


30 December 2022

PRELIMINARY SATELLITE- DERIVED ASSESSMENT – OIL SPILL THREAT



Saint Brandon Islands, Mauritius

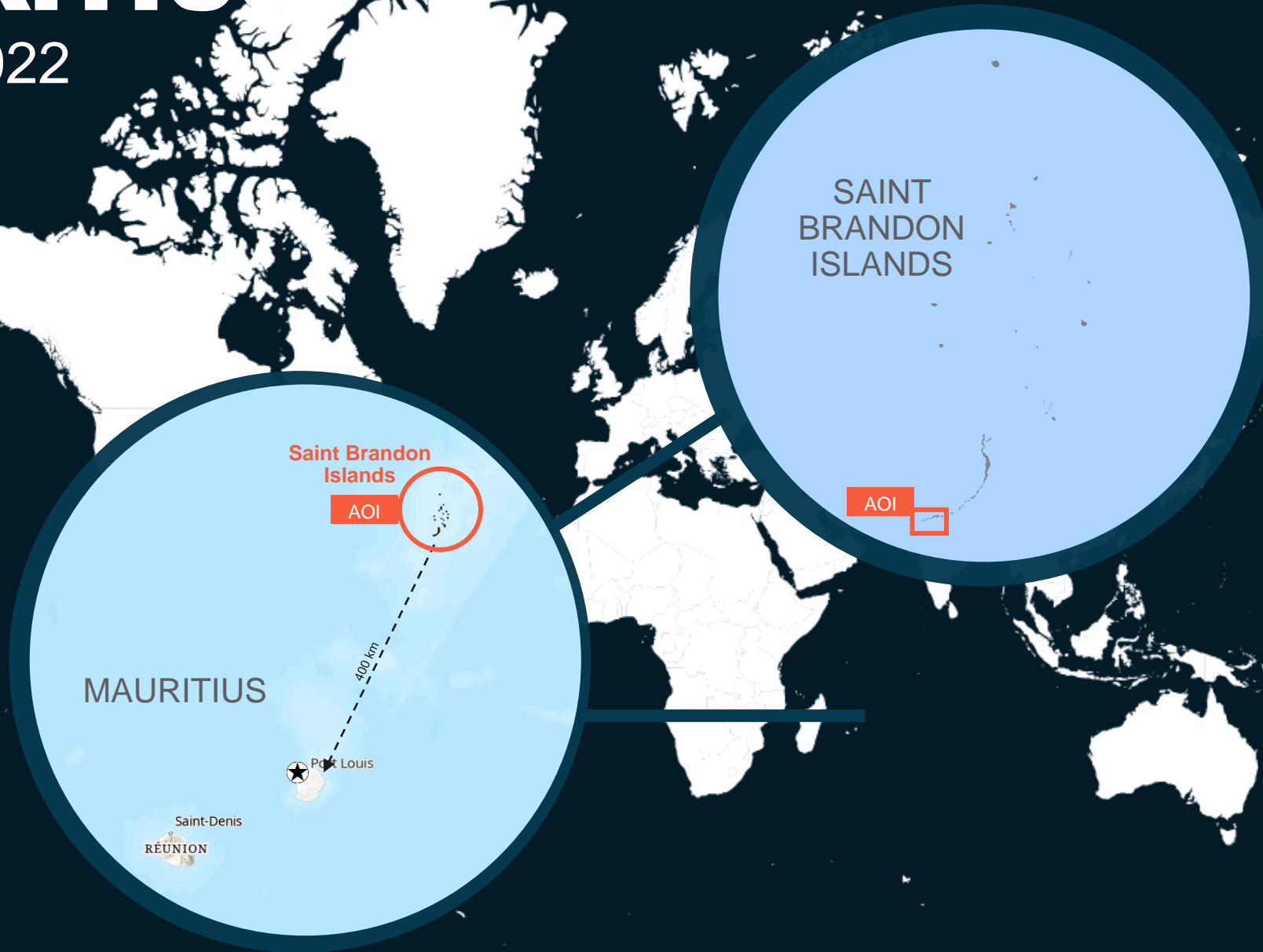
