.6	814670.7	22.16798	113.96748	0.5	270	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 13:39:54	803291.6	814667.7	22.16798	113.96745	0.6	353.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 13:45:43	803290.5	814669.7	22.16797	113.96747	0.3	308.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 13:51:54	803293.8	814674.9	22.168	113.96752	0.6	18.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 14:03:53	803294.9	814676.9	22.16801	113.96754	0.6	110.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 14:09:54	803299.4	814671.8	22.16805	113.96749	0.3	93.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 14:12:44	803298.3	814670.8	22.16804	113.96748	0.4	273	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 14:21:44	803296.1	814674.9	22.16802	113.96752	0.7	276.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 14:27:44	803291.6	814671.8	22.16798	113.96749	0.9	118.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 14:33:53	803300.5	814670.8	22.16806	113.96748	0.4	278.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 14:39:44	803291.6	814672.8	22.16798	113.9675	0.5	92.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 14:45:55	803297.2	814673.8	22.16803	113.96751	0.9	113.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 14:51:53	803292.7	814672.8	22.16799	113.9675	0.7	289.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 14:57:44	803292.7	814674.9	22.16799	113.96752	0.3	308.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 15:03:53	803296.1	814673.8	22.16802	113.96751	0.2	179.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 15:09:55	803291.6	814672.8	22.16798	113.9675	0.6	93.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 15:12:43	803298.3	814675.9	22.16804	113.96753	0.5	85.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 15:21:53	803294.9	814672.8	22.16801	113.9675	0.4	296.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 15:27:43	803298.3	814674.9	22.16804	113.96752	0.3	90.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 15:33:55	803298.3	814675.9	22.16804	113.96753	0.8	301.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 15:39:55	803299.4	814672.8	22.16805	113.9675	0.5	297.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 15:43:03	803298.3	814673.9	22.16804	113.96751	0.4	297	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 15:51:53	803297.2	814670.8	22.16803	113.96748	0.3	259.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 15:57:43	803300.5	814669.7	22.16806	113.96747	0.3	49.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 16:03:43	803292.7	814699.6	22.16799	113.96776	0.6	90.7	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 16:11:29	803552.9	814720.6	22.17034	113.96796	4.8	346.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 16:17:48	803346.9	813939.6	22.16847	113.96039	7.8	255.4	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 16:23:40	802470.7	813363.8	22.16055	113.95482	6.4	135	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 16:29:47	801951.8	813828.2	22.15587	113.95933	0.8	298.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 16:35:18	801801.5	813675.4	22.15451	113.95785	0.4	235.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 16:39:48	801845.6	813768.3	22.15491	113.95875	0.6	47.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 16:45:57	801902.9	813942.7	22.15543	113.96044	2.1	37	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 16:46:00	801902.9	813942.7	22.15543	113.96044	2.1	37	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 16:54:47	801938.2	814092.3	22.15575	113.96189	0.3	82.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 17:00:47	801941.5	814119.1	22.15578	113.96215	0.3	83.5	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 17:15:47	801943.7	814119.1	22.1558	113.96215	0.4	58.2	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 17:33:48	801942.6	814119.1	22.15579	113.96215	0.5	78.1	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 17:36:47	801942.6	814119.1	22.15579	113.96215	0.3	78.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 17:57:48	801941.5	814118.1	22.15578	113.96214	0.2	131.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 18:00:47	801942.6	814118.1	22.15579	113.96214	0.4	68.9	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 18:18:47	801942.6	814118.1	22.15579	113.96214	0.4	81.3	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 18:19:12	801942.6	814118.1	22.15579	113.96214	0.4	81	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 18:30:59	801940.3	814121.2	22.15577	113.96217	0.1	103	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 18:36:57	801940.3	814118.1	22.15577	113.96214	0.2	83.6	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 18:48:47	801948.1	814126.3	22.15584	113.96222	0.2	93.8	ShipXY
HAI YANG SHI YOU 698	Crane barge	21-DEC-2020 18:49:07	801948.1	814126.3	22.15584	113.96222	0.2	94	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	11-DEC-2020 00:02:29	801888.1	814246.9	22.1553	113.96339	0	163.4	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 00:20:29	801925.8	814197.5	22.15564	113.96291	0.1	303.1	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 00:35:29	801917	814202.6	22.15556	113.96296	0.1	349.7	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 00:50:36	801922.5	814201.6	22.15561	113.96295	0.1	349.2	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 01:08:29	801918.1	814211.9	22.15557	113.96305	0.1	342.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 01:29:30	801919.2	814205.7	22.15558	113.96299	0	349.4	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 01:44:29	801922.5	814202.6	22.15561	113.96296	0.1	349.4	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 01:59:29	801918.1	814201.6	22.15557	113.96295	0.1	358.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 02:02:36	801919.2	814203.6	22.15558	113.96297	0	358.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 02:14:30	801920.3	814200.6	22.15559	113.96294	0.1	12.9	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 02:20:44	801928	814207.8	22.15566	113.96301	0.1	4.5	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 02:29:29	801921.4	814202.6	22.1556	113.96296	0.1	345.8	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 02:44:29	801923.6	814208.8	22.15562	113.96302	0	355	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 02:50:42	801920.3	814204.7	22.15559	113.96298	0.1	339.9	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 03:02:29	801913.6	814215	22.15553	113.96308	0.1	339.9	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 03:17:29	801917	814218.1	22.15556	113.96311	0.1	359.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 03:29:31	801920.3	814208.8	22.15559	113.96302	0.1	40.9	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 03:44:29	801882.6	814225.3	22.15525	113.96318	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 03:56:30	801872.7	814221.1	22.15516	113.96314	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 04:02:36	801871.5	814234.5	22.15515	113.96327	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 04:14:37	801877.1	814219.1	22.1552	113.96312	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 04:29:30	801878.2	814228.3	22.15521	113.96321	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 04:44:29	801877.1	814223.2	22.1552	113.96316	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 04:52:32	801877.1	814224.2	22.1552	113.96317	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 05:02:29	801872.7	814217	22.15516	113.9631	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 05:17:29	801879.3	814222.2	22.15522	113.96315	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 05:26:36	801869.3	814222.1	22.15513	113.96315	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 05:32:30	801873.8	814219.1	22.15517	113.96312	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 05:47:29	801873.8	814223.2	22.15517	113.96316	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 06:02:29	801873.8	814221.1	22.15517	113.96314	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 06:02:36	801873.8	814220.1	22.15517	113.96313	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 06:14:30	801879.3	814222.2	22.15522	113.96315	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 06:14:36	801879.3	814220.1	22.15522	113.96313	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 06:29:29	801881.5	814224.2	22.15524	113.96317	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 06:29:36	801880.4	814224.2	22.15523	113.96317	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 06:44:29	801887	814225.3	22.15529	113.96318	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 06:59:29	801879.3	814224.2	22.15522	113.96317	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 07:11:30	801872.7	814221.1	22.15516	113.96314	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 07:14:37	801873.8	814211.8	22.15517	113.96305	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 07:26:30	801879.3	814214.9	22.15522	113.96308	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 07:26:36	801879.3	814213.9	22.15522	113.96307	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 07:38:30	801881.5	814221.1	22.15524	113.96314	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 07:40:33	801879.3	814213.9	22.15522	113.96307	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 07:56:29	801876	814230.4	22.15519	113.96323	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 08:08:30	801869.3	814213.9	22.15513	113.96307	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 08:23:30	801873.8	814213.9	22.15517	113.96307	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 08:26:37	801868.2	814214.9	22.15512	113.96308	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 08:41:30	801874.9	814220.1	22.15518	113.96313	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 08:44:30	801868.2	814212.9	22.15512	113.96306	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 08:53:29	801870.4	814218	22.15514	113.96311	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 08:56:29	801868.2	814209.8	22.15512	113.96303	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 09:05:30	801871.6	814212.9	22.15515	113.96306	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 09:08:37	801876	814217	22.15519	113.9631	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 09:20:29	801876	814217	22.15519	113.9631	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 09:29:30	801876	814225.3	22.15519	113.96318	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 09:35:30	801871.5	814223.2	22.15515	113.96316	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 09:41:29	801873.8	814225.2	22.15517	113.96318	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 09:44:30	801874.9	814221.1	22.15518	113.96314	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 09:53:29	801871.6	814218	22.15515	113.96311	0	226.3	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	11-DEC-2020 10:05:30	801878.2	814222.2	22.15521	113.96315	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 10:08:37	801876	814220.1	22.15519	113.96313	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 10:20:30	801878.2	814222.2	22.15521	113.96315	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 10:26:37	801874.9	814221.1	22.15518	113.96314	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 10:35:30	801880.4	814221.1	22.15523	113.96314	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 10:35:37	801880.4	814221.1	22.15523	113.96314	0.1	226	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 10:50:30	801880.4	814218	22.15523	113.96311	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 11:05:30	801880.4	814218	22.15523	113.96311	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 11:05:40	801880.4	814218	22.15523	113.96311	0	226	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 11:17:30	801883.7	814220.1	22.15526	113.96313	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 11:23:39	801873.8	814209.8	22.15517	113.96303	0	226	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 11:32:30	801881.5	814222.2	22.15524	113.96315	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 11:35:47	801879.3	814223.2	22.15522	113.96316	0	226	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 11:44:30	801879.3	814225.3	22.15522	113.96318	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 11:44:47	801879.3	814225.3	22.15522	113.96318	0.1	226	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 11:59:30	801879.3	814220.1	22.15522	113.96313	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 12:14:29	801882.6	814222.2	22.15525	113.96315	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 12:29:29	801872.7	814225.2	22.15516	113.96318	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 12:41:30	801874.9	814223.2	22.15518	113.96316	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 12:56:29	801864.9	814225.2	22.15509	113.96318	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 13:02:37	801874.9	814211.8	22.15518	113.96305	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 13:14:29	801876	814223.2	22.15519	113.96316	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 13:14:37	801874.9	814222.2	22.15518	113.96315	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 13:27:45	801888.2	814226.3	22.15553	113.96319	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 13:41:29	801878.2	814220.1	22.15521	113.96313	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 13:56:29	801883.7	814227.3	22.15526	113.9632	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 14:02:38	801881.5	814226.3	22.15524	113.96319	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 14:11:29	801885.9	814220.1	22.15528	113.96313	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 14:17:37	801877.1	814214.9	22.1552	113.96308	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 14:20:38	801882.6	814207.7	22.15525	113.96301	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 14:26:29	801879.3	814214.9	22.15522	113.96308	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 14:26:37	801879.3	814214.9	22.15522	113.96308	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 14:38:37	801879.3	814214.9	22.15522	113.96308	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 14:53:29	801881.5	814226.3	22.15524	113.96319	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 15:08:30	801881.5	814222.2	22.15524	113.96315	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 15:29:29	801876	814224.2	22.15519	113.96317	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 15:29:37	801874.9	814224.2	22.15518	113.96317	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 15:47:30	801873.8	814217	22.15517	113.9631	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 15:50:37	801879.3	814222.2	22.15522	113.96315	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 16:11:29	801881.5	814225.3	22.15524	113.96318	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 16:14:37	801873.8	814220.1	22.15517	113.96313	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 16:26:38	801880.4	814225.3	22.15523	113.96318	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 16:44:30	801874.9	814221.1	22.15518	113.96314	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 16:53:38	801874.9	814225.2	22.15518	113.96318	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 16:59:29	801879.3	814231.4	22.15522	113.96324	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 17:11:30	801881.5	814227.3	22.15524	113.9632	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 17:16:34	801880.4	814225.3	22.15523	113.96318	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 17:26:29	801883.7	814234.5	22.15526	113.96327	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 17:26:37	801882.6	814234.5	22.15525	113.96327	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 17:41:29	801884.8	814228.4	22.15527	113.96321	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 17:50:37	801884.8	814219.1	22.15527	113.96312	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 18:02:37	801877.1	814222.2	22.1552	113.96315	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 18:23:29	801882.6	814223.2	22.15525	113.96316	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 18:26:37	801879.3	814224.2	22.15522	113.96317	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 18:47:29	801874.9	814228.3	22.15518	113.96321	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 18:50:37	801886	814214.9	22.15528	113.96308	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 19:02:38	801888.2	814219.1	22.1553	113.96312	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 19:17:29	801878.2	814222.2	22.15521	113.96315	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 19:35:29	801874.9	814220.1	22.15518	113.96313	0	226.3	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	11-DEC-2020 19:47:30	801878.2	814222.2	22.15521	113.96315	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 19:50:37	801879.3	814222.2	22.15522	113.96315	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 20:02:38	801874.9	814224.2	22.15518	113.96317	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 20:14:37	801871.5	814224.2	22.15515	113.96317	0.1	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 20:29:30	801869.3	814226.3	22.15513	113.96319	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 20:38:37	801869.3	814224.2	22.15513	113.96317	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 20:50:37	801873.8	814222.2	22.15517	113.96315	0	226.3	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 21:11:29	801866	814228.3	22.1551	113.96321	0	165.7	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 21:28:34	801860.5	814230.4	22.15505	113.96323	0	165.7	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 21:38:37	801863.8	814230.4	22.15508	113.96323	0.1	165.7	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 21:50:37	801858.2	814230.4	22.15503	113.96323	0.1	165.7	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 22:02:37	801866	814237.6	22.1551	113.9633	0	165.7	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 22:17:29	801864.9	814230.4	22.15509	113.96323	0	165.7	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 22:26:38	801868.2	814225.2	22.15512	113.96318	0	165.7	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 22:59:29	801863.8	814231.4	22.15508	113.96324	0	165.7	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 23:02:38	801858.3	814225.2	22.15503	113.96318	0.1	165.7	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 23:14:38	801874.9	814222.2	22.15518	113.96315	0.1	309.4	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 23:29:44	801877.1	814223.2	22.1552	113.96316	0	309.4	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 23:44:38	801876	814226.3	22.15519	113.96319	0	309.4	ShipXY
LAN JIANG	Crane Barge	11-DEC-2020 23:59:29	801864.9	814225.2	22.15509	113.96318	0.1	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 00:08:38	801876	814221.1	22.15519	113.96314	0.1	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 00:17:30	801868.2	814231.4	22.15512	113.96324	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 00:32:30	801876	814209.8	22.15519	113.96303	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 00:41:38	801874.9	814221.1	22.15518	113.96314	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 00:50:38	801874.9	814213.9	22.15518	113.96307	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 01:05:38	801874.9	814222.2	22.15518	113.96315	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 01:20:39	801878.2	814223.2	22.15521	113.96316	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 01:29:39	801871.5	814222.1	22.15515	113.96315	0.1	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 01:32:39	801878.2	814221.1	22.15521	113.96314	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 01:41:39	801874.9	814220.1	22.15518	113.96313	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 01:47:30	801872.7	814218	22.15516	113.96311	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 02:02:30	801870.4	814225.2	22.15514	113.96318	0.1	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 02:20:29	801869.3	814219.1	22.15513	113.96312	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 02:26:39	801869.4	814208.7	22.15513	113.96302	0	309.4	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 02:35:31	801848.3	814234.5	22.15494	113.96327	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 02:47:39	801851.6	814231.4	22.15497	113.96324	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 03:02:30	801860.5	814231.4	22.15505	113.96324	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 03:17:47	801869.3	814229.4	22.15513	113.96322	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 03:32:29	801895.9	814217	22.15537	113.9631	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 03:44:30	801874.9	814221.1	22.15518	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 03:59:29	801876	814222.2	22.15519	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 04:11:39	801871.5	814222.1	22.15515	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 04:17:39	801882.6	814226.3	22.15525	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 04:29:30	801871.5	814227.3	22.15515	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 04:41:39	801872.7	814223.2	22.15516	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 04:44:29	801879.3	814227.3	22.15522	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 04:53:39	801873.8	814218	22.15517	113.96311	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 04:59:39	801874.9	814224.2	22.15518	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 05:05:39	801871.5	814222.1	22.15515	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 05:11:30	801871.6	814216	22.15515	113.96309	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 05:23:39	801873.8	814226.3	22.15517	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 05:29:39	801878.2	814220.1	22.15521	113.96313	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 05:41:29	801877.1	814224.2	22.1552	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 05:53:30	801872.7	814220.1	22.15516	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 05:59:38	801874.9	814224.2	22.15518	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 06:08:30	801874.9	814231.4	22.15518	113.96324	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 06:17:39	801877.1	814218	22.1552	113.96311	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 06:20:30	801883.7	814231.5	22.15526	113.96324	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 06:35:30	801877.1	814220.1	22.1552	113.96313	0	161.1	