Additional 100+ Ships Move Into Philippine EEZ Since May, Bringing Total To 238

Analysis By Simularity

June 20, 2021

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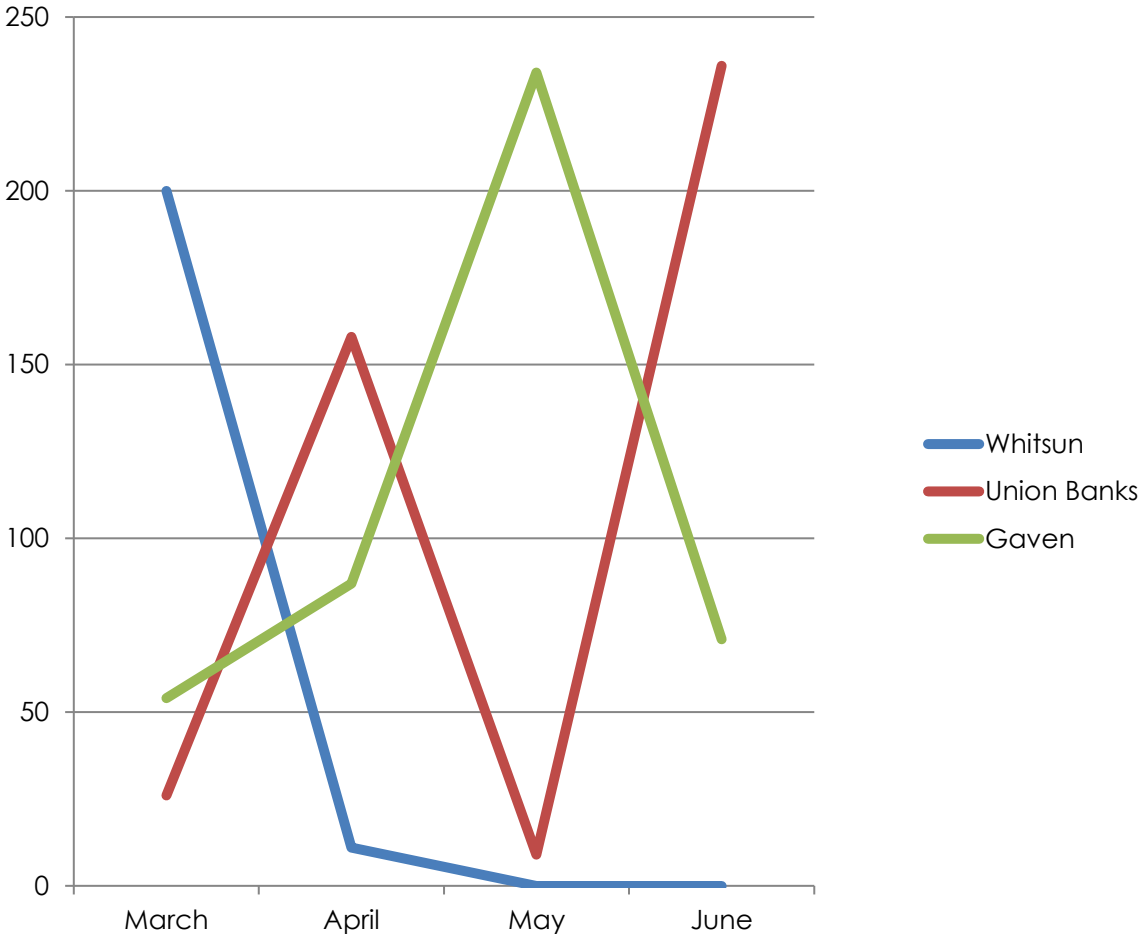
Tracking Likely Chinese Ships In The Contested Spratlys

Between mid-May and mid-June 2021, The number of ships within the Union Banks increased from 9 to 236 and the number of ships near Gaven Reef in Tizard Bank decreased from 234 to 71.

The number of ships in the Philippine EEZ increased from 129 to 238, an **increase of more than 100 ships**.