 Status: no oil spill breach observed

 Further action(s): continue monitoring



MAURITIUS

30 Dec 2022

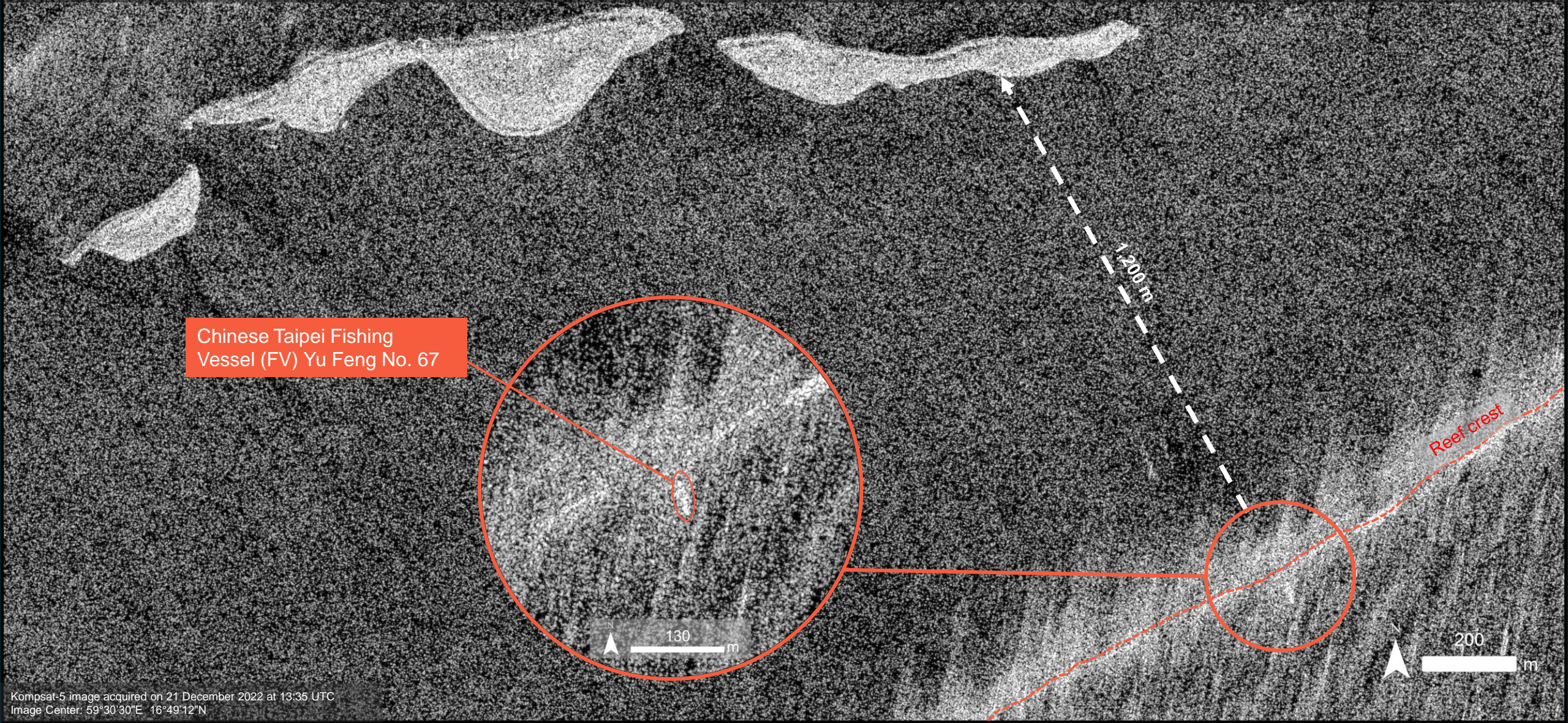
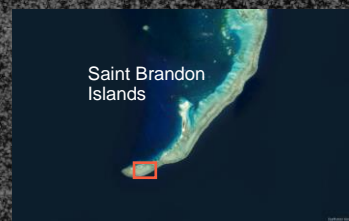