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	12-DEC-2020 06:41:39	801874.9	814227.3	22.15518	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 06:53:40	801879.3	814225.3	22.15522	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 07:05:30	801877.1	814225.3	22.1552	113.96318	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 07:20:30	801870.4	814218	22.15514	113.96311	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 07:29:30	801869.3	814224.2	22.15513	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 07:32:29	801872.7	814221.1	22.15516	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 07:41:30	801867.1	814221.1	22.15511	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 07:47:30	801863.8	814227.3	22.15508	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 07:53:40	801866	814216	22.1551	113.96309	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 08:02:29	801869.3	814225.2	22.15513	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 08:14:30	801873.8	814225.2	22.15517	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 08:29:30	801873.8	814223.2	22.15517	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 08:41:30	801867.1	814230.4	22.15511	113.96323	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 08:56:32	801872.7	814224.2	22.15516	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 09:11:30	801874.9	814223.2	22.15518	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 09:26:30	801872.7	814222.2	22.15516	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 09:41:30	801872.7	814224.2	22.15516	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 09:56:31	801877.1	814222.2	22.1552	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 10:11:30	801874.9	814225.2	22.15518	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 10:26:30	801872.6	814226.3	22.15516	113.96319	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 10:41:30	801883.7	814227.3	22.15526	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 10:56:31	801863.8	814225.2	22.15508	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 11:11:30	801873.8	814226.3	22.15517	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 11:20:39	801873.8	814221.1	22.15517	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 11:26:29	801872.6	814226.3	22.15516	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 11:38:30	801870.4	814229.4	22.15514	113.96322	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 11:53:30	801877.1	814235.6	22.1552	113.96328	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 12:08:30	801873.8	814221.1	22.15517	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 12:23:30	801867.1	814227.3	22.15511	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 12:35:30	801871.5	814226.3	22.15515	113.96319	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 12:50:30	801869.3	814227.3	22.15513	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 13:05:31	801876	814218	22.15519	113.96311	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 13:20:30	801881.5	814222.2	22.15524	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 13:29:40	801876	814226.3	22.15519	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 13:38:30	801873.8	814225.2	22.15517	113.96318	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 13:56:29	801876	814220.1	22.15519	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 14:08:30	801872.7	814223.2	22.15516	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 14:20:31	801882.6	814217	22.15525	113.9631	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 14:23:40	801879.3	814219.1	22.15522	113.96312	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 14:32:48	801881.5	814226.3	22.15524	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 14:47:29	801876	814226.3	22.15519	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 14:47:50	801876	814226.3	22.15519	113.96319	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 15:02:58	801878.2	814229.4	22.15521	113.96322	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 15:17:30	801878.2	814225.3	22.15521	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 15:17:47	801878.2	814225.3	22.15521	113.96318	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 15:32:30	801873.8	814223.2	22.15517	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 15:32:48	801873.8	814223.2	22.15517	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 15:47:31	801877.1	814220.1	22.1552	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 15:50:41	801874.9	814223.2	22.15518	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 16:02:30	801874.9	814220.1	22.15518	113.96313	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 16:05:46	801882.6	814220.1	22.15525	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 16:11:53	801869.3	814223.2	22.15513	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 16:20:30	801880.4	814224.2	22.15523	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 16:23:44	801878.2	814223.2	22.15521	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 16:35:34	801876	814220.1	22.15519	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 16:41:48	801876	814219.1	22.15519	113.96312	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 16:50:30	801881.5	814223.2	22.15524	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 16:56:48	801876	814226.3	22.15519	113.96319	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 17:08:35	801882.6	814221.1	22.15525	113.96314	0	161.1	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	12-DEC-2020 17:23:30	801878.2	814222.2	22.15521	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 17:29:46	801879.3	814223.2	22.15522	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 17:38:44	801880.4	814223.2	22.15523	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 17:47:46	801881.5	814223.2	22.15524	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 17:56:46	801877.1	814233.5	22.1552	113.96326	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 18:08:30	801877.1	814229.4	22.1552	113.96322	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 18:14:48	801880.4	814225.3	22.15523	113.96318	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 18:26:39	801876	814230.4	22.15519	113.96323	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 18:41:30	801883.7	814222.2	22.15526	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 18:41:38	801883.7	814222.2	22.15526	113.96315	0.1	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 18:56:29	801882.6	814211.9	22.15525	113.96305	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 19:11:30	801873.8	814223.2	22.15517	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 19:29:40	801874.9	814219.1	22.15518	113.96312	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 19:38:31	801872.7	814222.2	22.15516	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 19:41:44	801876	814220.1	22.15519	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 19:53:29	801878.2	814219.1	22.15521	113.96312	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 19:53:46	801878.2	814219.1	22.15521	113.96312	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 20:05:30	801876	814219.1	22.15519	113.96312	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 20:14:43	801872.7	814219.1	22.15516	113.96312	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 20:20:31	801871.5	814221.1	22.15515	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 20:29:54	801870.4	814229.4	22.15514	113.96322	0.1	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 20:38:30	801873.8	814230.4	22.15517	113.96323	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 20:53:40	801870.4	814223.2	22.15514	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 21:05:30	801876	814220.1	22.15519	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 21:05:53	801876	814220.1	22.15519	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 21:23:29	801877.1	814222.2	22.1552	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 21:23:44	801877.1	814222.2	22.1552	113.96315	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 21:29:40	801878.2	814228.3	22.15521	113.96321	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 21:44:30	801874.9	814225.2	22.15518	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 22:05:40	801878.2	814222.2	22.15521	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 22:05:49	801878.2	814222.2	22.15521	113.96315	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 22:29:29	801874.9	814224.2	22.15518	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 22:38:48	801879.3	814218	22.15522	113.96311	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 22:44:52	801871.6	814220.1	22.15515	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 22:50:47	801876	814224.2	22.15519	113.96317	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 23:05:30	801870.4	814227.3	22.15514	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 23:08:48	801873.8	814223.2	22.15517	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 23:14:59	801873.8	814226.3	22.15517	113.96319	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 23:26:49	801874.9	814221.1	22.15518	113.96314	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 23:32:54	801873.8	814225.2	22.15517	113.96318	0	161	ShipXY
LAN JIANG	Crane Barge	12-DEC-2020 23:50:52	801871.6	814220.1	22.15515	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 00:05:54	801877.1	814223.2	22.1552	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 00:17:40	801874.9	814226.3	22.15518	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 00:23:29	801872.7	814223.2	22.15516	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 00:35:40	801872.6	814226.3	22.15516	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 00:50:46	801874.9	814218	22.15518	113.96311	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 00:59:41	801874.9	814223.2	22.15518	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 01:11:41	801877.1	814221.1	22.1552	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 01:17:41	801877.1	814218	22.1552	113.96311	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 01:23:41	801872.7	814225.2	22.15516	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 01:29:45	801876	814217	22.15519	113.9631	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 01:35:52	801868.2	814223.2	22.15512	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 01:36:57	801876	814224.2	22.15519	113.96317	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 01:47:55	801870.4	814220.1	22.15514	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 01:59:29	801871.6	814220.1	22.15515	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 02:05:42	801879.3	814222.2	22.15522	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 02:11:40	801879.3	814220.1	22.15522	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 02:14:30	801869.3	814221.1	22.15513	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 02:29:40	801869.3	814220.1	22.15513	113.96313	0	161.1	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	13-DEC-2020 02:35:41	801870.4	814228.3	22.15514	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 02:41:41	801873.8	814224.2	22.15517	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 02:47:41	801872.6	814229.4	22.15516	113.96322	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 02:53:41	801872.6	814228.3	22.15516	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 02:56:29	801874.9	814231.4	22.15518	113.96324	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 03:05:41	801876	814226.3	22.15519	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 03:08:44	801874.9	814228.3	22.15518	113.96321	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 03:14:30	801876	814230.4	22.15519	113.96323	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 03:23:41	801878.2	814230.4	22.15521	113.96323	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 03:35:41	801876	814233.5	22.15519	113.96326	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 03:41:41	801871.5	814225.2	22.15515	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 03:47:42	801871.5	814228.3	22.15515	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 03:53:41	801873.8	814224.2	22.15517	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 03:56:41	801869.3	814222.1	22.15513	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 04:05:41	801878.2	814228.3	22.15521	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 04:11:41	801871.5	814226.3	22.15515	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 04:20:30	801874.9	814223.2	22.15518	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 04:32:45	801873.8	814227.3	22.15517	113.9632	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 04:38:30	801872.7	814225.2	22.15516	113.96318	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 04:47:43	801870.4	814220.1	22.15514	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 04:56:30	801876	814224.2	22.15519	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 05:05:41	801869.3	814227.3	22.15513	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 05:14:30	801873.8	814222.2	22.15517	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 05:23:39	801877.1	814223.2	22.1552	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 05:35:41	801877.1	814221.1	22.1552	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 05:50:30	801873.8	814217	22.15517	113.9631	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 05:56:45	801871.5	814229.4	22.15515	113.96322	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 06:08:30	801873.8	814227.3	22.15517	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 06:11:45	801877.1	814219.1	22.1552	113.96312	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 06:26:30	801876	814224.2	22.15519	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 06:29:52	801879.3	814227.3	22.15522	113.9632	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 06:39:02	801877.1	814223.2	22.1552	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 06:47:44	801874.9	814222.2	22.15518	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 06:50:47	801878.2	814223.2	22.15521	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 07:02:30	801877.1	814227.3	22.1552	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 07:20:30	801892.6	814222.2	22.15534	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 07:20:52	801892.6	814222.2	22.15534	113.96315	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 07:35:30	801868.2	814226.3	22.15512	113.96319	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 07:38:52	801872.7	814221.1	22.15516	113.96314	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 07:53:30	801873.8	814224.2	22.15517	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 08:05:31	801871.5	814227.3	22.15515	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 08:05:53	801871.5	814227.3	22.15515	113.9632	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 08:23:30	801872.6	814229.4	22.15516	113.96322	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 08:29:41	801870.4	814226.3	22.15514	113.96319	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 08:29:44	801870.4	814226.3	22.15514	113.96319	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 08:41:29	801871.6	814220.1	22.15515	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 08:47:47	801871.5	814223.2	22.15515	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 08:53:46	801879.3	814216	22.15522	113.96309	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 09:08:31	801870.4	814223.2	22.15514	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 09:14:53	801877.1	814220.1	22.1552	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 09:23:29	801881.5	814222.2	22.15524	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 09:29:45	801876	814220.1	22.15519	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 09:35:30	801870.4	814226.3	22.15514	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 09:41:47	801874.9	814225.2	22.15518	113.96318	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 09:50:30	801872.7	814222.2	22.15516	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 09:53:45	801883.7	814225.3	22.15526	113.96318	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 10:05:30	801878.2	814224.2	22.15521	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 10:08:49	801881.5	814223.2	22.15524	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 10:20:30	801878.2	814224.2	22.15521	113.96317	0	161.1	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	13-DEC-2020 10:29:41	801883.7	814225.3	22.15526	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 10:35:30	801879.3	814218	22.15522	113.96311	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 10:41:46	801882.6	814223.2	22.15525	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 10:47:30	801880.4	814221.1	22.15523	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 10:53:42	801879.3	814218	22.15522	113.96311	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 10:53:56	801879.3	814218	22.15522	113.96311	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 11:05:42	801881.5	814222.2	22.15524	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 11:08:40	801888.2	814221.1	22.1553	113.96314	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 11:14:30	801881.5	814216	22.15524	113.96309	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 11:17:54	801882.6	814220.1	22.15525	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 11:29:30	801879.3	814212.9	22.15522	113.96306	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 11:32:48	801887	814226.3	22.15529	113.96319	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 11:41:31	801879.3	814222.2	22.15522	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 11:41:41	801879.3	814222.2	22.15522	113.96315	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 11:56:30	801878.2	814225.3	22.15521	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 12:05:45	801881.5	814222.2	22.15524	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 12:11:30	801879.3	814231.4	22.15522	113.96324	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 12:20:56	801874.9	814224.2	22.15518	113.96317	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 12:29:41	801872.7	814221.1	22.15516	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 12:41:29	801874.9	814219.1	22.15518	113.96312	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 12:53:30	801877.1	814220.1	22.1552	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 12:53:41	801877.1	814220.1	22.1552	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 13:05:42	801873.8	814224.2	22.15517	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 13:08:30	801871.5	814228.3	22.15515	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 13:23:30	801871.5	814227.3	22.15515	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 13:38:30	801871.5	814226.3	22.15515	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 13:44:38	801879.3	814226.3	22.15522	113.96319	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 13:53:30	801872.7	814220.1	22.15516	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 13:56:46	801877.1	814224.2	22.1552	113.96317	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 13:59:57	801876	814229.4	22.15519	113.96322	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 14:08:30	801877.1	814214.9	22.1552	113.96308	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 14:23:29	801876	814227.3	22.15519	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 14:38:40	801876	814223.2	22.15519	113.96316	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 14:47:57	801878.2	814216	22.15521	113.96309	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 14:56:30	801882.6	814217	22.15525	113.9631	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 14:59:35	801874.9	814219.1	22.15518	113.96312	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 15:11:30	801880.4	814223.2	22.15523	113.96316	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 15:20:47	801873.8	814221.1	22.15517	113.96314	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 15:26:30	801874.9	814222.2	22.15518	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 15:41:30	801878.2	814222.2	22.15521	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 15:50:53	801876	814219.1	22.15519	113.96312	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 15:56:30	801877.1	814220.1	22.1552	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 16:11:42	801872.7	814222.2	22.15516	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 16:17:40	801880.4	814227.3	22.15523	113.9632	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 16:26:30	801867.1	814219	22.15511	113.96312	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 16:26:56	801867.1	814219	22.15511	113.96312	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 16:38:31	801874.9	814222.2	22.15518	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 16:38:47	801874.9	814222.2	22.15518	113.96315	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 16:53:30	801878.2	814225.3	22.15521	113.96318	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 16:56:47	801873.8	814228.3	22.15517	113.96321	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 17:08:30	801880.4	814223.2	22.15523	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 17:11:52	801879.3	814223.2	22.15522	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 17:23:31	801882.6	814224.2	22.15525	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 17:38:31	801883.7	814225.3	22.15526	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 17:44:52	801880.4	814222.2	22.15523	113.96315	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 17:53:30	801874.9	814230.4	22.15518	113.96323	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 17:59:42	801882.6	814225.3	22.15525	113.96318	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 18:08:30	801878.2	814223.2	22.15521	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 18:09:06	801878.2	814223.2	22.15521	113.96316	0	161	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	13-DEC-2020 18:20:35	801882.6	814241.8	22.15525	113.96334	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 18:26:42	801880.4	814227.3	22.15523	113.9632	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 18:41:30	801873.8	814225.2	22.15517	113.96318	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 18:41:35	801873.8	814225.2	22.15517	113.96318	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 18:44:40	801900.3	814240.8	22.15541	113.96333	