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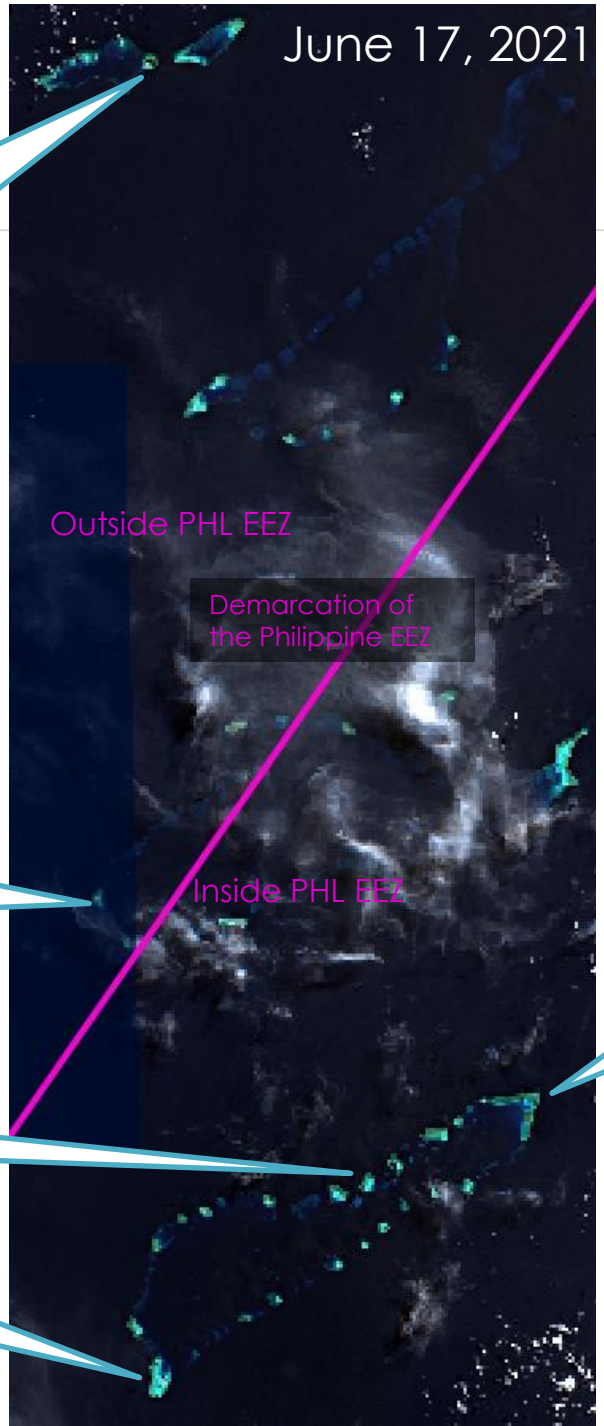

Thitu (Pag-Asa) Island

Thitu Reef: 11 Ships

As of June 17, 2021, approximately **238** ships are in the Philippines Exclusive Economic Zone (EEZ).

