

ITALIAN COAST GUARD HEADQUARTERS



CASE STUDIES ON THE USE OF EU LRIT DATA CENTRE

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6th LRIT NCA Meeting, Lisbon october 17th 2012



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ITEMS

- 1) Results of the support from EU LRIT Data Center in a case of police investigations requested by the Italian justice authority.
- 2) Collaboration with Panama NCA in monitoring and sharing LRIT data during the voyage of M/V “MSC LIRICA” in the area of the Gulf of Aden-Arabian Sea.



CASE 1:DESCRIPTION

FOLLOWING A REQUEST MADE BY AN ITALIAN JUDICIARY AUTHORITY, THE ITALIAN NCA REQUIRED TO ALL EU LRIT NCAs, THROUGH EMSA, THE AUTHORIZATION TO RECEIVE THE POSITIONS OF ALL THE VESSELS THAT PASSED INSIDE A GIVEN AREA OF INTEREST, FROM JULY 13th AT 12:00 UTC UP TO JULY 14th AT 04:00 UTC.

THE AIS COVERAGE IN THE AREA OF INTEREST (Libyan Sea) IS VERY POOR DUE TO THE LACK OF GROUND BASE STATIONS, AND LRIT DATA HAVE BEEN CONSIDERED HELPFUL TO GATHER AS MUCH INFORMATIONS AS POSSIBLE.



CASE 1:DESCRIPTION

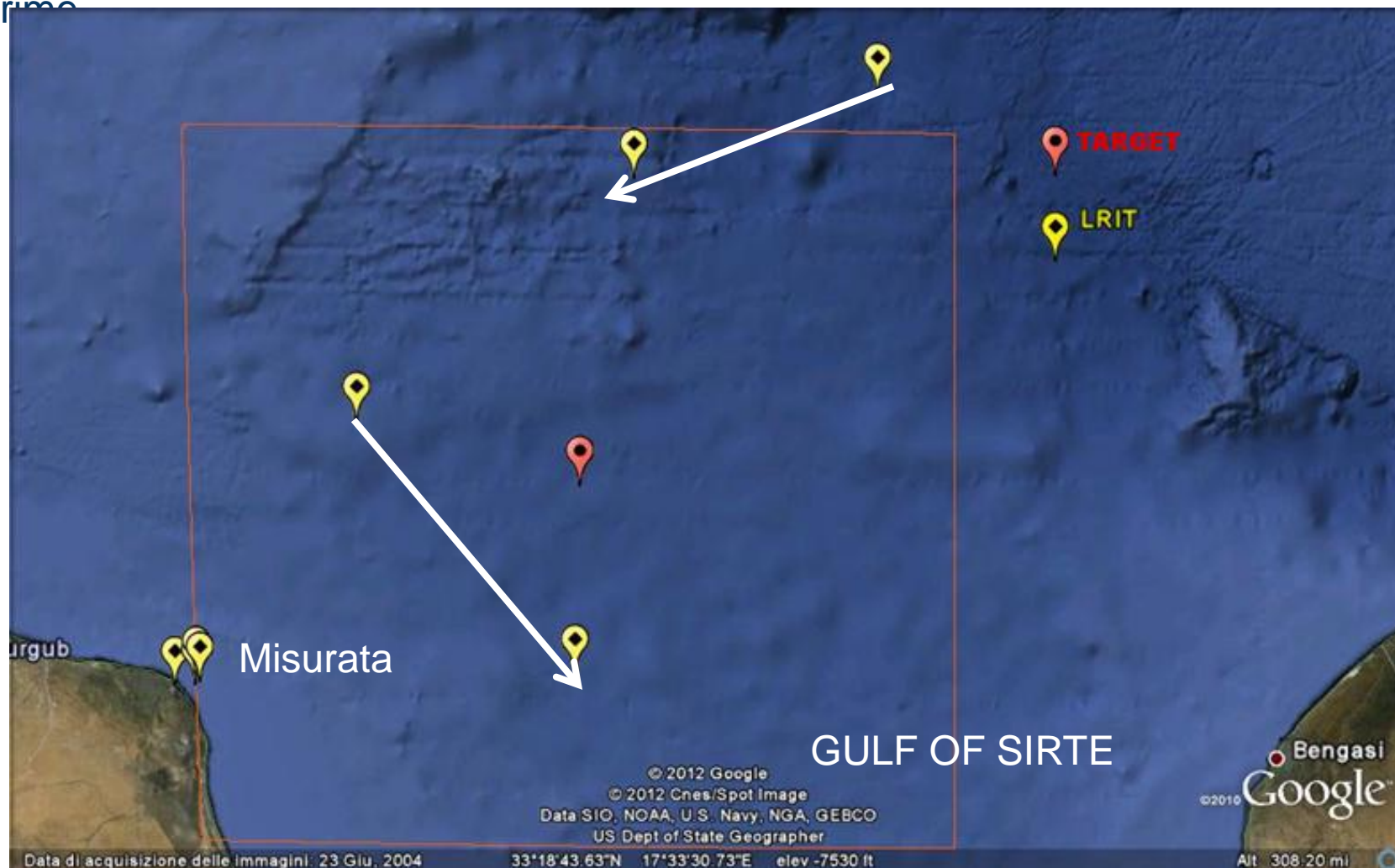
23 Member States accepted to give access to the requested LRIT data for their own flag ships.