21 DEC. 2022 - SAINT BRANDON ISLANDS, MAURITIUS

~400 KM FROM PORT LOUIS

No oil spill breach observed

Image center:
59°30'30"E
16°49'12"S



Chinese Taipei Fishing
Vessel (FV) Yu Feng No. 67

Reef crest

130 m

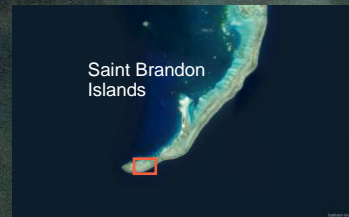
200 m

23 DEC. 2022 - SAINT BRANDON ISLANDS, MAURITIUS

~400 KM FROM PORT LOUIS

Grounded vessel observed at coordinates: 59°31'09" E 16°49'35" S

Image center:
59°30'30"E
16°49'12"S



Chinese Taipei Fishing
Vessel (FV) Yu Feng No. 67

Cloud shadow

1,300 m

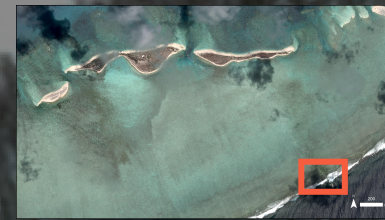


23 DEC. 2022 - SAINT BRANDON ISLANDS, MAURITIUS

~400 KM FROM PORT LOUIS

No oil spill breach observed due to cloud shadows and rippled waves

Image center:
59°31'09"E
16°49'35"S



Chinese Taipei Fishing
Vessel (FV) Yu Feng No. 67

Cloud shadow

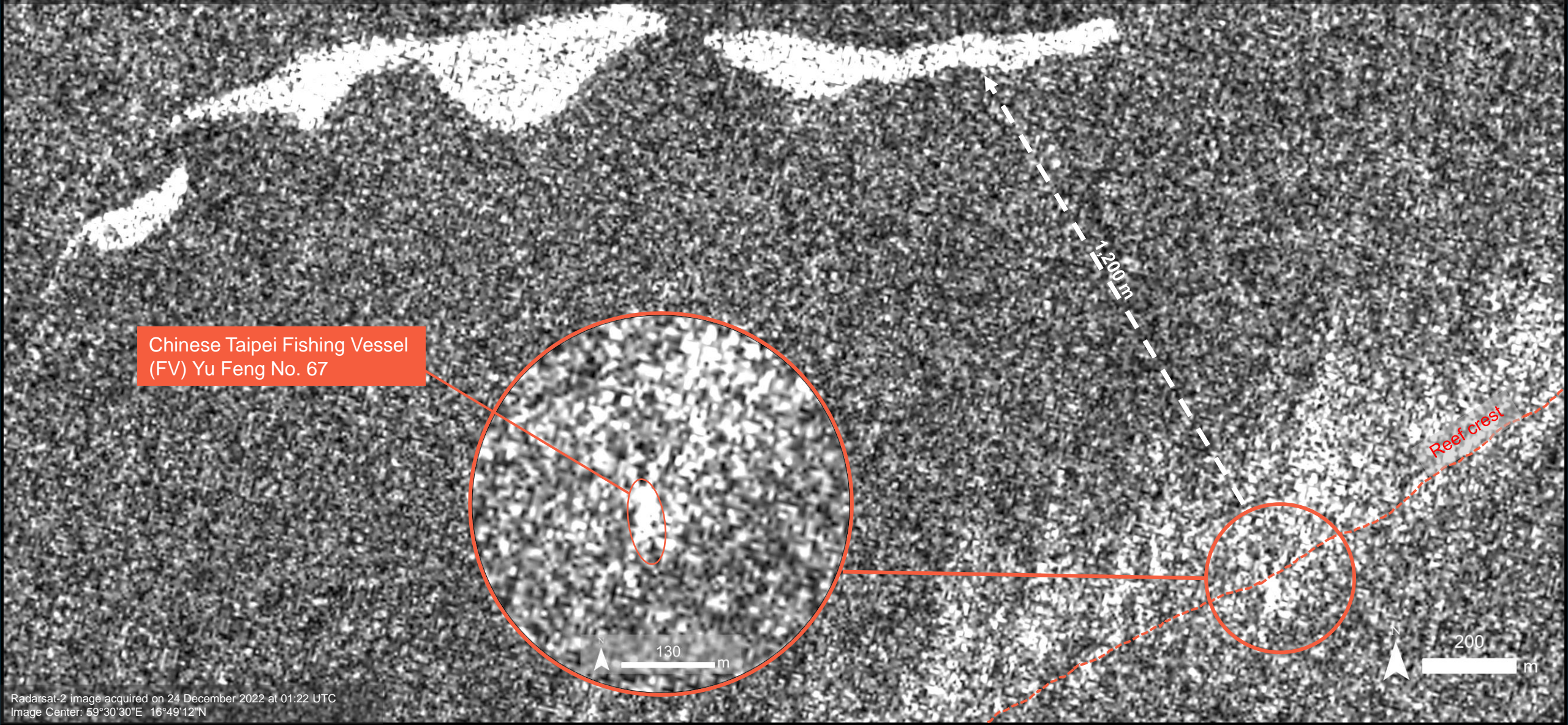
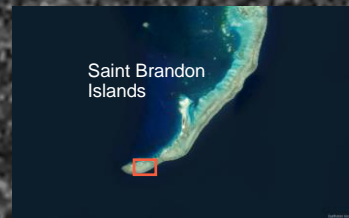