Tizard Bank: 71 Ships

Gaven Reef

Whitsun Reef

Hughes Reef

Union Banks: 236 Ships

Johnson Reef

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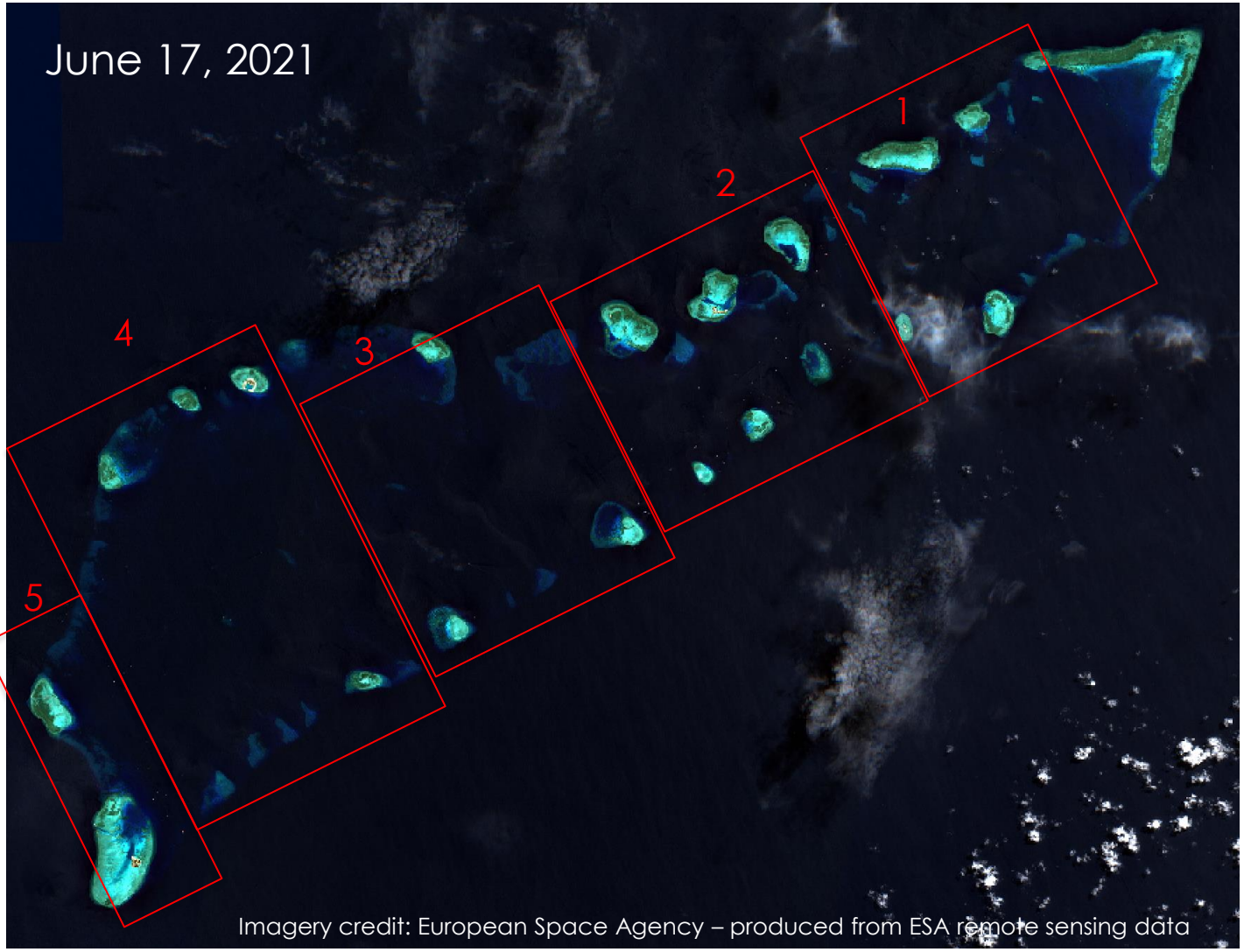
Union Banks Areas With Ships