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 18:56:30	801886	814213.9	22.15528	113.96307	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 18:56:47	801886	814213.9	22.15528	113.96307	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 19:11:31	801880.4	814223.2	22.15523	113.96316	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 19:14:33	801872.7	814222.2	22.15516	113.96315	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 19:26:30	801873.8	814221.1	22.15517	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 19:26:40	801873.8	814221.1	22.15517	113.96314	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 19:41:30	801880.4	814209.8	22.15523	113.96303	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 19:41:55	801880.4	814209.8	22.15523	113.96303	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 19:56:30	801871.6	814214.9	22.15515	113.96308	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 20:11:29	801876	814221.1	22.15519	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 20:23:30	801868.2	814222.1	22.15512	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 20:26:47	801871.5	814230.4	22.15515	113.96323	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 20:38:30	801872.7	814221.1	22.15516	113.96314	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 20:50:56	801874.9	814234.5	22.15518	113.96327	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 20:56:42	801877.1	814232.5	22.1552	113.96325	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 21:02:44	801873.8	814227.3	22.15517	113.9632	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 21:08:30	801869.3	814228.3	22.15513	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 21:23:29	801879.3	814227.3	22.15522	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 21:35:30	801874.9	814230.4	22.15518	113.96323	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 21:50:30	801881.5	814228.4	22.15524	113.96321	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 21:53:57	801887	814235.6	22.15529	113.96328	0.1	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 22:05:30	801879.3	814228.3	22.15522	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 22:08:29	801878.2	814227.3	22.15521	113.9632	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 22:20:31	801877.1	814227.3	22.1552	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 22:35:30	801881.5	814228.4	22.15524	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 22:38:47	801879.3	814225.3	22.15522	113.96318	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 22:50:30	801877.1	814225.3	22.1552	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 23:05:30	801882.6	814225.3	22.15525	113.96318	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 23:08:55	801876	814225.3	22.15519	113.96318	0	161	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 23:23:42	801873.8	814222.2	22.15517	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 23:35:30	801887.1	814221.1	22.15529	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 23:41:42	801872.7	814221.1	22.15516	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 23:50:30	801872.7	814224.2	22.15516	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	13-DEC-2020 23:53:46	801869.3	814221.1	22.15513	113.96314	0.1	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 00:00:00	801871.5	814222.1	22.15515	113.96315	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 00:11:42	801874.9	814225.2	22.15518	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 00:23:45	801877.1	814222.2	22.1552	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 00:26:30	801873.8	814225.2	22.15517	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 00:35:48	801874.9	814218	22.15518	113.96311	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 00:41:48	801877.1	814222.2	22.1552	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 00:47:46	801876	814214.9	22.15519	113.96308	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 00:50:42	801883.7	814217	22.15526	113.9631	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 00:56:30	801873.8	814220.1	22.15517	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 01:05:43	801882.6	814232.5	22.15525	113.96325	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 01:11:46	801876	814223.2	22.15519	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 01:14:30	801873.8	814221.1	22.15517	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 01:29:30	801877.1	814226.3	22.1552	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 01:41:45	801874.9	814218	22.15518	113.96311	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 01:47:47	801871.6	814219.1	22.15515	113.96312	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 01:47:48	801871.6	814219.1	22.15515	113.96312	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 01:53:54	801864.9	814219	22.15509	113.96312	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 02:05:48	801864.9	814220.1	22.15509	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 02:11:47	801864.9	814212.9	22.15509	113.96306	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 02:17:30	801869.3	814219.1	22.15513	113.96312	0.1	161.1	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	14-DEC-2020 02:23:48	801867.1	814226.3	22.15511	113.96319	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 02:26:43	801876	814224.2	22.15519	113.96317	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 02:35:46	801873.8	814226.3	22.15517	113.96319	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 02:41:46	801876	814226.3	22.15519	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 02:47:44	801873.8	814228.3	22.15517	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 02:59:46	801874.9	814222.2	22.15518	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 03:02:30	801876	814230.4	22.15519	113.96323	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 03:17:30	801872.7	814223.2	22.15516	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 03:29:45	801878.2	814227.3	22.15521	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 03:32:30	801873.8	814226.3	22.15517	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 03:35:32	801872.6	814227.3	22.15516	113.9632	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 03:47:46	801874.9	814226.3	22.15518	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 03:50:49	801883.7	814226.3	22.15526	113.96319	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 04:02:57	801871.6	814217	22.15515	113.9631	0.1	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 04:14:30	801871.5	814225.2	22.15515	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 04:29:43	801876	814225.3	22.15519	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 04:47:47	801870.4	814224.2	22.15514	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 04:53:50	801872.7	814221.1	22.15516	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 04:56:31	801872.7	814222.2	22.15516	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 04:56:33	801872.7	814222.2	22.15516	113.96315	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 05:11:30	801871.5	814223.2	22.15515	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 05:17:45	801869.3	814225.2	22.15513	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 05:29:47	801879.3	814225.3	22.15522	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 05:35:49	801874.9	814228.3	22.15518	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 05:41:30	801877.1	814226.3	22.1552	113.96319	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 05:53:49	801876	814228.3	22.15519	113.96321	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 05:59:46	801873.8	814227.3	22.15517	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 06:11:30	801876	814223.2	22.15519	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 06:17:53	801876	814227.3	22.15519	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 06:26:55	801876	814229.4	22.15519	113.96322	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 06:35:51	801878.2	814222.2	22.15521	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 06:41:30	801873.8	814227.3	22.15517	113.9632	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 06:45:02	801872.7	814221.1	22.15516	113.96314	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 06:56:41	801877.1	814224.2	22.1552	113.96317	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 07:08:58	801877.1	814218	22.1552	113.96311	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 07:23:30	801876	814218	22.15519	113.96311	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 07:29:44	801872.7	814220.1	22.15516	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 07:38:31	801880.4	814226.3	22.15523	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 07:53:44	801871.5	814222.1	22.15515	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 08:05:43	801868.2	814225.2	22.15512	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 08:08:30	801873.8	814223.2	22.15517	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 08:14:50	801870.4	814220.1	22.15514	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 08:20:32	801874.9	814224.2	22.15518	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 08:26:50	801866	814225.2	22.1551	113.96318	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 08:35:45	801871.5	814223.2	22.15515	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 08:41:54	801876	814231.4	22.15519	113.96324	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 08:44:59	801866	814217	22.1551	113.9631	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 08:53:30	801876	814222.2	22.15519	113.96315	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 08:59:58	801869.3	814213.9	22.15513	113.96307	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 09:08:30	801874.9	814224.2	22.15518	113.96317	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 09:12:03	801874.9	814223.2	22.15518	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 09:23:44	801877.1	814222.2	22.1552	113.96315	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 09:32:44	801872.7	814221.1	22.15516	113.96314	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 09:44:58	801878.2	814223.2	22.15521	113.96316	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 09:47:49	801880.4	814223.2	22.15523	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 09:59:44	801881.5	814226.3	22.15524	113.96319	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 10:05:45	801880.4	814226.3	22.15523	113.96319	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 10:14:31	801873.8	814223.2	22.15517	113.96316	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 10:14:57	801873.8	814223.2	22.15517	113.96316	0.1	161	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	14-DEC-2020 10:23:56	801881.5	814222.2	22.15524	113.96315	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 10:35:44	801883.7	814221.1	22.15526	113.96314	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 10:36:04	801883.7	814221.1	22.15526	113.96314	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 10:47:30	801868.2	814217	22.15512	113.9631	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 10:53:59	801873.8	814224.2	22.15517	113.96317	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 11:05:29	801869.3	814220.1	22.15513	113.96313	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 11:05:56	801869.3	814220.1	22.15513	113.96313	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 11:20:30	801866	814221.1	22.1551	113.96314	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 11:20:38	801866	814221.1	22.1551	113.96314	0.1	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 11:23:50	801872.7	814224.2	22.15516	113.96317	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 11:41:44	801867.1	814223.2	22.15511	113.96316	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 11:41:46	801867.1	814223.2	22.15511	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 11:56:30	801868.2	814225.2	22.15512	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 11:59:56	801866	814223.2	22.1551	113.96316	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 12:05:56	801868.2	814219.1	22.15512	113.96312	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 12:14:44	801864.9	814225.2	22.15509	113.96318	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 12:17:54	801868.2	814216	22.15512	113.96309	0.1	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 12:32:46	801863.8	814219	22.15508	113.96312	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 12:38:59	801863.8	814226.3	22.15508	113.96319	0	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 12:56:45	801867.1	814209.8	22.15511	113.96303	0	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 13:05:44	801877.1	814230.4	22.1552	113.96323	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 13:14:43	801882.6	814227.3	22.15525	113.9632	0.1	161.1	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 13:14:50	801882.6	814227.3	22.15525	113.9632	0.1	161	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 13:26:44	801872.7	814222.2	22.15516	113.96315	0.1	266.5	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 13:26:49	801872.7	814222.2	22.15516	113.96315	0.1	267	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 13:32:52	801870.5	814208.7	22.15514	113.96302	0	267	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 13:44:43	801879.3	814210.8	22.15522	113.96304	0	266.5	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 13:47:45	801876	814211.8	22.15519	113.96305	0.1	267	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 14:02:44	801877.1	814208.7	22.1552	113.96302	0	266.5	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 14:15:01	801873.8	814210.8	22.15517	113.96304	0	267	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 14:21:00	801876	814205.7	22.15519	113.96299	0	267	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 14:32:44	801881.5	814209.8	22.15524	113.96303	0	266.5	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 14:38:44	801877.1	814203.6	22.1552	113.96297	0.1	266.5	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 14:38:58	801877.1	814203.6	22.1552	113.96297	0.1	267	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 14:50:44	801887.1	814220.1	22.15529	113.96313	0.1	61.2	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 14:53:56	801879.3	814227.3	22.15522	113.9632	0	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 15:02:50	801879.3	814227.3	22.15522	113.9632	0.1	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 15:08:56	801880.4	814229.4	22.15523	113.96322	0	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 15:14:58	801873.8	814225.2	22.15517	113.96318	0.1	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 15:20:50	801880.4	814230.4	22.15523	113.96323	0	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 15:32:44	801877.1	814227.3	22.1552	113.9632	0	61.2	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 15:32:55	801877.1	814227.3	22.1552	113.9632	0	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 15:38:51	801873.7	814235.6	22.15517	113.96328	0	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 15:50:57	801879.3	814225.3	22.15522	113.96318	0.1	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 16:02:44	801879.3	814224.2	22.15522	113.96317	0.1	61.2	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 16:03:00	801879.3	814224.2	22.15522	113.96317	0.1	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 16:11:57	801874.9	814228.3	22.15518	113.96321	0	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 16:20:43	801870.4	814229.4	22.15514	113.96322	0	61.2	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 16:21:01	801870.4	814229.4	22.15514	113.96322	0	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 16:32:44	801873.8	814224.2	22.15517	113.96317	0.1	61.2	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 16:36:00	801876	814225.3	22.15519	113.96318	0.1	61	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 16:50:44	801872.6	814232.5	22.15516	113.96325	0	61.2	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 17:08:44	801881.5	814228.4	22.15524	113.96321	0.1	198.3	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 17:11:48	801878.2	814230.4	22.15521	113.96323	0.1	198	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 17:26:44	801879.3	814233.5	22.15522	113.96326	0.1	198.3	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 17:26:59	801879.3	814233.5	22.15522	113.96326	0.1	198	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 17:32:46	801876	814229.4	22.15519	113.96322	0	198	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 17:44:43	801881.5	814231.4	22.15524	113.96324	0.1	198.3	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 17:44:50	801881.5	814231.4	22.15524	113.96324	0.1	198	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	14-DEC-2020 17:50:47	801874.9	814226.3	22.15518	113.96319	0.1	198	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 17:59:39	801874.9	814232.5	22.15518	113.96325	0.1	198	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 18:02:56	801873.8	814226.3	22.15517	113.96319	0.1	198	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 18:14:57	801874.8	814236.6	22.15518	113.96329	0.1	198	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 18:23:53	801878.2	814235.6	22.15521	113.96328	0.1	198	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 18:29:57	801879.3	814225.3	22.15522	113.96318	0	191	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 18:38:44	801882.6	814224.2	22.15525	113.96317	0.1	198	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 18:50:50	801888.2	814225.3	22.1553	113.96318	0.1	197	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 18:51:50	801877.1	814229.4	22.1552	113.96322	0.1	187	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 19:08:54	801871.5	814222.1	22.15515	113.96315	0	205	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 19:17:57	801874.9	814220.1	22.15518	113.96313	0.1	205	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 19:29:50	801878.2	814226.3	22.15521	113.96319	0.1	198.6	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 19:38:46	801872.7	814222.2	22.15516	113.96315	0.1	197	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 19:44:39	801869.3	814229.4	22.15513	113.96322	0.1	191	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 19:57:03	801869.3	814222.1	22.15513	113.96315	0.1	186	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 20:02:54	801867.1	814227.3	22.15511	113.9632	0.1	197	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 20:15:01	801861.6	814232.5	22.15506	113.96325	0	186	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 20:20:57	801863.8	814223.2	22.15508	113.96316	0.1	186	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 20:38:45	801868.2	814238.6	22.15512	113.96331	0.1	189	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 20:47:41	801871.5	814233.5	22.15515	113.96326	0.1	354	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 21:03:01	801876	814218	22.15519	113.96311	0.1	345	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 21:08:40	801873.8	814218	22.15517	113.96311	0.1	355	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 21:14:51	801876	814222.2	22.15519	113.96315	0.2	356	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 21:21:02	801878.2	814226.3	22.15521	113.96319	0.1	358	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 21:29:42	801873.8	814226.3	22.15517	113.96319	0.2	358	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 21:32:47	801874.9	814222.2	22.15518	113.96315	0.1	354	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 21:56:55	801876	814230.4	22.15519	113.96323	0.2	338	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 22:11:50	801874.9	814230.4	22.15518	113.96323	0.2	346	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 22:14:56	801879.3	814223.2	22.15522	113.96316	0.1	346	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 22:26:57	801879.3	814223.2	22.15522	113.96316	0.1	357	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 22:38:54	801879.3	814226.3	22.15522	113.96319	0.2	351	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 22:44:47	801874.9	814226.3	22.15518	113.96319	0.2	4	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 23:02:46	801869.3	814221.1	22.15513	113.96314	0.1	358	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 23:17:49	801871.6	814217	22.15515	113.9631	0.2	348	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 23:26:44	801873.8	814223.2	22.15517	113.96316	0.1	356	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 23:32:39	801872.7	814218	22.15516	113.96311	0.1	351	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 23:35:52	801871.6	814219.1	22.15515	113.96312	0.1	353	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 23:47:57	801871.6	814219.1	22.15515	113.96312	0	2	ShipXY