24 DEC. 2022 - SAINT BRANDON ISLANDS, MAURITIUS

~400 KM FROM PORT LOUIS

No oil spill breach observed

Image center:
59°30'30"E
16°49'12"S



Chinese Taipei Fishing Vessel
(FV) Yu Feng No. 67

130 m

200 m

Reef crest

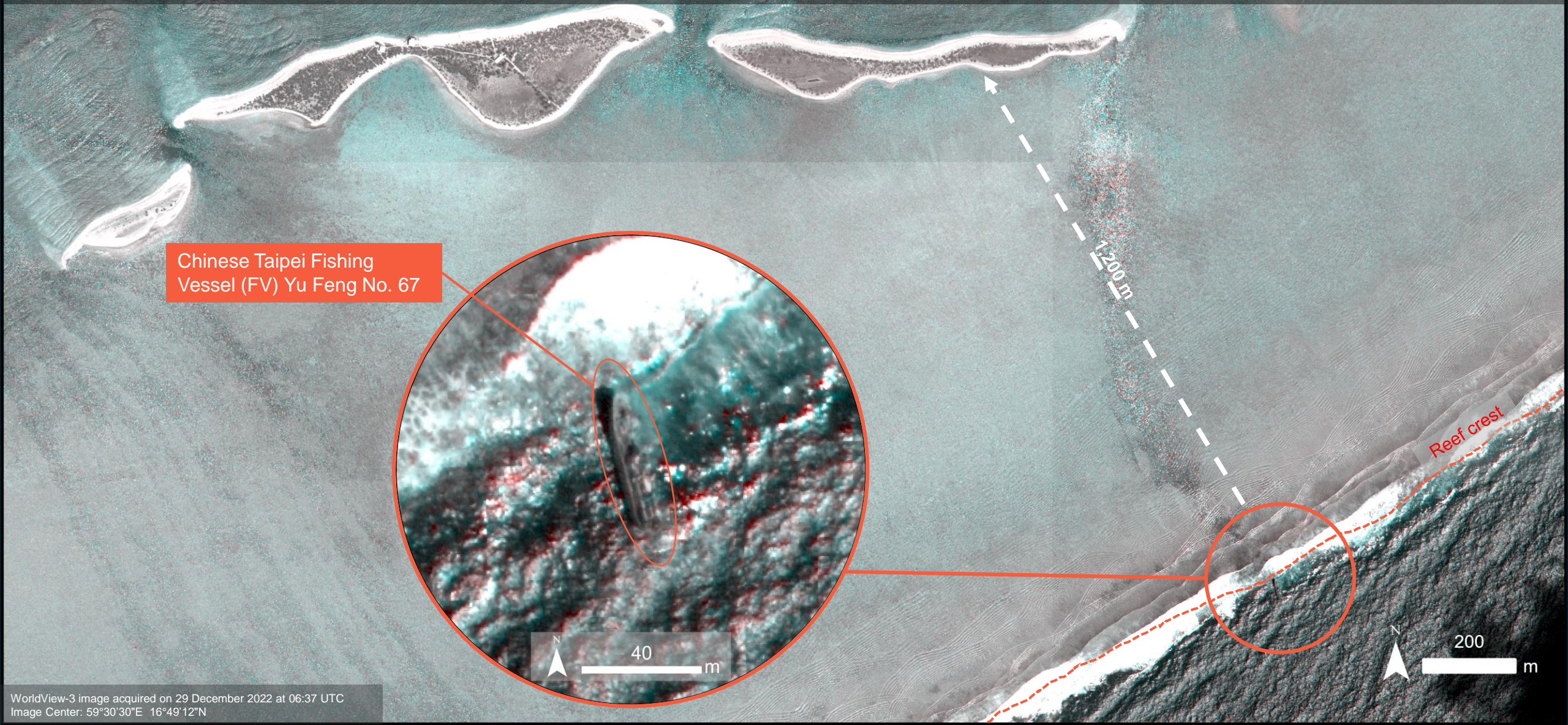
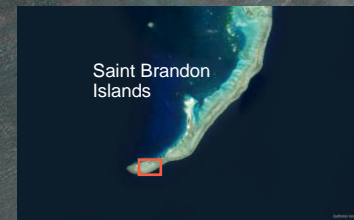
1200 m