Union Banks Is Located Entirely Within The Philippine EEZ

Area 1 – 11
Area 2 – 144
Area 3 – 19
Area 4 – 19
Area 5 – 43

Total Ships In Union Banks: **236**

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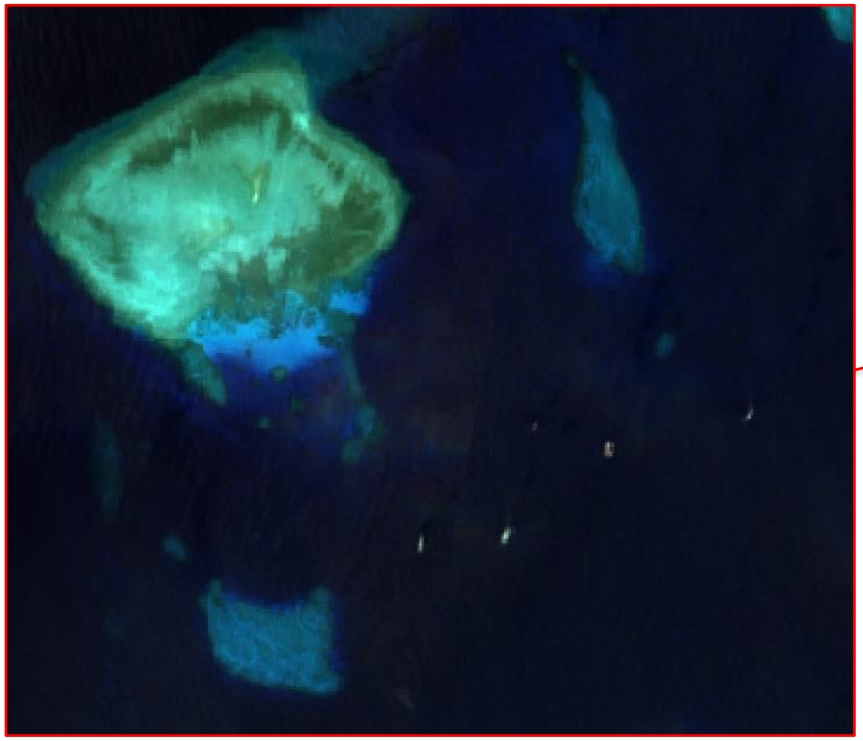
Union Banks Area 1-11 ships



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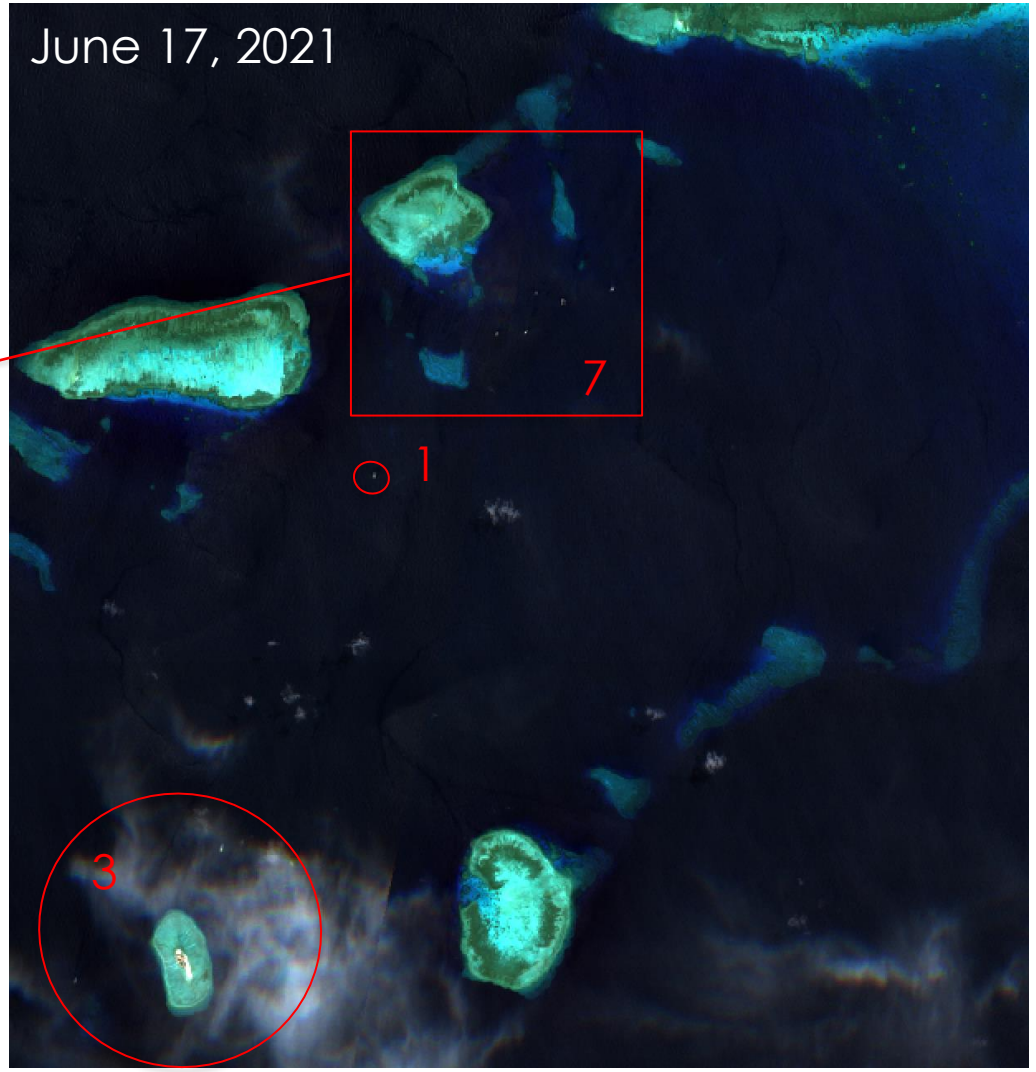