LAN JIANG	Crane Barge	14-DEC-2020 23:53:51	801872.7	814220.1	22.15516	113.96313	0.1	354	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 00:08:46	801878.2	814217	22.15521	113.9631	0.1	352	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 00:20:51	801876	814213.9	22.15519	113.96307	0.1	347	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 00:26:42	801877.1	814234.5	22.1552	113.96327	0.1	342	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 00:38:50	801874.9	814212.9	22.15518	113.96306	0.1	346	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 00:47:48	801876	814210.8	22.15519	113.96304	0.1	344	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 00:56:41	801870.4	814225.2	22.15514	113.96318	0.1	336	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 01:08:45	801876	814225.3	22.15519	113.96318	0.1	337.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 01:11:58	801874.9	814213.9	22.15518	113.96307	0	338	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 01:12:42	801873.8	814220.1	22.15517	113.96313	0.1	335	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 01:29:58	801877.1	814220.1	22.1552	113.96313	0.1	348	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 01:44:45	801873.8	814219.1	22.15517	113.96312	0.1	352	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 01:50:47	801866	814221.1	22.1551	113.96314	0.1	1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 02:02:43	801878.2	814220.1	22.15521	113.96313	0.1	358.8	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 02:05:49	801879.3	814223.2	22.15522	113.96316	0.1	359	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 02:11:44	801868.2	814219.1	22.15512	113.96312	0.1	354	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 02:20:43	801870.4	814221.1	22.15514	113.96314	0	353.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 02:20:52	801870.4	814221.1	22.15514	113.96314	0	354	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 02:32:44	801876	814224.2	22.15519	113.96317	0.1	344.9	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 02:35:52	801870.4	814223.2	22.15514	113.96316	0.1	342	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 02:41:51	801881.5	814224.2	22.15524	113.96317	0.1	341	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	15-DEC-2020 02:50:44	801873.8	814221.1	22.15517	113.96314	0.1	353.9	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 02:56:45	801873.8	814226.3	22.15517	113.96319	0.1	343.3	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 03:05:56	801871.5	814232.5	22.15515	113.96325	0.1	347.4	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 03:08:44	801873.8	814229.4	22.15517	113.96322	0.1	344.4	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 03:14:49	801878.2	814213.9	22.15521	113.96307	0.1	349	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 03:17:53	801874.9	814219.1	22.15518	113.96312	0	350	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 03:26:43	801877.1	814220.1	22.1552	113.96313	0	348.5	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 03:35:56	801876	814219.1	22.15519	113.96312	0.1	347.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 03:44:57	801873.8	814220.1	22.15517	113.96313	0.1	348	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 03:50:49	801880.4	814235.6	22.15523	113.96328	0.1	351	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 04:02:44	801871.5	814223.2	22.15515	113.96316	0.1	349.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 04:05:54	801878.2	814224.2	22.15521	113.96317	0.1	352	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 04:11:48	801870.4	814224.2	22.15514	113.96317	0.1	342	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 04:20:44	801876	814225.3	22.15519	113.96318	0.1	340.4	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 04:20:56	801876	814225.3	22.15519	113.96318	0.1	340	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 04:38:44	801870.4	814221.1	22.15514	113.96314	0.1	349	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 04:50:49	801871.6	814218	22.15515	113.96311	0.2	349	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 04:56:44	801872.7	814221.1	22.15516	113.96314	0.1	352.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 04:59:56	801870.4	814225.2	22.15514	113.96318	0.1	353	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 05:14:44	801872.7	814213.9	22.15516	113.96307	0.1	343.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 05:32:44	801877.1	814220.1	22.1552	113.96313	0.1	5.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 05:38:49	801881.5	814222.2	22.15524	113.96315	0.1	10	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 05:50:44	801871.6	814211.8	22.15515	113.96305	0.1	359.3	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 05:53:42	801871.5	814221.1	22.15515	113.96314	0.1	359	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 05:59:46	801877.1	814217	22.1552	113.9631	0.1	2	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 06:08:44	801881.5	814214.9	22.15524	113.96308	0.1	7.4	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 06:29:46	801877.1	814222.2	22.1552	113.96315	0.1	356.8	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 06:38:45	801873.8	814214.9	22.15517	113.96308	0.1	353.9	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 06:44:44	801869.3	814220.1	22.15513	113.96313	0.1	353.9	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 07:02:44	801873.8	814210.8	22.15517	113.96304	0.1	341.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 07:02:59	801873.8	814210.8	22.15517	113.96304	0.1	342	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 07:20:47	801876	814212.9	22.15519	113.96306	0.1	344	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 07:38:45	801867.1	814222.1	22.15511	113.96315	0.1	339.2	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 07:41:46	801869.3	814226.3	22.15513	113.96319	0.1	345	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 07:47:56	801870.4	814220.1	22.15514	113.96313	0.1	340	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 07:56:44	801869.3	814223.2	22.15513	113.96316	0.1	336.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 07:59:45	801868.2	814219.1	22.15512	113.96312	0.1	336	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 08:08:59	801870.4	814223.2	22.15514	113.96316	0.1	348	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 08:10:41	801869.3	814222.1	22.15513	113.96315	0.1	348.2	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 08:26:44	801867.1	814222.1	22.15511	113.96315	0.1	346	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 08:26:59	801867.1	814222.1	22.15511	113.96315	0.1	346	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 08:44:44	801873.8	814222.2	22.15517	113.96315	0.1	343.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 08:44:55	801873.8	814222.2	22.15517	113.96315	0.1	344	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 09:02:44	801871.5	814222.1	22.15515	113.96315	0.1	351.2	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 09:17:44	801873.8	814219.1	22.15517	113.96312	0.1	349.2	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 09:20:57	801868.2	814223.2	22.15512	113.96316	0.1	298	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 09:32:44	801862.7	814242.8	22.15507	113.96335	0.1	118.2	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 09:35:55	801857.1	814239.7	22.15502	113.96332	0.1	118	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 09:44:44	801859.4	814219	22.15504	113.96312	0.3	274.5	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 09:47:47	801858.3	814215.9	22.15503	113.96309	0.1	214	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 09:59:44	801873.8	814222.2	22.15517	113.96315	0.1	52.3	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 10:05:49	801871.6	814219.1	22.15515	113.96312	0.1	349	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 10:14:44	801871.5	814221.1	22.15515	113.96314	0.1	356.4	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 10:29:43	801879.3	814221.1	22.15522	113.96314	0.1	358.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 10:29:49	801879.3	814221.1	22.15522	113.96314	0.1	359	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 10:41:44	801878.2	814228.3	22.15521	113.96321	0.1	0.8	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 10:44:48	801878.2	814214.9	22.15521	113.96308	0.1	349	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 10:56:44	801877.1	814210.8	22.1552	113.96304	0.1	349.4	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 11:11:44	801882.6	814225.3	22.15525	113.96318	0.1	2.2	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	15-DEC-2020 11:20:56	801877.1	814219.1	22.1552	113.96312	0.1	352	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 11:26:44	801874.9	814224.2	22.15518	113.96317	0.1	331.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 11:26:46	801874.9	814224.2	22.15518	113.96317	0.1	332	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 11:41:44	801880.4	814220.1	22.15523	113.96313	0.1	352.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 11:41:54	801880.4	814220.1	22.15523	113.96313	0.1	353	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 11:56:44	801874.9	814216	22.15518	113.96309	0.1	349.9	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 12:11:45	801869.3	814222.1	22.15513	113.96315	0.1	354.5	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 12:11:50	801869.3	814222.1	22.15513	113.96315	0.1	355	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 12:20:59	801872.7	814223.2	22.15516	113.96316	0	355	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 12:26:44	801873.8	814218	22.15517	113.96311	0	345.9	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 12:29:48	801877.1	814225.3	22.1552	113.96318	0.1	346	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 12:41:44	801871.6	814212.9	22.15515	113.96306	0.1	345.9	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 12:47:46	801872.6	814226.3	22.15516	113.96319	0.1	345.9	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 12:47:53	801872.6	814226.3	22.15516	113.96319	0.1	346	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 12:56:44	801868.2	814223.2	22.15512	113.96316	0.1	343.9	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 13:02:43	801871.5	814223.2	22.15515	113.96316	0.1	339	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 13:11:44	801872.7	814221.1	22.15516	113.96314	0.1	339.2	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 13:29:46	801869.3	814226.3	22.15513	113.96319	0	333.3	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 13:41:44	801876	814224.2	22.15519	113.96317	0.1	344.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 13:41:59	801876	814224.2	22.15519	113.96317	0.1	345	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 13:56:44	801872.7	814214.9	22.15516	113.96308	0.1	344.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 13:56:50	801872.7	814214.9	22.15516	113.96308	0.1	345	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 14:11:43	801876	814224.2	22.15519	113.96317	0.1	344.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 14:23:44	801877.1	814232.5	22.1552	113.96325	0.1	330.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 14:29:48	801874.9	814224.2	22.15518	113.96317	0	330.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 14:38:44	801879.3	814220.1	22.15522	113.96313	0.1	330.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 14:41:55	801874.9	814224.2	22.15518	113.96317	0.1	331	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 14:53:49	801880.4	814214.9	22.15523	113.96308	0	328.8	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 14:59:51	801873.8	814220.1	22.15517	113.96313	0.1	328.8	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 15:05:44	801874.9	814214.9	22.15518	113.96308	0.1	336.5	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 15:09:00	801874.9	814220.1	22.15518	113.96313	0.1	336	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 15:14:52	801872.7	814224.2	22.15516	113.96317	0	345	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 15:20:44	801872.7	814221.1	22.15516	113.96314	0	341	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 15:20:55	801872.7	814221.1	22.15516	113.96314	0	341	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 15:32:48	801876	814219.1	22.15519	113.96312	0	338	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 15:35:55	801876	814221.1	22.15519	113.96314	0.1	338	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 15:47:43	801876	814221.1	22.15519	113.96314	0.1	338.2	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 15:59:44	801871.5	814221.1	22.15515	113.96314	0.1	337.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 16:14:44	801877.1	814220.1	22.1552	113.96313	0.1	351.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 16:14:55	801877.1	814220.1	22.1552	113.96313	0.1	351	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 16:29:44	801873.8	814221.1	22.15517	113.96314	0.1	345.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 16:33:00	801877.1	814225.3	22.1552	113.96318	0.1	342	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 16:41:45	801878.2	814229.4	22.15521	113.96322	0.1	340.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 16:44:44	801879.3	814232.5	22.15522	113.96325	0.1	341	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 16:56:44	801881.5	814222.2	22.15524	113.96315	0.1	341.3	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 17:08:45	801878.2	814230.4	22.15521	113.96323	0.1	304.4	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 17:23:44	801879.3	814227.3	22.15522	113.9632	0.1	347.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 17:32:41	801881.5	814221.1	22.15524	113.96314	0.1	347	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 17:41:44	801876	814231.4	22.15519	113.96324	0.1	347.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 17:51:00	801877.1	814227.3	22.1552	113.9632	0.1	337	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 17:57:00	801880.4	814227.3	22.15523	113.9632	0.1	337	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 18:05:46	801878.2	814226.3	22.15521	113.96319	0.1	336	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 18:11:47	801876	814229.4	22.15519	113.96322	0.1	353.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 18:15:00	801877.1	814226.3	22.1552	113.96319	0.1	353	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 18:29:44	801883.7	814218	22.15526	113.96311	0.1	353.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 18:38:44	801878.2	814225.3	22.15521	113.96318	0	357	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 18:47:56	801882.6	814223.2	22.15525	113.96316	0.1	350	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 18:53:43	801872.7	814217	22.15516	113.9631	0.1	350	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 19:02:44	801876	814217	22.15519	113.9631	0.1	350.2	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	15-DEC-2020 19:02:55	801876	814217	22.15519	113.9631	0.1	350	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 19:17:44	801876	814222.2	22.15519	113.96315	0.1	334.9	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 19:32:54	801877.1	814216	22.1552	113.96309	0	318	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 19:47:47	801877.1	814219.1	22.1552	113.96312	0.1	318.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 19:50:56	801876	814221.1	22.15519	113.96314	0.1	318	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 20:02:44	801871.6	814220.1	22.15515	113.96313	0	318.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 20:11:47	801871.6	814220.1	22.15515	113.96313	0.1	318.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 20:17:44	801874.9	814221.1	22.15518	113.96314	0.1	346.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 20:20:56	801871.6	814219.1	22.15515	113.96312	0.1	347	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 20:32:44	801874.9	814222.2	22.15518	113.96315	0.1	346.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 20:47:44	801872.6	814227.3	22.15516	113.9632	0.1	346.6	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 20:47:54	801872.6	814227.3	22.15516	113.9632	0.1	347	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 21:02:44	801872.6	814232.5	22.15516	113.96325	0	331.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 21:05:46	801872.7	814224.2	22.15516	113.96317	0.1	331	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 21:17:44	801874.9	814230.4	22.15518	113.96323	0.1	331.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 21:20:44	801874.9	814225.2	22.15518	113.96318	0.1	331	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 21:32:44	801874.9	814227.3	22.15518	113.9632	0.1	338	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 21:35:55	801876	814228.3	22.15519	113.96321	0.1	347	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 21:47:44	801883.7	814229.4	22.15526	113.96322	0	346.7	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 21:50:52	801880.4	814225.3	22.15523	113.96318	0.1	347	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 22:02:51	801880.4	814221.1	22.15523	113.96314	0.1	344	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 22:17:45	801878.2	814227.3	22.15521	113.9632	0	350	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 22:26:43	801874.9	814224.2	22.15518	113.96317	0.1	350	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 22:32:44	801874.9	814231.4	22.15518	113.96324	0.1	350	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 22:35:50	801872.7	814223.2	22.15516	113.96316	0.1	350	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 22:44:49	801870.4	814220.1	22.15514	113.96313	0.1	0	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 22:59:45	801874.9	814227.3	22.15518	113.9632	0.1	345.1	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 22:59:55	801874.9	814227.3	22.15518	113.9632	0.1	345	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 23:14:44	801872.7	814224.2	22.15516	113.96317	0.1	342.8	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 23:17:58	801874.9	814228.3	22.15518	113.96321	0.1	342.8	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 23:26:44	801878.2	814222.2	22.15521	113.96315	0	349.8	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 23:30:00	801881.5	814228.4	22.15524	113.96321	0	346	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 23:41:44	801871.5	814221.1	22.15515	113.96314	0.1	346.4	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 23:51:01	801876	814223.2	22.15519	113.96316	0.1	346	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 23:56:44	801869.3	814223.2	22.15513	113.96316	0.1	346.4	ShipXY
LAN JIANG	Crane Barge	15-DEC-2020 23:56:48	801869.3	814223.2	22.15513	113.96316	0.1	346	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 00:11:44	801879.3	814223.2	22.15522	113.96316	0	343.8	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 00:11:55	801879.3	814223.2	22.15522	113.96316	0	344	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 00:26:54	801874.9	814217	22.15518	113.9631	0.1	344	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 00:41:47	801882.6	814217	22.15525	113.9631	0.1	338.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 00:44:58	801880.4	814221.1	22.15523	113.96314	0.1	330	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 00:56:44	801877.1	814225.3	22.1552	113.96318	0.1	329.7	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 00:57:02	801877.1	814225.3	22.1552	113.96318	0.1	330	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 01:11:44	801876	814222.2	22.15519	113.96315	0.1	348.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 01:11:55	801876	814222.2	22.15519	113.96315	0.1	348	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 01:21:01	801873.8	814221.1	22.15517	113.96314	0.1	345	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 01:29:49	801872.7	814222.2	22.15516	113.96315	0.1	346.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 01:41:44	801872.7	814224.2	22.15516	113.96317	0	351.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 01:56:44	801874.9	814221.1	22.15518	113.96314	0.1	351.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 02:05:47	801868.2	814216	22.15512	113.96309	0.1	359.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 02:11:47	801874.9	814228.3	22.15518	113.96321	0.1	354.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 02:23:44	801869.3	814220.1	22.15513	113.96313	0.1	354.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 02:24:01	801869.3	814220.1	22.15513	113.96313	0.1	354	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 02:32:49	801874.9	814225.2	22.15518	113.96318	0.1	342	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 02:38:44	801872.7	814225.2	22.15516	113.96318	0.1	341.9	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 02:42:01	801873.8	814227.3	22.15517	113.9632	0.1	342	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 02:53:44	801874.9	814231.4	22.15518	113.96324	0.1	354.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 03:02:52	801880.4	814231.4	22.15523	113.96324	0.1	350	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 03:08:44	801874.9	814224.2	22.15518	113.96317	0	350.1	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	16-DEC-2020 03:17:55	801872.7	814224.2	22.15516	113.96317	0.1	345	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 03:23:44	801873.8	814223.2	22.15517	113.96316	0.1	345.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 03:26:54	801871.5	814223.2	22.15515	113.96316	0.1	345	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 03:38:44	801877.1	814230.4	22.1552	113.96323	0.1	355.9	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 03:53:47	801878.2	814227.3	22.15521	113.9632	0	343.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 04:05:47	801873.8	814227.3	22.15517	113.9632	0.1	348.7	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 04:11:44	801870.4	814226.3	22.15514	113.96319	0.1	348.7	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 04:17:47	801873.8	814227.3	22.15517	113.9632	0.1	334	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 04:20:44	801874.9	814227.3	22.15518	113.9632	0.1	334	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 04:29:44	801872.7	814224.2	22.15516	113.96317	0.1	337.9	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 04:35:47	801870.4	814224.2	22.15514	113.96317	0.1	337.9	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 04:41:44	801873.8	814223.2	22.15517	113.96316	0.1	337.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 04:47:44	801873.8	814224.2	22.15517	113.96317	0.1	337.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 04:53:44	801871.5	814224.2	22.15515	113.96317	0.1	337.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 04:59:44	801874.9	814223.2	22.15518	113.96316	0.1	337.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 05:05:44	801873.8	814226.3	22.15517	113.96319	0.1	337.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 05:08:44	801871.5	814221.1	22.15515	113.96314	0.1	333.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 05:17:44	801876	814219.1	22.15519	113.96312	0	326.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 05:32:44	801876	814225.3	22.15519	113.96318	0.1	326.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 05:53:47	801877.1	814225.3	22.1552	113.96318	0.1	174.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 05:59:44	801878.2	814221.1	22.15521	113.96314	0	174.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 06:05:47	801876	814221.1	22.15519	113.96314	0.1	174.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 06:11:47	801876	814228.3	22.15519	113.96321	0.1	174.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 06:14:44	801876	814223.2	22.15519	113.96316	0.1	191.7	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 06:17:59	801878.2	814231.4	22.15521	113.96324	0	191.7	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 06:29:44	801874.9	814225.2	22.15518	113.96318	0.1	181.9	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 06:35:48	801873.8	814223.2	22.15517	113.96316	0.1	181.9	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 06:41:48	801874.9	814226.3	22.15518	113.96319	0	181	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 06:44:44	801876	814228.3	22.15519	113.96321	0.1	181	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 06:59:44	801877.1	814218	22.1552	113.96311	0.1	192.7	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 07:05:48	801883.7	814224.2	22.15526	113.96317	0.1	198.