5 SHIPS of various flags were in navigation in the given area.

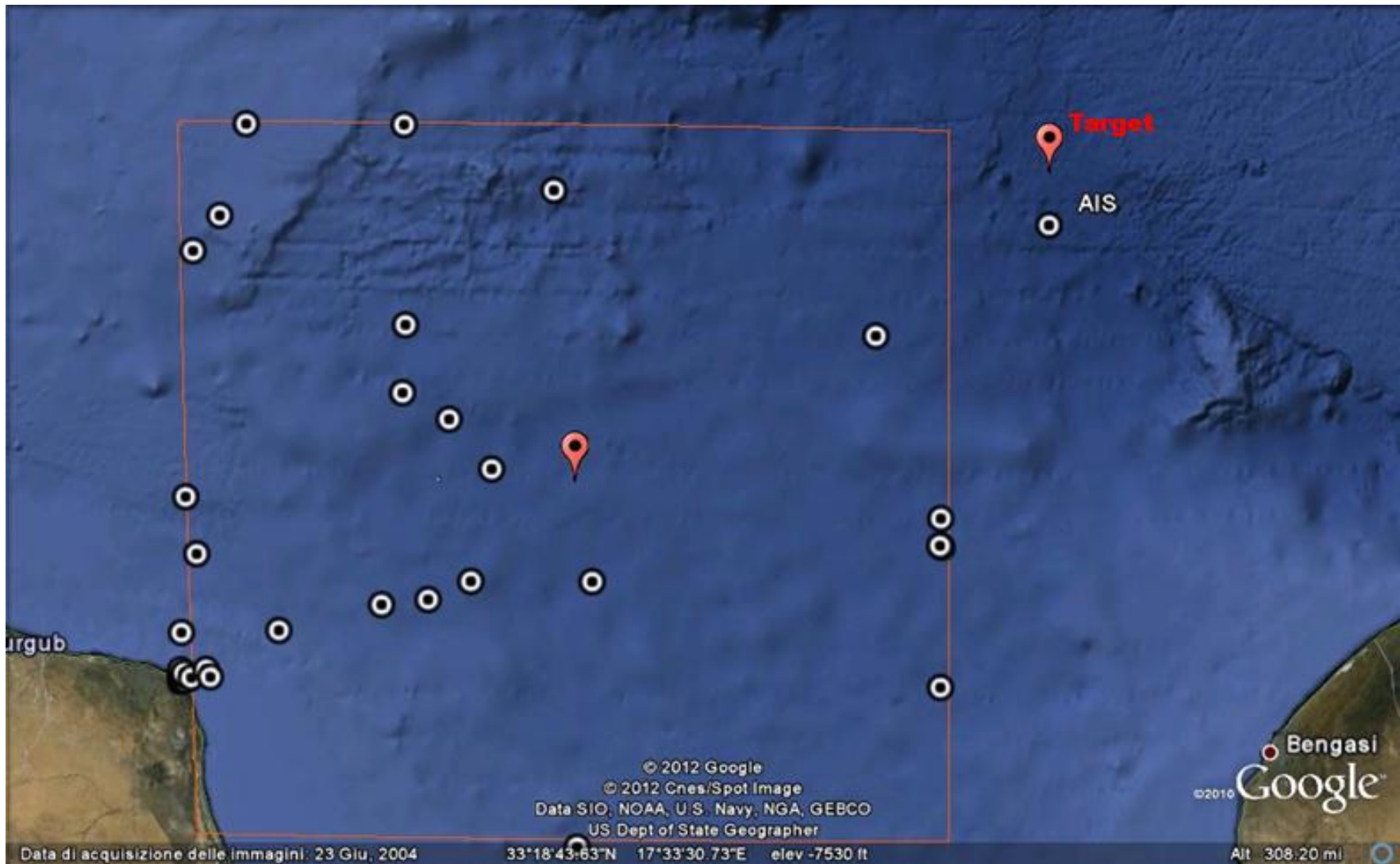


5 ships found: 3 of them were in the harbour of Misurata (Libya).