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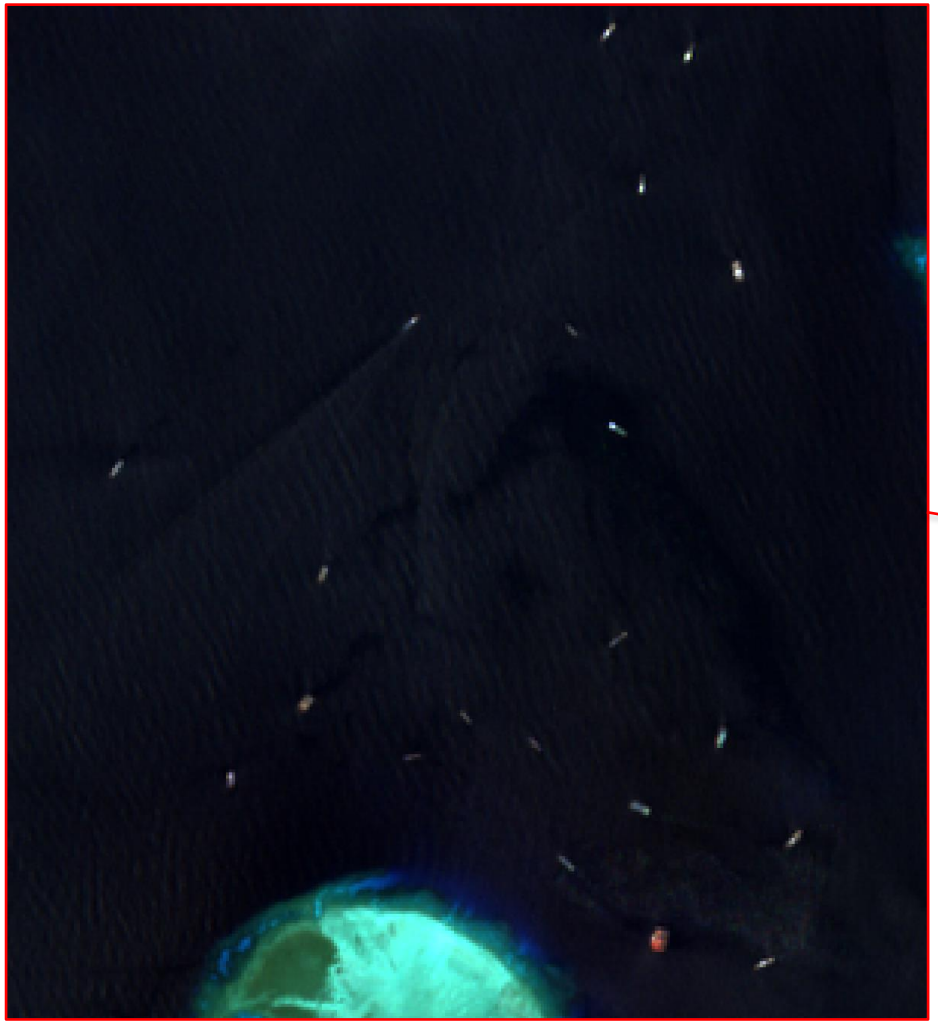
Union Banks Area 2 – 144 Ships