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 07:14:44	801879.3	814218	22.15522	113.96311	0.1	198.5	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 07:29:51	801876	814224.2	22.15519	113.96317	0	188.9	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 07:41:44	801871.5	814225.2	22.15515	113.96318	0.1	201.8	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 07:56:44	801867.1	814224.2	22.15511	113.96317	0.1	201.8	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 08:08:45	801873.8	814226.3	22.15517	113.96319	0.1	182.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 08:29:48	801874.9	814226.3	22.15518	113.96319	0.1	197.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 08:38:44	801877.1	814224.2	22.1552	113.96317	0.1	197.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 08:53:44	801873.8	814220.1	22.15517	113.96313	0.1	190.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 09:05:45	801866	814223.2	22.1551	113.96316	0.2	191.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 09:20:44	801867.1	814233.5	22.15511	113.96326	0.1	165.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 09:35:44	801872.7	814222.2	22.15516	113.96315	0.1	189.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 09:50:44	801880.4	814222.2	22.15523	113.96315	0.1	187.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 10:05:44	801879.3	814220.1	22.15522	113.96313	0.1	347	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 10:17:45	801876	814218	22.15519	113.96311	0.1	241.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 10:32:44	801873.8	814219.1	22.15517	113.96312	0.1	184.5	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 10:47:44	801873.8	814221.1	22.15517	113.96314	0.1	191.5	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 11:02:45	801872.7	814214.9	22.15516	113.96308	0.1	182.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 11:17:44	801881.5	814222.2	22.15524	113.96315	0.1	352.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 11:32:44	801872.7	814223.2	22.15516	113.96316	0.1	186.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 11:44:44	801880.4	814221.1	22.15523	113.96314	0.1	192.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 11:59:44	801882.6	814221.1	22.15525	113.96314	0.1	183.8	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 12:11:45	801879.3	814219.1	22.15522	113.96312	0.1	183.9	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 12:26:44	801873.8	814223.2	22.15517	113.96316	0	181.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 12:38:45	801878.2	814212.9	22.15521	113.96306	0.1	195.8	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 12:53:44	801871.5	814229.4	22.15515	113.96322	0	195.5	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 13:08:44	801882.6	814223.2	22.15525	113.96316	0	192.8	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 13:23:44	801871.6	814220.1	22.15515	113.96313	0.1	190.5	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 13:41:44	801872.7	814222.2	22.15516	113.96315	0	198	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	16-DEC-2020 13:56:44	801879.3	814216	22.15522	113.96309	0.1	197.8	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 14:08:46	801881.5	814220.1	22.15524	113.96313	0.1	184.7	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 14:23:44	801877.1	814220.1	22.1552	113.96313	0.1	209.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 14:35:45	801877.1	814219.1	22.1552	113.96312	0.1	188.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 14:50:45	801878.2	814220.1	22.15521	113.96313	0.1	338.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 15:05:44	801872.7	814212.9	22.15516	113.96306	0.1	345.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 15:20:45	801871.6	814220.1	22.15515	113.96313	0.1	333.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 15:35:45	801873.8	814217	22.15517	113.9631	0.1	335.5	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 15:50:44	801882.6	814222.2	22.15525	113.96315	0.1	338.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 16:05:44	801876	814220.1	22.15519	113.96313	0	343.8	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 16:20:44	801876	814220.1	22.15519	113.96313	0	343.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 16:35:44	801871.5	814221.1	22.15515	113.96314	0.1	340.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 16:50:44	801874.9	814221.1	22.15518	113.96314	0	337.1	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 17:02:49	801878.2	814227.3	22.15521	113.9632	0.1	321.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 17:17:49	801878.2	814224.2	22.15521	113.96317	0	342.8	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 17:32:48	801883.7	814222.2	22.15526	113.96315	0.1	342.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 17:44:49	801879.3	814221.1	22.15522	113.96314	0.1	348.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 17:59:49	801880.4	814221.1	22.15523	113.96314	0.1	355.8	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 18:14:49	801877.1	814225.3	22.1552	113.96318	0.1	359.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 18:29:49	801884.8	814216	22.15527	113.96309	0.1	8.5	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 18:44:48	801876	814223.2	22.15519	113.96316	0.1	31.7	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 18:59:48	801877.1	814219.1	22.1552	113.96312	0.1	359.7	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 19:11:49	801873.8	814213.9	22.15517	113.96307	0.1	340	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 19:26:49	801872.7	814210.8	22.15516	113.96304	0.2	345.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 19:32:48	801877.1	814218	22.1552	113.96311	0.1	346	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 19:47:49	801871.6	814218	22.15515	113.96311	0.1	358.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 19:53:49	801878.2	814213.9	22.15521	113.96307	0.1	358.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 19:59:49	801873.8	814214.9	22.15517	113.96308	0.1	358.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 20:08:48	801870.5	814211.8	22.15514	113.96305	0.1	358.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 20:32:48	801874.9	814221.1	22.15518	113.96314	0	351.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 20:38:48	801871.6	814217	22.15515	113.9631	0.1	3.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 20:59:48	801873.8	814214.9	22.15517	113.96308	0.1	344	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 21:20:48	801873.8	814226.3	22.15517	113.96319	0.1	355.6	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 21:26:49	801876	814223.2	22.15519	113.96316	0.2	347.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 21:38:48	801880.4	814213.9	22.15523	113.96307	0.1	347.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 21:59:48	801874.9	814224.2	22.15518	113.96317	0.1	353.9	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 22:11:49	801877.1	814221.1	22.1552	113.96314	0.1	340.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 22:20:49	801878.2	814220.1	22.15521	113.96313	0	340.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 22:26:49	801880.4	814222.2	22.15523	113.96315	0.1	340.3	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 22:38:50	801872.7	814223.2	22.15516	113.96316	0.1	6.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 22:41:51	801874.9	814225.2	22.15518	113.96318	0.1	6.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 22:53:49	801872.7	814219.1	22.15516	113.96312	0.1	6.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 23:08:49	801873.8	814219.1	22.15517	113.96312	0.1	6.4	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 23:20:49	801877.1	814221.1	22.1552	113.96314	0	347.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 23:32:49	801871.5	814225.2	22.15515	113.96318	0.1	347.2	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 23:44:49	801872.7	814222.2	22.15516	113.96315	0.1	346.9	ShipXY
LAN JIANG	Crane Barge	16-DEC-2020 23:50:49	801874.9	814216	22.15518	113.96309	0	346.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 00:05:48	801869.3	814222.1	22.15513	113.96315	0.1	349.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 00:06:01	801869.3	814222.1	22.15513	113.96315	0.1	349.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 00:23:48	801871.5	814224.2	22.15515	113.96317	0	338.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 00:38:48	801879.3	814218	22.15522	113.96311	0.1	340.3	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 00:50:49	801877.1	814222.2	22.1552	113.96315	0.1	329.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 01:02:49	801876	814220.1	22.15519	113.96313	0.1	338.1	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 01:17:48	801871.6	814220.1	22.15515	113.96313	0.1	342.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 01:29:49	801868.2	814226.3	22.15512	113.96319	0.1	342.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 01:44:49	801869.3	814223.2	22.15513	113.96316	0.1	357.4	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 01:56:49	801871.6	814220.1	22.15515	113.96313	0.1	2.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 02:11:56	801870.4	814221.1	22.15514	113.96314	0.1	2.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 02:26:49	801867.1	814222.1	22.15511	113.96315	0.1	346.9	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	17-DEC-2020 02:42:01	801871.6	814219.1	22.15515	113.96312	0.1	356.4	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 02:56:48	801869.3	814230.4	22.15513	113.96323	0.1	338.2	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 03:08:49	801873.8	814220.1	22.15517	113.96313	0.1	338.2	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 03:23:48	801874.9	814220.1	22.15518	113.96313	0.1	338.2	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 03:36:01	801866	814225.2	22.1551	113.96318	0.1	344.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 03:50:49	801873.8	814226.3	22.15517	113.96319	0.1	344.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 04:05:48	801871.5	814225.2	22.15515	113.96318	0.1	348.6	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 04:17:49	801868.2	814225.2	22.15512	113.96318	0.1	348.6	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 04:32:48	801871.5	814222.1	22.15515	113.96315	0.1	336.1	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 04:45:24	801870.4	814219.1	22.15514	113.96312	0.1	336.1	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 04:59:49	801877.1	814223.2	22.1552	113.96316	0.1	336.1	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 05:14:49	801877.1	814223.2	22.1552	113.96316	0.1	325.2	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 05:29:48	801876	814223.2	22.15519	113.96316	0	325.2	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 05:47:55	801876	814227.3	22.15519	113.9632	0	347.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 06:02:49	801879.3	814222.2	22.15522	113.96315	0.1	354.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 06:17:49	801871.5	814227.3	22.15515	113.9632	0.1	355.8	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 06:32:49	801877.1	814223.2	22.1552	113.96316	0.1	1.4	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 06:44:53	801885.9	814226.3	22.15528	113.96319	0.1	356.4	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 06:59:04	801877.1	814214.9	22.1552	113.96308	0.1	348.6	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 07:11:49	801872.7	814208.7	22.15516	113.96302	0	339.2	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 07:24:28	801873.8	814220.1	22.15517	113.96313	0	325.6	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 07:38:48	801873.8	814220.1	22.15517	113.96313	0.1	330.4	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 07:56:48	801864.9	814219	22.15509	113.96312	0.1	336.4	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 08:11:48	801870.4	814222.1	22.15514	113.96315	0.1	342.4	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 08:26:49	801872.7	814222.2	22.15516	113.96315	0.1	344.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 08:38:49	801869.3	814224.2	22.15513	113.96317	0	346	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 08:53:49	801872.7	814222.2	22.15516	113.96315	0.1	353.3	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 09:08:48	801863.8	814215.9	22.15508	113.96309	0.1	343.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 09:20:49	801880.4	814220.1	22.15523	113.96313	0.1	343.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 09:35:48	801884.8	814222.2	22.15527	113.96315	0.1	335.2	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 09:53:50	801873.8	814223.2	22.15517	113.96316	0.1	201.2	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 10:02:48	801873.8	814218	22.15517	113.96311	0.1	184.1	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 10:14:49	801880.4	814228.4	22.15523	113.96321	0.1	346.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 10:29:49	801881.5	814227.3	22.15524	113.9632	0.1	345.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 10:44:48	801881.5	814232.5	22.15524	113.96325	0.1	350.1	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 10:56:49	801877.1	814223.2	22.1552	113.96316	0.1	3.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 11:11:48	801879.3	814226.3	22.15522	113.96319	0	357.6	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 11:26:48	801869.3	814214.9	22.15513	113.96308	0.1	261.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 11:38:49	801880.4	814220.1	22.15523	113.96313	0.2	353.1	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 11:53:49	801878.2	814217	22.15521	113.9631	0.1	357	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 12:08:49	801869.3	814222.1	22.15513	113.96315	0.1	348.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 12:23:48	801871.6	814219.1	22.15515	113.96312	0.1	355.8	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 12:35:49	801871.6	814211.8	22.15515	113.96305	0.1	354.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 12:50:48	801874.9	814228.3	22.15518	113.96321	0.1	354.3	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 13:05:49	801877.1	814218	22.1552	113.96311	0.1	346.3	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 13:14:50	801873.8	814218	22.15517	113.96311	0.2	341.3	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 13:17:50	801877.1	814231.4	22.1552	113.96324	0.1	345.4	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 13:32:49	801876	814221.1	22.15519	113.96314	0.1	348.6	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 13:32:59	801876	814221.1	22.15519	113.96314	0.1	349	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 13:44:49	801880.4	814211.8	22.15523	113.96305	0.1	348.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 13:47:49	801874.9	814227.3	22.15518	113.9632	0	357	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 13:56:52	801876	814219.1	22.15519	113.96312	0.1	346.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 13:56:59	801876	814219.1	22.15519	113.96312	0.1	347	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 14:11:49	801883.7	814217	22.15526	113.9631	0.1	341.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 14:23:50	801877.1	814220.1	22.1552	113.96313	0.1	341	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 14:24:04	801877.1	814220.1	22.1552	113.96313	0.1	341	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 14:29:50	801882.6	814220.1	22.15525	113.96313	0	341	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 14:38:49	801877.1	814218	22.1552	113.96311	0	336.4	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 14:44:52	801878.2	814211.8	22.15521	113.96305	0.1	339	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	17-DEC-2020 14:56:49	801873.8	814226.3	22.15517	113.96319	0	339.3	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 14:57:05	801873.8	814226.3	22.15517	113.96319	0	339	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 15:11:49	801873.8	814224.2	22.15517	113.96317	0	333.3	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 15:11:51	801873.8	814224.2	22.15517	113.96317	0	333.3	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 15:26:49	801871.6	814218	22.15515	113.96311	0.1	336.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 15:32:48	801878.2	814221.1	22.15521	113.96314	0.1	338	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 15:41:50	801883.7	814224.2	22.15526	113.96317	0.1	344.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 15:50:50	801872.7	814221.1	22.15516	113.96314	0.1	330.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 15:56:48	801870.4	814219.1	22.15514	113.96312	0.1	330.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 16:08:49	801874.9	814222.2	22.15518	113.96315	0.1	341.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 16:11:51	801870.4	814217	22.15514	113.9631	0.1	342	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 16:26:48	801876	814218	22.15519	113.96311	0.1	339.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 16:29:51	801871.5	814221.1	22.15515	113.96314	0.1	340	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 16:38:49	801879.3	814220.1	22.15522	113.96313	0.1	339.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 16:38:58	801879.3	814220.1	22.15522	113.96313	0.1	340	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 16:50:51	801874.9	814222.2	22.15518	113.96315	0.1	335.8	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 16:56:48	801880.4	814218	22.15523	113.96311	0.1	348.6	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 17:08:49	801879.3	814220.1	22.15522	113.96313	0.1	349.5	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 17:11:58	801877.1	814223.2	22.1552	113.96316	0.1	350	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 17:32:48	801876	814217	22.15519	113.9631	0.1	349.4	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 17:35:53	801881.5	814222.2	22.15524	113.96315	0.1	349	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 17:44:49	801881.5	814219.1	22.15524	113.96312	0.1	347.9	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 17:50:59	801872.7	814221.1	22.15516	113.96314	0	351	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 17:56:52	801870.4	814222.1	22.15514	113.96315	0.1	346	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 18:11:48	801871.5	814222.1	22.15515	113.96315	0.1	348	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 18:11:54	801871.5	814222.1	22.15515	113.96315	0.1	348	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 18:20:42	801874.9	814217	22.15518	113.9631	0.1	348	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 18:32:54	801882.6	814210.8	22.15525	113.96304	0.1	359	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 18:44:57	801871.6	814213.9	22.15515	113.96307	0.1	357	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 18:50:55	801876	814216	22.15519	113.96309	0.1	340	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 19:02:49	801870.5	814211.8	22.15514	113.96305	0.1	346	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 19:08:52	801870.5	814213.9	22.15514	113.96307	0.1	348	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 19:21:02	801871.6	814211.8	22.15515	113.96305	0.1	333	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 19:26:48	801874.9	814212.9	22.15518	113.96306	0	333	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 19:38:49	801874.9	814213.9	22.15518	113.96307	0.1	330.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 19:41:58	801874.9	814210.8	22.15518	113.96304	0.1	331	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 19:48:00	801872.7	814218	22.15516	113.96311	0.1	350	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 19:56:51	801879.3	814216	22.15522	113.96309	0.1	354	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 20:09:04	801872.7	814216	22.15516	113.96309	0.1	357	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 20:26:48	801870.4	814226.3	22.15514	113.96319	0.1	352.2	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 20:29:56	801868.2	814222.1	22.15512	113.96315	0.1	344	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 20:42:00	801877.1	814220.1	22.1552	113.96313	0.1	2	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 20:53:48	801873.8	814224.2	22.15517	113.96317	0	348.3	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 21:08:49	801873.8	814221.1	22.15517	113.96314	0.1	348.3	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 21:26:48	801869.3	814217	22.15513	113.9631	0.1	342.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 21:30:02	801874.9	814219.1	22.15518	113.96312	0.1	343	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 21:39:03	801876	814220.1	22.15519	113.96313	0.1	343	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 21:47:48	801873.8	814221.1	22.15517	113.96314	0.1	342.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 21:47:58	801873.8	814221.1	22.15517	113.96314	0.1	343	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 21:54:00	801877.1	814221.1	22.1552	113.96314	0.1	343	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 22:02:48	801873.8	814219.1	22.15517	113.96312	0.1	342.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 22:14:49	801878.2	814211.8	22.15521	113.96305	0	342.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 22:15:03	801878.2	814211.8	22.15521	113.96305	0	343	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 22:27:00	801873.8	814221.1	22.15517	113.96314	0.1	343	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 22:38:48	801876	814220.1	22.15519	113.96313	0.1	342.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 22:44:51	801869.3	814219.1	22.15513	113.96312	0.1	342.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 22:47:47	801873.8	814218	22.15517	113.96311	0.1	343	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 22:59:51	801872.7	814221.1	22.15516	113.96314	0.1	342.7	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 23:11:45	801877.1	814220.1	22.1552	113.96313	0.1	343	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	17-DEC-2020 23:17:59	801876	814224.2	22.15519	113.96317	0.1	343	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 23:26:58	801873.8	814221.1	22.15517	113.96314	0.1	345	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 23:33:00	801872.7	814221.1	22.15516	113.96314	0	345	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 23:47:48	801876	814221.1	22.15519	113.96314	0	350.8	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 23:51:04	801869.3	814223.2	22.15513	113.96316	0.1	350.8	ShipXY