We required at least two positions for each ship, in order to be capable to estimate course and speed and to backtrack their position at the moment of the crime.



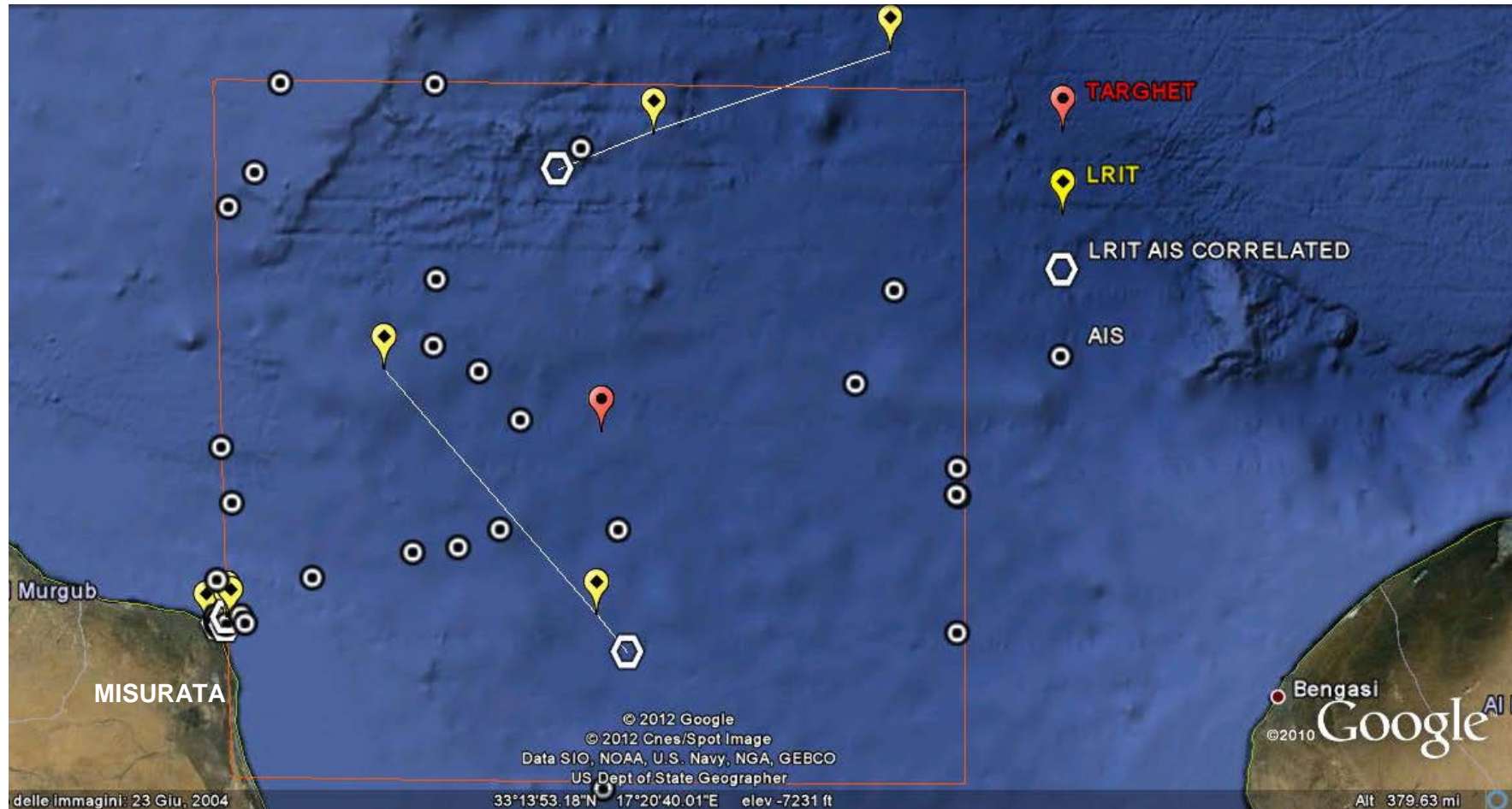
AIS tracks in the area.