29 DEC. 2022 - SAINT BRANDON ISLANDS, MAURITIUS

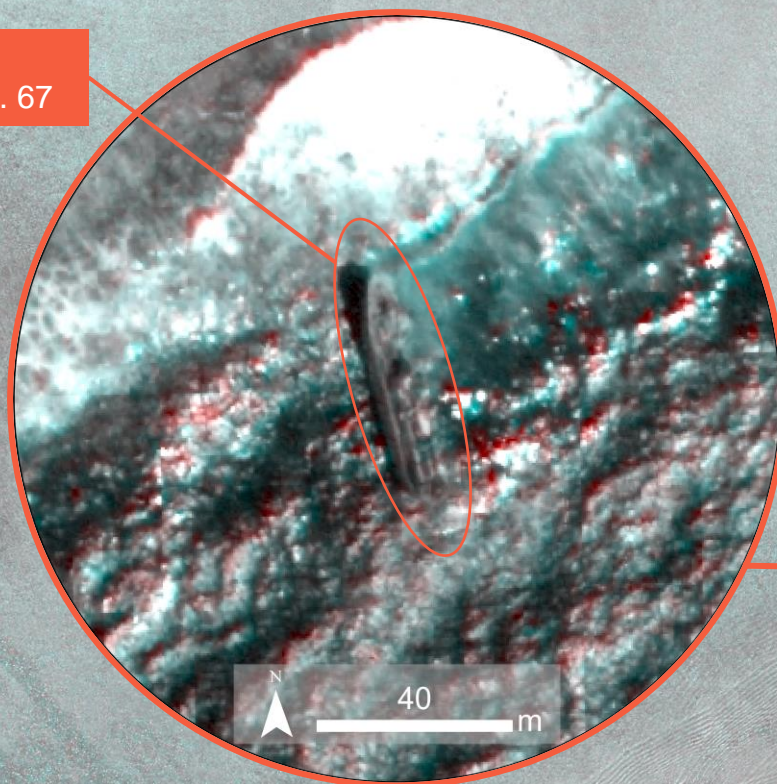
~400 KM FROM PORT LOUIS

No oil spill breach observed

Image center:
59°30'30"E
16°49'12"S



Chinese Taipei Fishing Vessel (FV) Yu Feng No. 67



1.200 m

Reef crest



29 DEC. 2022 - SAINT BRANDON ISLANDS, MAURITIUS

~400 KM FROM PORT LOUIS

No oil spill breach observed due to rippled waves

Image center:
59°31'09"E
16°49'35"S



Chinese Taipei Fishing Vessel
(FV) Yu Feng No. 67

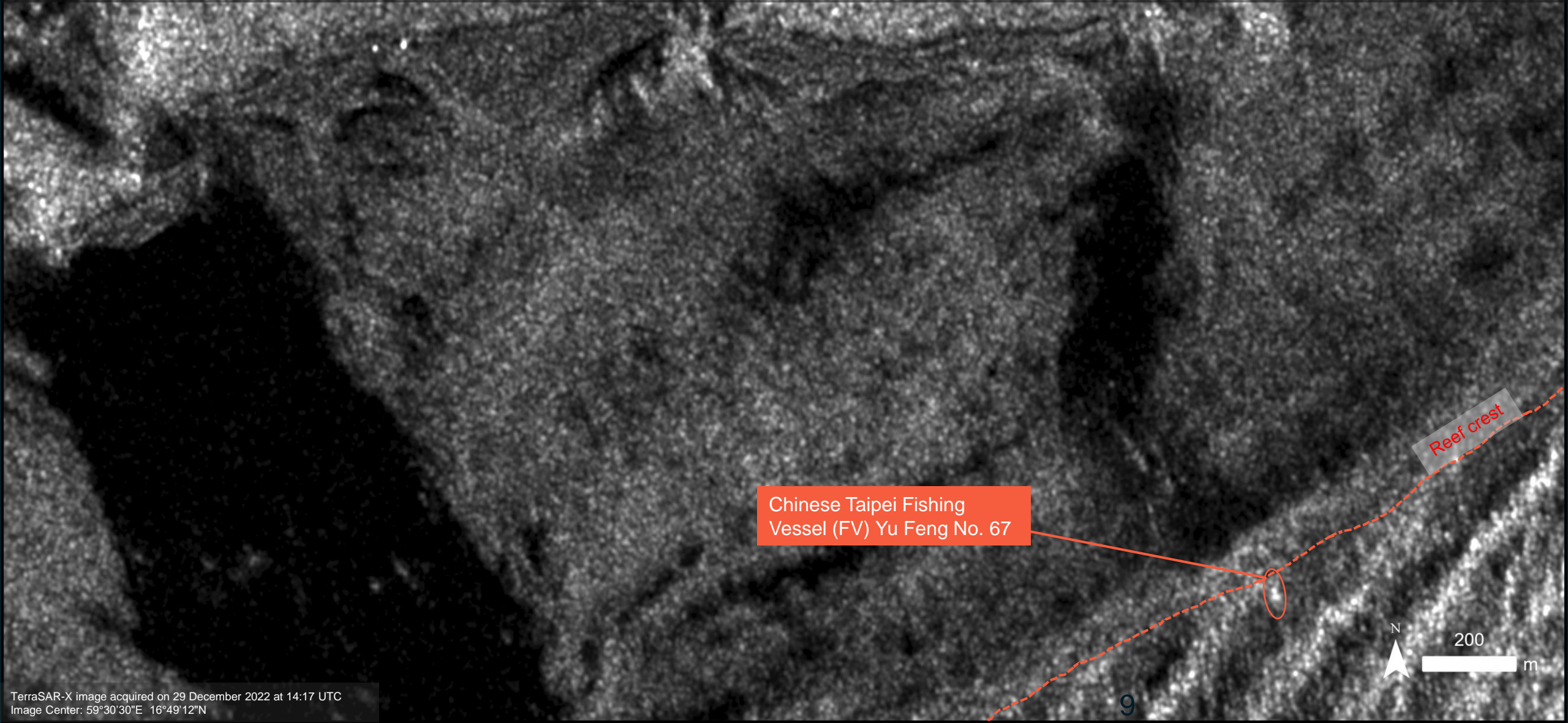


29 DEC. 2022 - SAINT BRANDON ISLANDS, MAURITIUS

~400 KM FROM PORT LOUIS

No oil spill breach observed

Image center:
59°31'09"E
16°49'35"S



Chinese Taipei Fishing
Vessel (FV) Yu Feng No. 67

Reef crest



SUMMARY OF FINDINGS AS OF 29 DECEMBER 2022

Chinese Taipei Vessel (FV) Yu Feng No. 67 observed as of 29 December 2022 at coordinates: 59°31'09" E 16°49'35" S.

Observations based on Kompsat-5 (VV) imagery acquired on 21 December 2022 at 13:35 UTC

- No oil spill breach observed as of 21 December 2022.

Observations based on Pleiades imagery acquired on 23 December 2022 at 06:38 UTC

- No oil spill breach observed as of 23 December 2022 due to cloud shadows and rippled waves.

Observations based on Radarsat-2 (VV) imagery acquired on 24 December 2022 at 01:22 UTC

- No oil spill breach observed as of 24 December 2022.

Observations based on WorldView-3 & TerraSAR-X imagery acquired on 29 December 2022 at 06:37 & 14:17 UTC