LAN JIANG	Crane Barge	17-DEC-2020 23:57:03	801868.2	814217	22.15512	113.9631	0.1	351	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 00:08:51	801876	814216	22.15519	113.96309	0.1	350.8	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 00:11:46	801873.8	814212.9	22.15517	113.96306	0.1	351	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 00:20:49	801877.1	814212.9	22.1552	113.96306	0.1	337.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 00:24:02	801873.8	814213.9	22.15517	113.96307	0.1	338	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 00:32:51	801874.9	814214.9	22.15518	113.96308	0.1	337.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 00:35:48	801869.3	814209.8	22.15513	113.96303	0.1	338.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 00:39:00	801871.6	814212.9	22.15515	113.96306	0.1	346	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 00:50:48	801872.7	814212.9	22.15516	113.96306	0.1	337.6	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 00:56:45	801880.4	814211.8	22.15523	113.96305	0.1	334	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 01:02:49	801867.1	814220.1	22.15511	113.96313	0.1	329.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 01:03:03	801867.1	814220.1	22.15511	113.96313	0.1	330	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 01:05:51	801863.8	814218	22.15508	113.96311	0	329.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 01:17:50	801878.2	814218	22.15521	113.96311	0.1	330	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 01:26:51	801872.7	814208.7	22.15516	113.96302	0.1	347.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 01:29:51	801876	814214.9	22.15519	113.96308	0.1	344	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 01:35:51	801871.6	814212.9	22.15515	113.96306	0.1	344	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 01:53:48	801876	814221.1	22.15519	113.96314	0	344.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 01:57:03	801869.3	814218	22.15513	113.96311	0.1	344	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 02:08:49	801872.7	814224.2	22.15516	113.96317	0.1	344.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 02:09:03	801872.7	814224.2	22.15516	113.96317	0.1	344	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 02:15:02	801867.1	814218	22.15511	113.96311	0.1	344	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 02:26:49	801872.7	814222.2	22.15516	113.96315	0.1	344.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 02:32:51	801874.9	814226.3	22.15518	113.96319	0.1	344.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 02:38:51	801873.8	814221.1	22.15517	113.96314	0.1	343.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 02:44:48	801877.1	814221.1	22.1552	113.96314	0.1	343.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 02:48:00	801878.2	814224.2	22.15521	113.96317	0.1	343.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 02:56:51	801873.8	814219.1	22.15517	113.96312	0	343.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 02:59:50	801877.1	814213.9	22.1552	113.96307	0	343.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 03:08:51	801873.8	814218	22.15517	113.96311	0.1	343.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 03:14:48	801874.9	814219.1	22.15518	113.96312	0	343.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 03:21:02	801872.7	814214.9	22.15516	113.96308	0.2	339	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 03:26:51	801872.7	814220.1	22.15516	113.96313	0	339.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 03:41:48	801869.3	814209.8	22.15513	113.96303	0	343.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 03:47:57	801877.1	814218	22.1552	113.96311	0.1	344	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 03:56:48	801876	814222.2	22.15519	113.96315	0.1	348.5	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 04:02:49	801866	814217	22.1551	113.9631	0.1	349	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 04:12:03	801871.6	814220.1	22.15515	113.96313	0.1	349	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 04:13:37	801870.4	814216	22.15514	113.96309	0.1	349	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 04:26:48	801872.7	814217	22.15516	113.9631	0	338.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 04:38:49	801866	814221.1	22.1551	113.96314	0.1	347.8	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 04:53:50	801873.8	814218	22.15517	113.96311	0.1	347.8	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 04:53:52	801873.8	814218	22.15517	113.96311	0.1	347.8	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 04:57:03	801873.8	814223.2	22.15517	113.96316	0.1	348	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 05:08:49	801873.8	814226.3	22.15517	113.96319	0.1	336.5	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 05:20:50	801874.9	814219.1	22.15518	113.96312	0.1	336.5	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 05:35:49	801873.8	814222.2	22.15517	113.96315	0.1	336.5	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 05:50:51	801873.8	814214.9	22.15517	113.96308	0.1	181.8	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 06:02:49	801873.8	814217	22.15517	113.9631	0	187.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 06:17:49	801878.2	814223.2	22.15521	113.96316	0.1	206.8	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 06:32:49	801881.5	814225.3	22.15524	113.96318	0.1	185.4	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 06:44:49	801877.1	814217	22.1552	113.9631	0	185.4	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 06:50:52	801879.3	814211.8	22.15522	113.96305	0	185	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 06:56:48	801877.1	814212.9	22.1552	113.96306	0.1	184.6	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	18-DEC-2020 06:59:48	801877.1	814223.2	22.1552	113.96316	0.1	184.6	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 07:05:49	801874.9	814218	22.15518	113.96311	0	184.6	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 07:14:48	801870.4	814218	22.15514	113.96311	0.1	202.1	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 07:29:49	801871.6	814219.1	22.15515	113.96312	0.1	202.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 07:44:50	801872.7	814214.9	22.15516	113.96308	0.1	202.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 07:51:02	801868.2	814219.1	22.15512	113.96312	0.1	203	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 07:59:48	801874.9	814222.2	22.15518	113.96315	0.1	199.5	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 08:11:48	801866	814216	22.1551	113.96309	0.1	193.4	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 08:14:48	801867.1	814219	22.15511	113.96312	0	193.4	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 08:14:58	801867.1	814219	22.15511	113.96312	0	193	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 08:29:49	801873.8	814222.2	22.15517	113.96315	0.1	193.4	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 08:44:57	801871.6	814214.9	22.15515	113.96308	0	193	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 08:51:02	801876	814223.2	22.15519	113.96316	0.1	193	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 08:56:50	801872.7	814210.8	22.15516	113.96304	0.1	193.4	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 09:02:57	801866	814227.3	22.1551	113.9632	0.1	193	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 09:08:49	801867.1	814220.1	22.15511	113.96313	0.1	193.4	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 09:17:49	801868.2	814222.1	22.15512	113.96315	0.1	196.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 09:20:49	801862.7	814214.9	22.15507	113.96308	0.1	196.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 09:20:58	801862.7	814214.9	22.15507	113.96308	0.1	196	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 09:32:49	801879.3	814221.1	22.15522	113.96314	0.1	196.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 09:47:49	801876	814221.1	22.15519	113.96314	0.1	196.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 09:47:58	801876	814221.1	22.15519	113.96314	0.1	196	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 09:56:49	801878.2	814220.1	22.15521	113.96313	0	196.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 10:05:49	801879.3	814221.1	22.15522	113.96314	0.1	196.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 10:08:49	801878.2	814217	22.15521	113.9631	0.1	196.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 10:20:49	801877.1	814214.9	22.1552	113.96308	0.1	196.3	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 10:29:49	801874.9	814219.1	22.15518	113.96312	0	202.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 10:32:49	801872.7	814212.9	22.15516	113.96306	0.1	202.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 10:38:51	801876	814223.2	22.15519	113.96316	0	203	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 10:41:49	801878.2	814224.2	22.15521	113.96317	0.1	202.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 10:46:26	801874.9	814209.8	22.15518	113.96303	0.1	202.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 10:56:49	801874.9	814211.8	22.15518	113.96305	0.1	202.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 10:59:48	801876	814212.9	22.15519	113.96306	0.1	203	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 11:08:50	801885.9	814217	22.15528	113.9631	0.1	202.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 11:15:06	801874.9	814216	22.15518	113.96309	0.1	203	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 11:20:56	801877.1	814213.9	22.1552	113.96307	0.1	202.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 11:29:49	801882.6	814222.2	22.15525	113.96315	0.1	202.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 11:30:08	801882.6	814222.2	22.15525	113.96315	0.1	203	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 11:41:49	801879.3	814210.8	22.15522	113.96304	0.1	202.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 11:57:03	801878.2	814219.1	22.15521	113.96312	0.1	203	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 12:11:49	801877.1	814220.1	22.1552	113.96313	0.1	202.9	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 12:21:06	801867.1	814221.1	22.15511	113.96314	0.1	203	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 12:26:49	801866	814220.1	22.1551	113.96313	0	185.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 12:39:05	801873.8	814214.9	22.15517	113.96308	0.1	185	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 12:47:48	801867.1	814229.4	22.15511	113.96322	0.1	185.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 12:53:54	801870.4	814222.1	22.15514	113.96315	0	185	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 12:59:56	801874.9	814219.1	22.15518	113.96312	0.1	185.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 13:09:01	801869.3	814218	22.15513	113.96311	0	185	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 13:14:48	801869.3	814214.9	22.15513	113.96308	0.1	185.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 13:26:49	801873.8	814222.2	22.15517	113.96315	0	185.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 13:41:49	801874.9	814221.1	22.15518	113.96314	0	185.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 13:56:51	801872.7	814220.1	22.15516	113.96313	0.1	185.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 14:02:51	801876	814221.1	22.15519	113.96314	0.1	185	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 14:11:49	801872.7	814220.1	22.15516	113.96313	0	185.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 14:11:54	801872.7	814220.1	22.15516	113.96313	0	185	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 14:26:48	801877.1	814225.3	22.1552	113.96318	0.1	185.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 14:32:59	801873.8	814218	22.15517	113.96311	0.1	185	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 14:41:49	801874.9	814219.1	22.15518	113.96312	0	185.2	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 14:42:05	801874.9	814219.1	22.15518	113.96312	0	185	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	18-DEC-2020 14:56:49	801867.1	814224.2	22.15511	113.96317	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 14:59:49	801862.7	814223.2	22.15507	113.96316	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 15:08:52	801861.6	814220.1	22.15506	113.96313	0.1	154	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 15:14:50	801860.5	814222.1	22.15505	113.96315	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 15:14:53	801860.5	814222.1	22.15505	113.96315	0	154	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 15:26:49	801862.7	814226.3	22.15507	113.96319	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 15:41:49	801867.1	814224.2	22.15511	113.96317	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 15:56:51	801873.8	814224.2	22.15517	113.96317	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 16:08:49	801872.6	814229.4	22.15516	113.96322	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 16:11:52	801873.8	814224.2	22.15517	113.96317	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 16:23:49	801874.9	814225.2	22.15518	113.96318	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 16:38:49	801876	814228.3	22.15519	113.96321	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 16:46:26	801877.1	814229.4	22.1552	113.96322	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 16:53:49	801876	814226.3	22.15519	113.96319	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 16:59:49	801884.8	814227.3	22.15527	113.9632	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 17:17:49	801880.4	814225.3	22.15523	113.96318	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 17:20:49	801888.1	814233.5	22.1553	113.96326	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 17:26:49	801878.2	814221.1	22.15521	113.96314	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 17:32:49	801871.5	814224.2	22.15515	113.96317	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 17:38:49	801878.2	814223.2	22.15521	113.96316	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 17:47:49	801877.1	814224.2	22.1552	113.96317	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 18:05:49	801872.7	814225.2	22.15516	113.96318	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 18:17:49	801882.6	814222.2	22.15525	113.96315	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 18:29:49	801883.7	814216	22.15526	113.96309	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 18:41:49	801868.2	814219.1	22.15512	113.96312	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 18:47:49	801874.9	814226.3	22.15518	113.96319	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 19:02:49	801870.4	814216	22.15514	113.96309	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 19:17:48	801869.3	814213.9	22.15513	113.96307	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 19:26:48	801874.9	814217	22.15518	113.9631	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 19:38:48	801876	814218	22.15519	113.96311	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 19:47:49	801868.2	814218	22.15512	113.96311	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 19:50:49	801876	814224.2	22.15519	113.96317	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 20:02:49	801867.1	814225.2	22.15511	113.96318	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 20:17:54	801870.4	814219.1	22.15514	113.96312	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 20:35:49	801868.2	814226.3	22.15512	113.96319	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 20:47:49	801874.9	814232.5	22.15518	113.96325	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 20:53:49	801874.9	814227.3	22.15518	113.9632	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 21:02:48	801873.8	814223.2	22.15517	113.96316	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 21:08:49	801871.5	814224.2	22.15515	113.96317	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 21:11:48	801874.9	814228.3	22.15518	113.96321	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 21:23:49	801872.7	814222.2	22.15516	113.96315	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 21:38:48	801880.4	814225.3	22.15523	113.96318	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 21:56:48	801879.3	814223.2	22.15522	113.96316	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 22:08:49	801876	814222.2	22.15519	113.96315	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 22:29:49	801876	814228.3	22.15519	113.96321	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 22:29:53	801876	814228.3	22.15519	113.96321	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 22:53:49	801872.6	814227.3	22.15516	113.9632	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 23:08:53	801873.8	814223.2	22.15517	113.96316	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 23:17:53	801878.2	814226.3	22.15521	113.96319	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 23:24:01	801877.1	814225.3	22.1552	113.96318	0	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 23:32:53	801871.5	814225.2	22.15515	113.96318	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 23:38:55	801871.5	814225.2	22.15515	113.96318	0.1	154	ShipXY
LAN JIANG	Crane Barge	18-DEC-2020 23:41:53	801870.4	814221.1	22.15514	113.96314	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 00:05:49	801874.9	814224.2	22.15518	113.96317	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 01:02:53	801873.8	814223.2	22.15517	113.96316	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 01:14:53	801869.3	814211.8	22.15513	113.96305	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 01:20:53	801873.8	814219.1	22.15517	113.96312	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 01:38:53	801874.9	814223.2	22.15518	113.96316	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 01:50:53	801870.4	814224.2	22.15514	113.96317	0	153.7	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	19-DEC-2020 01:53:48	801868.2	814224.2	22.15512	113.96317	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 02:08:49	801872.6	814226.3	22.15516	113.96319	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 02:12:05	801871.5	814224.2	22.15515	113.96317	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 02:23:48	801874.9	814222.2	22.15518	113.96315	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 02:30:02	801873.8	814226.3	22.15517	113.96319	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 02:36:00	801871.5	814227.3	22.15515	113.9632	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 02:53:49	801879.3	814228.3	22.15522	113.96321	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 03:02:54	801872.7	814222.2	22.15516	113.96315	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 03:08:54	801880.4	814224.2	22.15523	113.96317	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 03:14:54	801871.5	814225.2	22.15515	113.96318	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 03:20:54	801869.3	814224.2	22.15513	113.96317	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 03:32:54	801864.9	814223.2	22.15509	113.96316	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 03:38:54	801876	814227.3	22.15519	113.9632	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 03:44:54	801878.2	814231.4	22.15521	113.96324	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 03:48:06	801874.9	814227.3	22.15518	113.9632	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 03:56:54	801876	814225.3	22.15519	113.96318	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 04:00:04	801867.1	814223.2	22.15511	113.96316	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 04:12:06	801872.7	814225.2	22.15516	113.96318	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 04:20:54	801871.5	814224.2	22.15515	113.96317	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 04:26:49	801871.5	814225.2	22.15515	113.96318	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 04:41:49	801869.3	814226.3	22.15513	113.96319	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 04:44:54	801873.8	814220.1	22.15517	113.96313	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 04:50:54	801871.5	814224.2	22.15515	113.96317	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 04:59:49	801874.9	814223.2	22.15518	113.96316	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 05:03:06	801878.2	814225.3	22.15521	113.96318	0	154	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 05:08:54	801876	814222.2	22.15519	113.96315	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 05:14:49	801873.8	814224.2	22.15517	113.96317	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 05:14:54	801873.8	814224.2	22.15517	113.96317	0.1	154	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 05:29:49	801872.7	814223.2	22.15516	113.96316	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 05:38:54	801874.9	814232.5	22.15518	113.96325	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 05:44:49	801876	814225.3	22.15519	113.96318	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 05:50:54	801872.7	814223.2	22.15516	113.96316	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 05:59:49	801873.8	814225.2	22.15517	113.96318	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 06:08:58	801874.9	814228.3	22.15518	113.96321	0	154	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 06:11:49	801874.9	814226.3	22.15518	113.96319	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 06:15:04	801878.2	814223.2	22.15521	113.96316	0.1	154	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 06:26:54	801876	814224.2	22.15519	113.96317	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 06:30:01	801879.3	814227.3	22.15522	113.9632	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 06:38:54	801879.3	814223.2	22.15522	113.96316	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 06:42:06	801879.3	814220.1	22.15522	113.96313	0	154	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 06:50:54	801883.7	814216	22.15526	113.96309	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 06:53:49	801876	814219.1	22.15519	113.96312	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 07:03:05	801874.9	814218	22.15518	113.96311	0.1	154	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 07:08:49	801873.8	814225.2	22.15517	113.96318	0.1	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 07:14:54	801872.7	814219.1	22.15516	113.96312	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 07:23:49	801870.4	814234.5	22.15514	113.96327	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 07:27:06	801867.1	814223.2	22.15511	113.96316	0.1	154	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 07:38:49	801869.3	814225.2	22.15513	113.96318	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 07:42:01	801869.3	814225.2	22.15513	113.96318	0	154	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 07:53:49	801870.4	814225.2	22.15514	113.96318	0	153.