CORRELATION AMONG AIS AND LRIT DATA

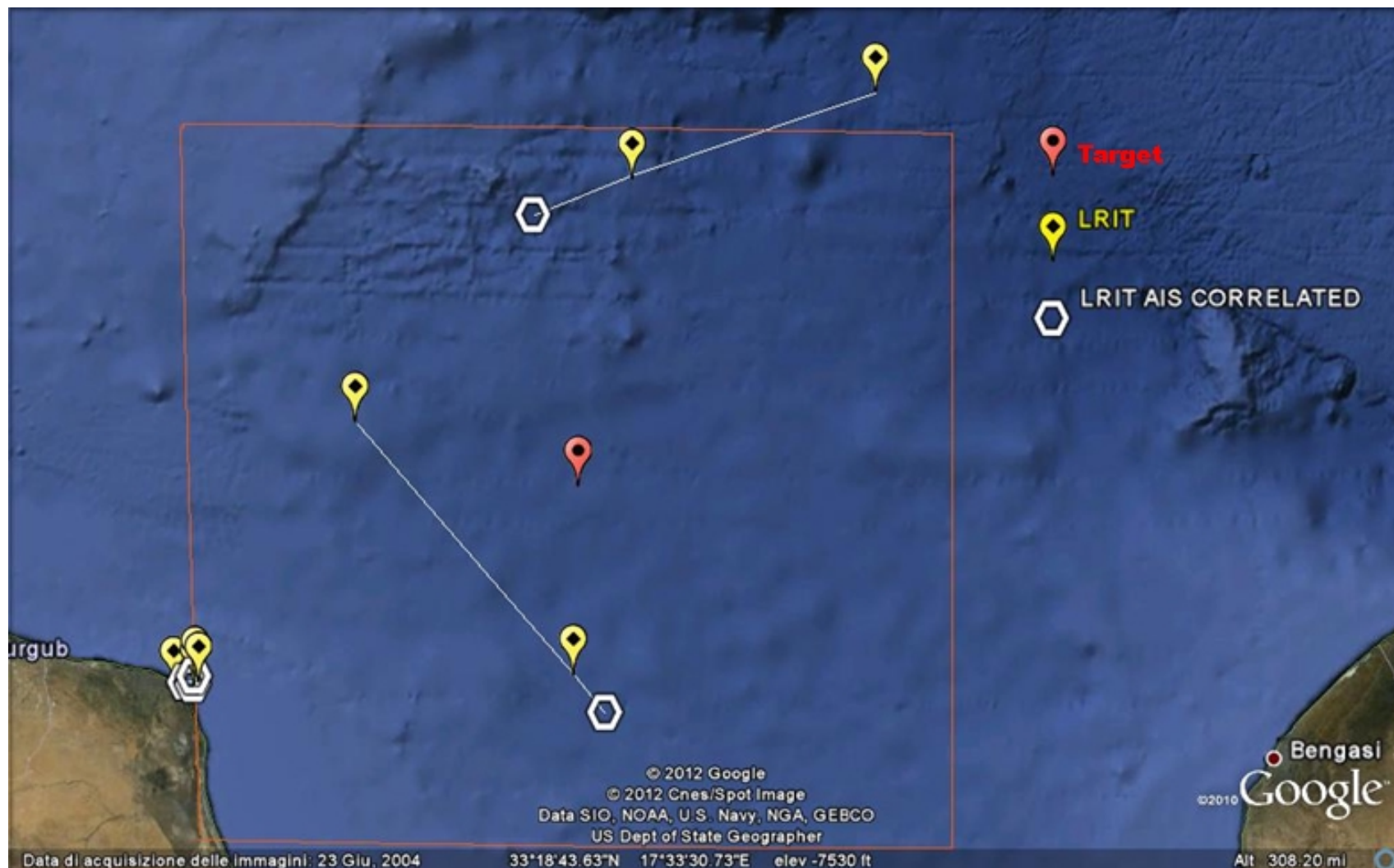
AIS shown all the ships actually in the area.