- No oil spill breach observed as of 29 December 2022 due to rippled waves.

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Data sources:

(1) Satellite Image (Post-event)

Satellite Data : WorldView-3

Imagery Dates : 29 December 2022 acquired at 06:37 UTC

Resolution: 40 cm

Copyright: © (2022) DigitalGlobe, Inc.

Source: USGS / HDDS

Satellite Data : TerraSAR-X

Imagery Dates : 29 December 2022 acquired at 14:17 UTC

Resolution: 3.5 m

Copyright: © DLR e.V. (2022), Distribution Airbus DS Geo GmbH

Source: DLR

Satellite Data : Radarsat-2

Imagery Dates : 24 December 2022 acquired at 01:22 UTC

Resolution: 6 m

Copyright: RADARSAT-2 Data and Products © MDA Geospatial Services Inc. (2022) – All Rights Reserved. RADARSAT is an official mark of the Canadian Space Agency

Source: CSA

Satellite Data : Pleiades

Imagery Dates : 23 December 2022 acquired at 06:38 UTC

Resolution: 50 cm

Copyright: © CNES (2022), distribution by Airbus DS

Source: Airbus DS

Satellite Data : Kompsat-5

Imagery Dates : 21 December 2022 acquired at 13:35 UTC

Resolution: 1 m

Copyright: © KARI (2022)

Source: KARI / KOMPSAT5

(2) Satellite Image (Pre-event)

ESRI Basemap

(3) Ancillary data

Administrative boundaries: UNOCHA

Road data: OpenStreetMap

Analysis: United Nations Satellite Centre (UNOSAT)

Production: United Nations Satellite Centre (UNOSAT)

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