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 07:53:56	801870.4	814225.2	22.15514	113.96318	0	154	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 08:11:49	801867.1	814224.2	22.15511	113.96317	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 08:18:02	801873.8	814223.2	22.15517	113.96316	0	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 08:27:06	801866	814213.9	22.1551	113.96307	0	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 08:29:48	801866	814227.3	22.1551	113.9632	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 08:38:55	801869.3	814213.9	22.15513	113.96307	0.1	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 08:44:54	801871.6	814219.1	22.15515	113.96312	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 08:53:48	801878.2	814226.3	22.15521	113.96319	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 08:56:54	801869.3	814223.2	22.15513	113.96316	0	198.8	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	19-DEC-2020 09:02:49	801873.8	814221.1	22.15517	113.96314	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 09:08:52	801874.9	814228.3	22.15518	113.96321	0.1	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 09:11:49	801871.6	814219.1	22.15515	113.96312	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 09:20:54	801880.4	814219.1	22.15523	113.96312	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 09:26:54	801876	814222.2	22.15519	113.96315	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 09:35:48	801876	814222.2	22.15519	113.96315	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 09:35:57	801876	814222.2	22.15519	113.96315	0	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 09:41:56	801873.8	814223.2	22.15517	113.96316	0.1	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 09:50:54	801874.9	814224.2	22.15518	113.96317	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 09:56:54	801874.9	814226.3	22.15518	113.96319	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 10:02:54	801879.3	814223.2	22.15522	113.96316	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 10:06:06	801880.4	814222.2	22.15523	113.96315	0	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 10:14:49	801873.8	814221.1	22.15517	113.96314	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 10:26:54	801879.3	814222.2	22.15522	113.96315	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 10:36:06	801871.5	814224.2	22.15515	113.96317	0.1	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 10:41:49	801879.3	814218	22.15522	113.96311	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 10:42:03	801879.3	814218	22.15522	113.96311	0.1	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 10:56:50	801873.8	814219.1	22.15517	113.96312	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 11:02:54	801876	814220.1	22.15519	113.96313	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 11:11:49	801877.1	814223.2	22.1552	113.96316	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 11:18:04	801881.5	814219.1	22.15524	113.96312	0.1	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 11:26:49	801877.1	814218	22.1552	113.96311	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 11:41:49	801878.2	814220.1	22.15521	113.96313	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 11:44:54	801878.2	814218	22.15521	113.96311	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 11:50:54	801876	814223.2	22.15519	113.96316	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 11:53:49	801876	814226.3	22.15519	113.96319	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 12:00:07	801876	814220.1	22.15519	113.96313	0.1	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 12:08:50	801877.1	814222.2	22.1552	113.96315	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 12:09:02	801877.1	814222.2	22.1552	113.96315	0.1	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 12:23:49	801872.6	814227.3	22.15516	113.9632	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 12:26:54	801878.2	814221.1	22.15521	113.96314	0	198.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 12:29:55	801874.9	814214.9	22.15518	113.96308	0.1	199	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 12:39:06	801878.2	814225.3	22.15521	113.96318	0.1	339	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 12:44:54	801881.5	814227.3	22.15524	113.9632	0	339.1	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 12:50:54	801873.8	814226.3	22.15517	113.96319	0	339.1	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 12:56:54	801879.3	814225.3	22.15522	113.96318	0	339.1	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 13:11:49	801871.5	814223.2	22.15515	113.96316	0.1	274.2	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 13:15:06	801877.1	814221.1	22.1552	113.96314	0.1	274	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 13:27:04	801874.9	814217	22.15518	113.9631	0.1	274	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 13:32:55	801876	814214.9	22.15519	113.96308	0.1	274	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 13:41:49	801870.5	814211.8	22.15514	113.96305	0.1	274.2	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 13:45:06	801874.9	814213.9	22.15518	113.96307	0.1	274	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 13:59:49	801874.9	814225.2	22.15518	113.96318	0.1	274.2	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 14:03:06	801873.8	814220.1	22.15517	113.96313	0.1	274	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 14:11:50	801879.3	814225.3	22.15522	113.96318	0.1	274.2	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 14:14:53	801876	814226.3	22.15519	113.96319	0.1	274	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 14:24:06	801879.3	814226.3	22.15522	113.96319	0.1	274	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 14:29:49	801878.2	814222.2	22.15521	113.96315	0.1	274.2	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 14:44:49	801881.5	814225.3	22.15524	113.96318	0.1	314.6	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 14:48:07	801876	814228.3	22.15519	113.96321	0.1	315	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 14:56:55	801874.9	814223.2	22.15518	113.96316	0.1	344	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 15:05:55	801871.5	814221.1	22.15515	113.96314	0	336.6	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 15:06:04	801871.5	814221.1	22.15515	113.96314	0	337	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 15:14:49	801873.8	814228.3	22.15517	113.96321	0.1	336.6	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 15:14:54	801873.8	814228.3	22.15517	113.96321	0.1	336.6	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 15:29:49	801877.1	814224.2	22.1552	113.96317	0.1	333.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 15:30:05	801877.1	814224.2	22.1552	113.96317	0.1	334	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 15:31:02	801871.6	814219.1	22.15515	113.96312	0	334	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 15:47:49	801871.5	814227.3	22.15515	113.9632	0	336	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	19-DEC-2020 15:48:03	801871.5	814227.3	22.15515	113.9632	0	336	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 16:02:49	801873.8	814229.4	22.15517	113.96322	0.1	336	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 16:03:05	801873.8	814229.4	22.15517	113.96322	0.1	336	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 16:20:55	801873.8	814226.3	22.15517	113.96319	0.1	336	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 16:33:07	801873.8	814228.3	22.15517	113.96321	0	339	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 16:41:53	801874.9	814228.3	22.15518	113.96321	0.1	339	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 16:48:06	801877.1	814227.3	22.1552	113.9632	0	339	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 16:53:54	801882.6	814230.4	22.15525	113.96323	0.1	337	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 16:56:57	801880.4	814229.4	22.15523	113.96322	0.1	337	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 17:06:04	801880.4	814228.4	22.15523	113.96321	0	341	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 17:20:49	801879.3	814228.3	22.15522	113.96321	0	340.9	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 17:24:05	801876	814228.3	22.15519	113.96321	0.1	341	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 17:36:07	801877.1	814229.4	22.1552	113.96322	0	341	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 17:47:49	801879.3	814226.3	22.15522	113.96319	0.1	346.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 17:50:58	801876	814224.2	22.15519	113.96317	0.1	347	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 17:54:06	801880.4	814213.9	22.15523	113.96307	0.1	347	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 18:02:56	801879.3	814227.3	22.15522	113.9632	0.1	342	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 18:08:48	801877.1	814229.4	22.1552	113.96322	0.1	342	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 18:12:07	801878.2	814221.1	22.15521	113.96314	0	342	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 18:17:56	801876	814225.3	22.15519	113.96318	0	342	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 18:30:05	801877.1	814219.1	22.1552	113.96312	0.1	347	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 18:39:01	801868.2	814223.2	22.15512	113.96316	0.1	358.4	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 18:47:48	801879.3	814223.2	22.15522	113.96316	0.1	332.9	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 18:59:49	801872.7	814220.1	22.15516	113.96313	0.1	319.1	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 19:05:55	801873.8	814223.2	22.15517	113.96316	0.1	320	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 19:12:04	801872.7	814217	22.15516	113.9631	0	320	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 19:20:48	801880.4	814210.8	22.15523	113.96304	0.1	202.6	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 19:20:55	801880.4	814210.8	22.15523	113.96304	0.1	203	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 19:26:55	801879.3	814214.9	22.15522	113.96308	0	203	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 19:29:57	801874.9	814221.1	22.15518	113.96314	0.1	203	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 19:44:49	801871.6	814220.1	22.15515	113.96313	0.1	195.9	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 19:54:02	801877.1	814227.3	22.1552	113.9632	0	183	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 20:02:49	801869.3	814220.1	22.15513	113.96313	0.1	182	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 20:20:49	801873.8	814224.2	22.15517	113.96317	0.1	176.1	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 20:33:06	801871.5	814226.3	22.15515	113.96319	0.1	176.1	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 20:50:49	801876	814225.3	22.15519	113.96318	0.1	192.5	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 21:08:49	801876	814228.3	22.15519	113.96321	0.1	195.5	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 21:11:55	801870.4	814221.1	22.15514	113.96314	0.1	193.3	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 21:32:49	801877.1	814225.3	22.1552	113.96318	0.1	193.3	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 21:50:49	801872.6	814229.4	22.15516	113.96322	0.1	193.3	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 22:08:49	801877.1	814224.2	22.1552	113.96317	0.1	179.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 22:11:55	801877.1	814222.2	22.1552	113.96315	0.1	179.7	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 22:29:48	801868.2	814222.1	22.15512	113.96315	0.1	179.6	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 22:36:02	801872.6	814227.3	22.15516	113.9632	0	184.4	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 22:41:49	801872.7	814225.2	22.15516	113.96318	0.1	184.4	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 22:56:48	801871.6	814219.1	22.15515	113.96312	0.1	175.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 23:08:49	801869.3	814223.2	22.15513	113.96316	0.1	181.5	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 23:11:55	801872.6	814227.3	22.15516	113.9632	0.1	181.5	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 23:26:48	801870.4	814225.2	22.15514	113.96318	0.1	174.9	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 23:41:48	801870.4	814226.3	22.15514	113.96319	0.1	182.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 23:48:05	801870.4	814220.1	22.15514	113.96313	0.1	188.8	ShipXY
LAN JIANG	Crane Barge	19-DEC-2020 23:59:55	801873.8	814223.2	22.15517	113.96316	0.1	198.8	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 00:11:48	801871.6	814217	22.15515	113.9631	0.1	251	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 00:11:55	801871.6	814217	22.15515	113.9631	0.1	251	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 00:26:49	801881.5	814218	22.15524	113.96311	0.1	345.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 00:41:56	801873.8	814222.2	22.15517	113.96315	0.2	340.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 00:47:55	801874.9	814220.1	22.15518	113.96313	0.1	349.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 01:02:49	801874.9	814221.1	22.15518	113.96314	0.1	343.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 01:20:49	801871.5	814222.1	22.15515	113.96315	0.1	356.8	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	20-DEC-2020 01:26:55	801868.2	814225.2	22.15512	113.96318	0.1	353	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 01:38:49	801879.3	814223.2	22.15522	113.96316	0.1	358.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 01:47:56	801868.2	814222.1	22.15512	113.96315	0.1	10.8	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 01:59:56	801866	814222.1	22.1551	113.96315	0.2	351.1	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 02:05:55	801872.6	814226.3	22.15516	113.96319	0.1	340.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 02:14:49	801872.6	814230.4	22.15516	113.96323	0.2	342.8	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 02:29:49	801878.2	814230.4	22.15521	113.96323	0.1	346.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 02:44:49	801876	814232.5	22.15519	113.96325	0.2	345.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 03:02:49	801878.2	814229.4	22.15521	113.96322	0.1	341.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 03:17:49	801871.5	814226.3	22.15515	113.96319	0.1	338.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 03:32:49	801874.9	814222.2	22.15518	113.96315	0.1	342.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 03:50:49	801867.1	814226.3	22.15511	113.96319	0.1	328.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 04:05:49	801868.2	814228.3	22.15512	113.96321	0.1	335.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 04:20:48	801870.4	814224.2	22.15514	113.96317	0.2	346.3	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 04:32:49	801872.7	814224.2	22.15516	113.96317	0.1	342	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 04:35:55	801872.6	814226.3	22.15516	113.96319	0.1	333.9	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 04:50:48	801874.9	814221.1	22.15518	113.96314	0.1	344.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 05:02:49	801877.1	814226.3	22.1552	113.96319	0.1	331.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 05:05:56	801876	814224.2	22.15519	113.96317	0.1	349.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 05:17:49	801876	814224.2	22.15519	113.96317	0.1	358.9	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 05:32:49	801878.2	814227.3	22.15521	113.9632	0.1	355	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 05:50:49	801872.7	814221.1	22.15516	113.96314	0.1	345	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 06:05:49	801878.2	814234.5	22.15521	113.96327	0.1	345.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 06:20:49	801879.3	814225.3	22.15522	113.96318	0	359.3	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 06:20:56	801878.2	814225.3	22.15521	113.96318	0	359.3	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 06:41:56	801877.1	814211.8	22.1552	113.96305	0.2	342.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 06:56:49	801874.9	814220.1	22.15518	113.96313	0.1	232.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 07:11:48	801869.3	814220.1	22.15513	113.96313	0.1	189.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 07:26:49	801867.1	814224.2	22.15511	113.96317	0.1	194.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 07:35:56	801873.8	814229.4	22.15517	113.96322	0.2	183.8	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 07:41:49	801870.4	814227.3	22.15514	113.9632	0.1	182.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 07:41:56	801870.4	814227.3	22.15514	113.9632	0.1	182.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 07:56:50	801870.4	814226.3	22.15514	113.96319	0.1	186.2	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 08:11:49	801872.6	814226.3	22.15516	113.96319	0.1	192.9	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 08:11:56	801872.6	814227.3	22.15516	113.9632	0.1	192.9	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 08:26:49	801871.6	814213.9	22.15515	113.96307	0.1	189.3	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 08:41:50	801872.7	814219.1	22.15516	113.96312	0.2	193.9	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 08:56:50	801870.4	814227.3	22.15514	113.9632	0.1	190.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 09:05:57	801872.6	814240.7	22.15516	113.96333	0.1	169.2	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 09:14:51	801870.4	814220.1	22.15514	113.96313	0.1	194.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 09:29:48	801877.1	814222.2	22.1552	113.96315	0.1	184	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 09:41:56	801876	814225.3	22.15519	113.96318	0.1	189	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 09:44:49	801873.8	814227.3	22.15517	113.9632	0.1	189.2	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 09:59:50	801881.5	814223.2	22.15524	113.96316	0.1	179.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 10:14:49	801881.5	814222.2	22.15524	113.96315	0.1	175.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 10:14:56	801880.4	814220.1	22.15523	113.96313	0.1	175.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 10:29:49	801880.4	814221.1	22.15523	113.96314	0.1	184	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 10:44:49	801878.2	814221.1	22.15521	113.96314	0.1	183.2	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 10:44:56	801878.2	814221.1	22.15521	113.96314	0.1	183.2	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 11:02:49	801881.5	814218	22.15524	113.96311	0.1	177.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 11:23:49	801884.8	814217	22.15527	113.9631	0.1	174.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 11:26:57	801878.2	814217	22.15521	113.9631	0.1	171.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 11:35:56	801877.1	814219.1	22.1552	113.96312	0.2	187.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 11:50:50	801871.5	814227.3	22.15515	113.9632	0.1	179.9	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 12:08:49	801874.9	814225.2	22.15518	113.96318	0.1	178.9	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 12:23:57	801874.9	814219.1	22.15518	113.96312	0.1	183.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 12:26:49	801874.9	814222.2	22.15518	113.96315	0.3	193.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 12:44:49	801874.9	814229.4	22.15518	113.96322	0.2	196.2	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 12:59:57	801869.3	814225.2	22.15513	113.96318	0.1	186.8	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	20-DEC-2020 13:17:57	801876	814226.3	22.15519	113.96319	0.1	188.1	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 13:32:49	801873.8	814229.4	22.15517	113.96322	0.1	184.8	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 13:41:57	801874.9	814219.1	22.15518	113.96312	0.1	194.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 13:51:05	801876	814216	22.15519	113.96309	0.1	192	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 14:03:10	801878.2	814224.2	22.15521	113.96317	0.1	184	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 14:05:49	801877.1	814227.3	22.1552	113.9632	0.1	195.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 14:11:57	801878.2	814225.3	22.15521	113.96318	0.1	196.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 14:20:49	801876	814219.1	22.15519	113.96312	0.2	194.1	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 14:21:09	801876	814219.1	22.15519	113.96312	0.2	194	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 14:29:57	801877.1	814227.3	22.1552	113.9632	0.1	196.8	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 14:39:11	801874.9	814227.3	22.15518	113.9632	0.1	201	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 14:41:57	801879.3	814224.2	22.15522	113.96317	0.1	185.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 14:51:26	801870.4	814219.1	22.15514	113.96312	0.1	185.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 14:54:06	801871.5	814224.2	22.15515	113.96317	0.1	183	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 15:00:09	801869.3	814228.3	22.15513	113.96321	0	185	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 15:08:58	801870.4	814221.1	22.15514	113.96314	0.1	186.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 15:17:51	801868.2	814228.3	22.15512	113.96321	0.1	185.9	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 15:27:18	801867.1	814222.1	22.15511	113.96315	0.1	203	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 15:35:50	801872.6	814230.4	22.15516	113.96323	0.1	186	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 15:50:49	801867.1	814221.1	22.15511	113.96314	0.1	181.1	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 15:54:07	801868.2	814222.1	22.15512	113.96315	0.2	189	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 16:06:04	801867.1	814223.2	22.15511	113.96316	0.1	174	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 16:11:58	801871.5	814228.3	22.15515	113.96321	0.2	172	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 16:20:50	801871.5	814231.4	22.15515	113.96324	0.1	191.