After cross-checking of AIS and LRIT data, 6 EU vessels (SOLAS compliant) were reported only by AIS and no LRIT tracks appeared to be available.



CORRELATION BETWEEN AIS AND LRIT DATA

So in this case no additional information provided by LRIT data (in comparison with AIS tracks).



CASE 2: DESCRIPTION

After an input by the representatives of MSC Cruises Company, the Italian Ministry of Foreign Affairs requested to IT.C.G. to track one ship of interest for Italy, the MSC LIRICA, Panama Flag, with about 300 Italian citizens onboard.

So it has become necessary to monitor the vessel during the navigation in the Red Sea between the position 015° 00' N, 41° 44' E and the port of Muscat, in the period 10/22/2011 to 10/27/2011 .



CASE 2: DESCRIPTION

Having no access to the LRIT data of Panama flag vessels, and the area of interest was over the 1000 miles from Italian coast, we required Panama NCA to send us the positions of the MSC LIRICA every 6 hrs, as per standard timing of the LRIT.



MSC LIRICA report.

**Absolute Maritime**
Tracking Services, Inc.™

Fleet

- › All
- › Currently Reporting
- › Not Reporting

Organisations

People

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Absolute Maritime Tracking Services | jramsauer@panama-lrit.com | My Account

Fleet Information System

uri: /ships/13541

Search

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Show Only Selected

View: Tiles

Tr



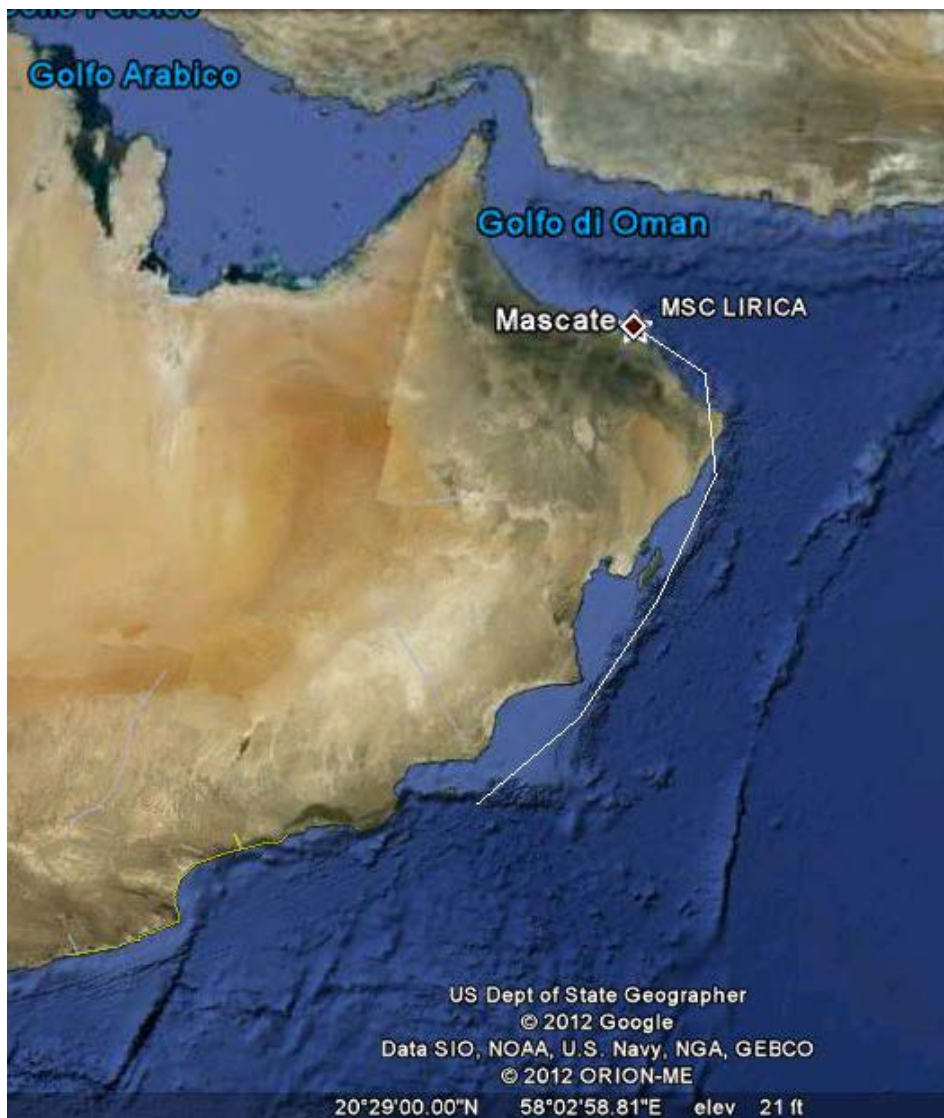
MSC LIRICA (HOPW)
DRY CARGO/PASSENGER
59058 tonne
IMO: 9246102 AMP: 9246102
MTU: 435604220
Status: Complete
Absolute Maritime Tracking
21° 12.44' N 38° 4.92' E, 21/10/2011 17:40 7min ago

Google

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MSC LIRICA POSITIONS RECEIVED WITHIN THE LAST 24 HOURS.



**MSC LIRICA / 9246102 / HOPW
(435604220 4SP060B7E124)**

Position: 36° 5.8' N, 4° 51.32' W ***

Speed: 19

Course:256

Position sent: 3/27/2012 2:14:00 PM

Position received: 3/27/2012 2:16:04 PM

Position: 36° 5.96' N, 4° 50.52' W

Speed: 19

Course:257

Position sent: 3/27/2012 2:12:00 PM

Position received: 3/27/2012 2:13:54 PM

Position: 36° 6.12' N, 4° 49.72' W

Speed: 18.4

Course:256

Position sent: 3/27/2012 2:08:00 PM

Position received: 3/27/2012 2:10:59 PM



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THANK YOU FOR THE ATTENTION



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