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 16:20:57	801871.5	814231.4	22.15515	113.96324	0.1	191.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 16:32:50	801872.6	814227.3	22.15516	113.9632	0	184.3	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 16:33:00	801872.6	814227.3	22.15516	113.9632	0	184	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 16:42:11	801872.6	814227.3	22.15516	113.9632	0.1	177	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 16:47:50	801872.6	814231.4	22.15516	113.96324	0.1	194.1	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 16:59:50	801869.3	814234.5	22.15513	113.96327	0.1	185	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 17:06:06	801872.6	814226.3	22.15516	113.96319	0.2	190.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 17:15:09	801874.9	814225.2	22.15518	113.96318	0.1	179	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 17:23:50	801870.4	814224.2	22.15514	113.96317	0.1	175.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 17:29:56	801873.8	814224.2	22.15517	113.96317	0.1	191.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 17:38:49	801869.3	814223.2	22.15513	113.96316	0	186.1	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 17:41:56	801871.5	814227.3	22.15515	113.9632	0.2	173.9	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 17:53:59	801874.9	814230.4	22.15518	113.96323	0.1	185	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 18:08:49	801883.7	814224.2	22.15526	113.96317	0.1	188.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 18:23:49	801878.2	814225.3	22.15521	113.96318	0.1	184.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 18:24:07	801878.2	814225.3	22.15521	113.96318	0.1	185	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 18:32:58	801877.1	814227.3	22.1552	113.9632	0.1	181	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 18:38:50	801876	814229.4	22.15519	113.96322	0.1	180.9	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 18:38:52	801876	814229.4	22.15519	113.96322	0.1	181	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 18:48:09	801873.8	814220.1	22.15517	113.96313	0.1	187	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 18:53:49	801877.1	814219.1	22.1552	113.96312	0.1	186.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 18:55:25	801874.9	814223.2	22.15518	113.96316	0.1	189.2	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 19:08:49	801876	814218	22.15519	113.96311	0.1	190.6	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 19:21:04	801878.2	814219.1	22.15521	113.96312	0.1	189	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 19:23:51	801874.9	814223.2	22.15518	113.96316	0.2	205.8	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 19:27:13	801874.9	814222.2	22.15518	113.96315	0.1	191	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 19:38:49	801874.9	814217	22.15518	113.9631	0.2	178.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 19:42:10	801873.8	814226.3	22.15517	113.96319	0.1	181	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 19:48:02	801871.5	814225.2	22.15515	113.96318	0.1	173	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 19:53:49	801867.1	814230.4	22.15511	113.96323	0.1	184.4	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 20:03:03	801871.5	814235.6	22.15515	113.96328	0.1	170	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 20:14:58	801872.6	814235.6	22.15516	113.96328	0	181	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 20:18:05	801872.7	814222.2	22.15516	113.96315	0.1	185	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 20:26:50	801868.2	814229.4	22.15512	113.96322	0.1	158.2	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 20:30:10	801873.8	814226.3	22.15517	113.96319	0.2	180	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	20-DEC-2020 20:41:49	801871.5	814234.5	22.15515	113.96327	0.1	187.3	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 20:51:00	801872.6	814229.4	22.15516	113.96322	0.2	181	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 20:56:58	801874.9	814223.2	22.15518	113.96316	0.2	193	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 21:12:00	801870.4	814230.4	22.15514	113.96323	0.1	179	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 21:23:49	801876	814232.5	22.15519	113.96325	0.1	162.3	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 21:33:14	801872.7	814223.2	22.15516	113.96316	0.2	186	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 21:38:49	801873.8	814225.2	22.15517	113.96318	0.1	197	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 21:45:06	801876	814227.3	22.15519	113.9632	0.2	182	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 21:47:56	801879.3	814227.3	22.15522	113.9632	0.1	180.5	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 21:54:18	801878.2	814226.3	22.15521	113.96319	0.1	186	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 22:06:04	801879.3	814226.3	22.15522	113.96319	0.2	186	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 22:15:10	801877.1	814226.3	22.1552	113.96319	0.1	185	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 22:17:57	801872.7	814223.2	22.15516	113.96316	0.1	177	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 22:21:07	801872.6	814229.4	22.15516	113.96322	0.2	185	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 22:32:50	801870.4	814228.3	22.15514	113.96321	0.1	180.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 22:33:05	801870.4	814228.3	22.15514	113.96321	0.1	181	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 22:35:57	801874.9	814227.3	22.15518	113.9632	0.1	181.3	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 22:47:57	801879.3	814227.3	22.15522	113.9632	0.1	187.2	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 22:54:00	801874.9	814223.2	22.15518	113.96316	0.1	172	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 23:02:49	801876	814220.1	22.15519	113.96313	0.1	197.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 23:15:03	801873.8	814228.3	22.15517	113.96321	0.1	185	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 23:17:49	801873.8	814225.2	22.15517	113.96318	0.1	170.7	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 23:32:50	801868.2	814229.4	22.15512	113.96322	0.1	175.3	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 23:35:58	801874.9	814229.4	22.15518	113.96322	0.2	185.1	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 23:51:06	801877.1	814225.3	22.1552	113.96318	0.1	189	ShipXY
LAN JIANG	Crane Barge	20-DEC-2020 23:59:57	801870.4	814225.2	22.15514	113.96318	0.1	209.2	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 00:11:57	801876	814226.3	22.15519	113.96319	0.1	193.1	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 00:14:50	801876	814222.2	22.15519	113.96315	0.2	180.5	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 00:17:58	801872.6	814226.3	22.15516	113.96319	0.1	194.4	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 00:29:57	801873.8	814226.3	22.15517	113.96319	0	211	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 00:38:55	801879.3	814225.3	22.15522	113.96318	0.1	227	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 00:41:50	801872.7	814224.2	22.15516	113.96317	0.1	200.6	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 00:56:51	801873.8	814220.1	22.15517	113.96313	0.1	193.9	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 01:03:01	801876	814229.4	22.15519	113.96322	0.1	174	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 01:12:02	801873.8	814222.2	22.15517	113.96315	0.2	179.6	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 01:21:01	801870.4	814222.1	22.15514	113.96315	0.2	181	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 01:23:50	801868.2	814226.3	22.15512	113.96319	0.1	186.3	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 01:26:57	801870.4	814219.1	22.15514	113.96312	0.2	179.7	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 01:38:56	801871.6	814219.1	22.15515	113.96312	0.1	187	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 01:41:50	801880.4	814228.4	22.15523	113.96321	0.1	173.5	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 01:56:53	801870.4	814223.2	22.15514	113.96316	0.2	175.5	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 02:11:58	801872.6	814227.3	22.15516	113.9632	0.1	185.6	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 02:12:08	801872.6	814227.3	22.15516	113.9632	0.1	186	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 02:17:53	801872.7	814223.2	22.15516	113.96316	0.1	191	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 02:26:49	801876	814239.7	22.15519	113.96332	0.1	173.9	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 02:38:50	801877.1	814229.4	22.1552	113.96322	0.2	179.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 02:41:59	801881.5	814235.6	22.15524	113.96328	0.2	176	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 02:50:57	801878.2	814222.2	22.15521	113.96315	0.2	210.2	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 02:51:07	801878.2	814222.2	22.15521	113.96315	0.2	210	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 03:02:59	801879.3	814229.4	22.15522	113.96322	0.2	193	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 03:06:11	801873.8	814230.4	22.15517	113.96323	0.1	157	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 03:11:57	801878.2	814225.3	22.15521	113.96318	0.2	175.6	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 03:20:49	801873.8	814225.2	22.15517	113.96318	0.1	188.1	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 03:24:10	801870.4	814228.3	22.15514	113.96321	0.2	171	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 03:32:50	801874.9	814227.3	22.15518	113.9632	0.1	189	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 03:44:56	801880.4	814230.4	22.15523	113.96323	0.1	198	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 03:47:58	801874.9	814231.4	22.15518	113.96324	0.1	187.3	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 04:02:50	801880.4	814228.4	22.15523	113.96321	0.1	185.6	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 04:09:17	801872.6	814231.4	22.15516	113.96324	0.2	176	ShipXY

**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	21-DEC-2020 04:14:50	801873.8	814225.2	22.15517	113.96318	0.2	182.6	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 04:27:08	801871.5	814222.1	22.15515	113.96315	0.1	193	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 04:29:57	801873.8	814227.3	22.15517	113.9632	0.1	188	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 04:44:53	801876	814227.3	22.15519	113.9632	0.1	179	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 04:48:10	801872.6	814226.3	22.15516	113.96319	0.1	185	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 04:56:49	801872.7	814225.2	22.15516	113.96318	0.1	184.1	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 05:09:04	801876	814224.2	22.15519	113.96317	0.2	181	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 05:14:49	801872.6	814226.3	22.15516	113.96319	0.2	189.3	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 05:17:49	801881.5	814226.3	22.15524	113.96319	0.3	183.3	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 05:23:58	801872.7	814224.2	22.15516	113.96317	0.1	170.2	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 05:35:58	801880.4	814226.3	22.15523	113.96319	0.1	178.4	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 05:47:50	801877.1	814225.3	22.1552	113.96318	0.1	171	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 05:53:58	801882.6	814227.3	22.15525	113.9632	0.1	174.5	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 06:02:49	801877.1	814226.3	22.1552	113.96319	0.1	177.4	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 06:09:08	801882.6	814228.4	22.15525	113.96321	0.1	182	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 06:14:49	801871.5	814227.3	22.15515	113.9632	0.3	168.5	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 06:23:58	801877.1	814232.5	22.1552	113.96325	0.1	179	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 06:32:49	801882.6	814224.2	22.15525	113.96317	0.1	179	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 06:36:01	801877.1	814222.2	22.1552	113.96315	0.1	186.6	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 06:41:58	801877.1	814219.1	22.1552	113.96312	0.1	187.1	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 06:47:49	801883.7	814224.2	22.15526	113.96317	0.1	201.9	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 06:56:59	801866	814224.2	22.1551	113.96317	0.2	190.2	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 06:59:52	801868.2	814223.2	22.15512	113.96316	0.2	182.1	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 07:03:07	801877.1	814231.4	22.1552	113.96324	0.1	193	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 07:15:14	801873.8	814228.3	22.15517	113.96321	0.1	185	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 07:27:03	801873.8	814228.3	22.15517	113.96321	0.1	167.4	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 07:33:09	801870.4	814227.3	22.15514	113.9632	0.1	179	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 07:42:02	801874.9	814228.3	22.15518	113.96321	0.1	181.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 07:45:00	801870.4	814229.4	22.15514	113.96322	0.2	188	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 07:53:50	801869.3	814226.3	22.15513	113.96319	0.1	188.7	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 08:08:49	801871.5	814226.3	22.15515	113.96319	0.2	183.1	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 08:15:13	801871.5	814226.3	22.15515	113.96319	0.1	193	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 08:29:49	801873.8	814219.1	22.15517	113.96312	0	186.2	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 08:36:00	801872.6	814230.4	22.15516	113.96323	0.2	174.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 08:41:50	801873.8	814224.2	22.15517	113.96317	0.1	181.3	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 08:41:58	801873.8	814224.2	22.15517	113.96317	0.1	181.3	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 08:53:53	801871.5	814221.1	22.15515	113.96314	0.1	174.7	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 09:02:49	801867.1	814230.4	22.15511	113.96323	0.3	166.1	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 09:14:50	801870.4	814224.2	22.15514	113.96317	0.1	197.3	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 09:21:12	801880.4	814229.4	22.15523	113.96322	0.1	206	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 09:29:50	801876	814226.3	22.15519	113.96319	0.1	178.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 09:44:50	801876	814225.3	22.15519	113.96318	0.1	172.9	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 09:48:00	801873.8	814227.3	22.15517	113.9632	0.1	185	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 09:54:06	801877.1	814225.3	22.1552	113.96318	0.2	181	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 10:00:14	801880.4	814225.3	22.15523	113.96318	0.2	181	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 10:11:50	801881.5	814224.2	22.15524	113.96317	0.1	187.4	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 10:17:56	801876	814223.2	22.15519	113.96316	0.1	193	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 10:26:50	801879.3	814225.3	22.15522	113.96318	0.1	189.2	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 10:28:08	801884.8	814229.4	22.15527	113.96322	0.1	168.4	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 10:45:12	801881.5	814224.2	22.15524	113.96317	0.1	182	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 10:56:50	801884.8	814224.2	22.15527	113.96317	0.1	187	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 11:00:12	801882.6	814230.4	22.15525	113.96323	0.1	195	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 11:11:50	801881.5	814223.2	22.15524	113.96316	0.1	186.5	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 11:18:01	801878.2	814228.3	22.15521	113.96321	0.1	182	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 11:24:12	801879.3	814228.3	22.15522	113.96321	0.1	183	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 11:38:50	801878.2	814230.4	22.15521	113.96323	0.1	170.3	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 11:42:15	801874.9	814227.3	22.15518	113.9632	0.2	182	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 11:50:59	801879.3	814228.3	22.15522	113.96321	0.2	172.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 12:03:06	801872.7	814224.2	22.15516	113.96317	0.1	177	ShipXY



**Lan Jiang (Crane Barge)**  
**Historical data records (11-21 DEC 2020 )**

Vessel Name	Type of Vessel	Report time	Northing	Easting	Latitude	Longitude	Knots	COG	Source
LAN JIANG	Crane Barge	21-DEC-2020 12:05:50	801873.8	814226.3	22.15517	113.96319	0.1	172.9	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 12:06:11	801873.8	814226.3	22.15517	113.96319	0.1	173	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 12:20:50	801872.7	814220.1	22.15516	113.96313	0.1	180.5	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 12:21:13	801872.7	814220.1	22.15516	113.96313	0.1	181	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 12:36:00	801879.3	814235.6	22.15522	113.96328	0.2	170	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 12:45:07	801879.3	814229.4	22.15522	113.96322	0.2	195	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 12:47:50	801877.1	814231.4	22.1552	113.96324	0.1	188.6	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 12:54:13	801876	814233.5	22.15519	113.96326	0.1	180	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 13:02:49	801872.6	814231.4	22.15516	113.96324	0.1	189.5	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 13:03:05	801872.6	814231.4	22.15516	113.96324	0.1	190	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 13:20:50	801880.4	814228.4	22.15523	113.96321	0.1	183.4	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 13:23:56	801876	814231.4	22.15519	113.96324	0	185	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 13:27:00	801879.3	814231.4	22.15522	113.96324	0.1	181.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 13:38:50	801872.7	814220.1	22.15516	113.96313	0.2	184.6	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 13:41:59	801871.6	814216	22.15515	113.96309	0.1	196.9	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 13:53:49	801872.6	814227.3	22.15516	113.9632	0.2	203.4	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 14:00:02	801876	814223.2	22.15519	113.96316	0.1	303	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 14:09:17	801878.2	814226.3	22.15521	113.96319	0.2	344	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 14:21:01	801876	814223.2	22.15519	113.96316	0.2	346	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 14:27:15	801873.8	814228.3	22.15517	113.96321	0.2	336	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 14:35:49	801877.1	814225.3	22.1552	113.96318	0.1	342.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 14:39:10	801876	814224.2	22.15519	113.96317	0.1	343	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 14:50:49	801874.9	814226.3	22.15518	113.96319	0.1	341.7	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 14:57:11	801871.5	814223.2	22.15515	113.96316	0.1	340	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 15:05:58	801872.7	814220.1	22.15516	113.96313	0.1	345	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 15:20:49	801876	814224.2	22.15519	113.96317	0.1	339.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 15:23:59	801873.8	814222.2	22.15517	113.96315	0	333.7	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 15:35:49	801872.7	814222.2	22.15516	113.96315	0.1	338.9	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 15:39:08	801872.7	814225.2	22.15516	113.96318	0.1	333	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 15:50:57	801879.3	814226.3	22.15522	113.96319	0.1	340	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 16:05:49	801876	814220.1	22.15519	113.96313	0.1	347.2	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 16:08:53	801874.9	814222.2	22.15518	113.96315	0.1	337	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 16:20:49	801880.4	814228.4	22.15523	113.96321	0.1	342.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 16:26:59	801878.2	814226.3	22.15521	113.96319	0.2	350.2	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 16:37:12	801879.3	814226.3	22.15522	113.96319	0.2	342.4	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 16:41:59	801877.1	814220.1	22.1552	113.96313	0.1	337.9	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 16:50:49	801878.2	814226.3	22.15521	113.96319	0.2	347.5	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 16:53:49	801879.3	814229.4	22.15522	113.96322	0.3	340.5	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 17:09:01	801879.3	814224.2	22.15522	113.96317	0.1	325	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 17:12:15	801879.3	814227.3	22.15522	113.9632	0.1	356	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 17:15:01	801880.4	814225.3	22.15523	113.96318	0.1	354.1	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 17:26:49	801876	814224.2	22.15519	113.96317	0.1	341.6	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 17:27:01	801876	814224.2	22.15519	113.96317	0.1	342	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 17:33:00	801874.9	814224.2	22.15518	113.96317	0.1	344.2	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 17:44:50	801881.5	814216	22.15524	113.96309	0.1	358.2	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 17:48:09	801876	814223.2	22.15519	113.96316	0.2	340	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 17:57:06	801876	814228.3	22.15519	113.96321	0.1	348	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 18:11:49	801888.2	814224.2	22.1553	113.96317	0.1	347.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 18:11:59	801888.2	814224.2	22.1553	113.96317	0.1	347.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 18:25:21	801874.9	814222.2	22.15518	113.96315	0.1	351.8	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 18:29:49	801870.4	814223.2	22.15514	113.96316	0.1	355.7	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 18:32:59	801871.5	814222.1	22.15515	113.96315	0.2	342	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 18:38:58	801873.8	814217	22.15517	113.9631	0.1	343	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 18:54:12	801873.8	814226.3	22.15517	113.96319	0.1	332	ShipXY
LAN JIANG	Crane Barge	21-DEC-2020 18:59:49	801878.2	814228.3	22.15521	113.96321	0.1	334.6	ShipXY