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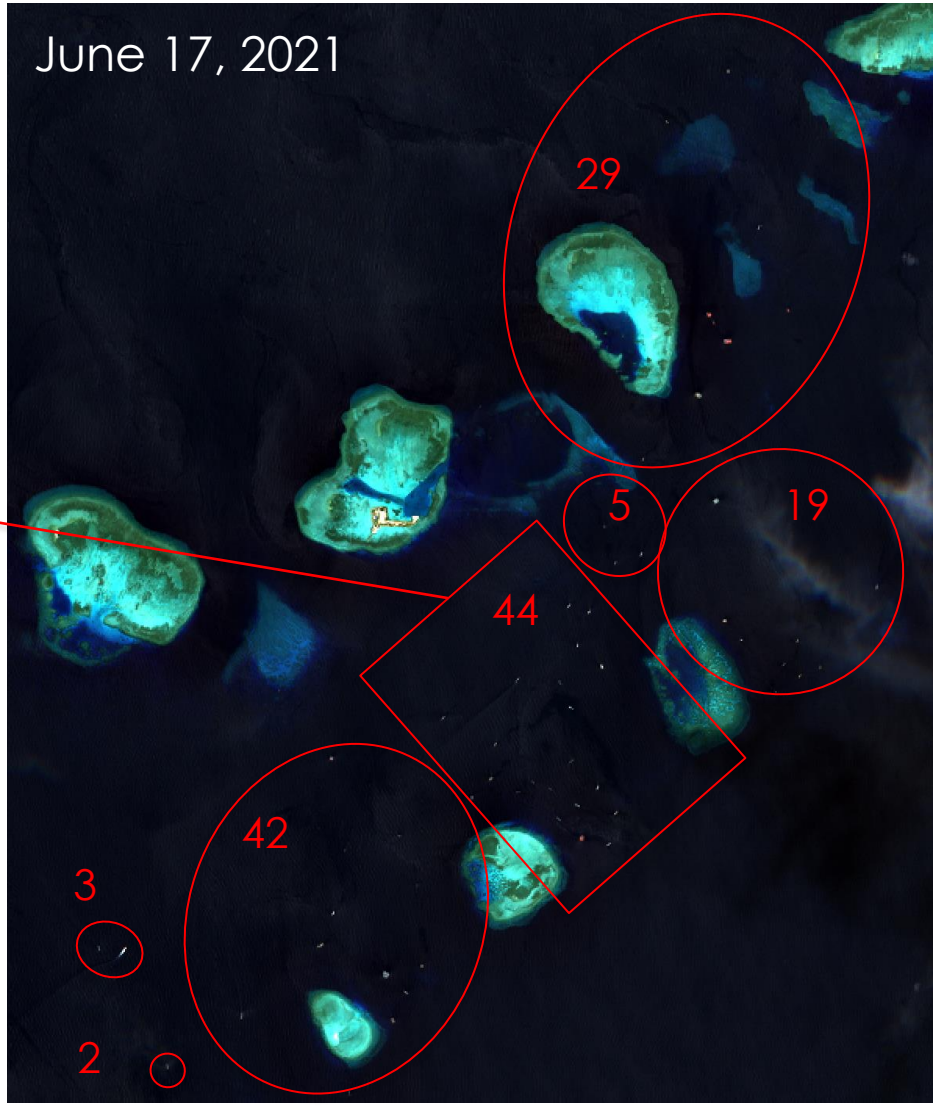

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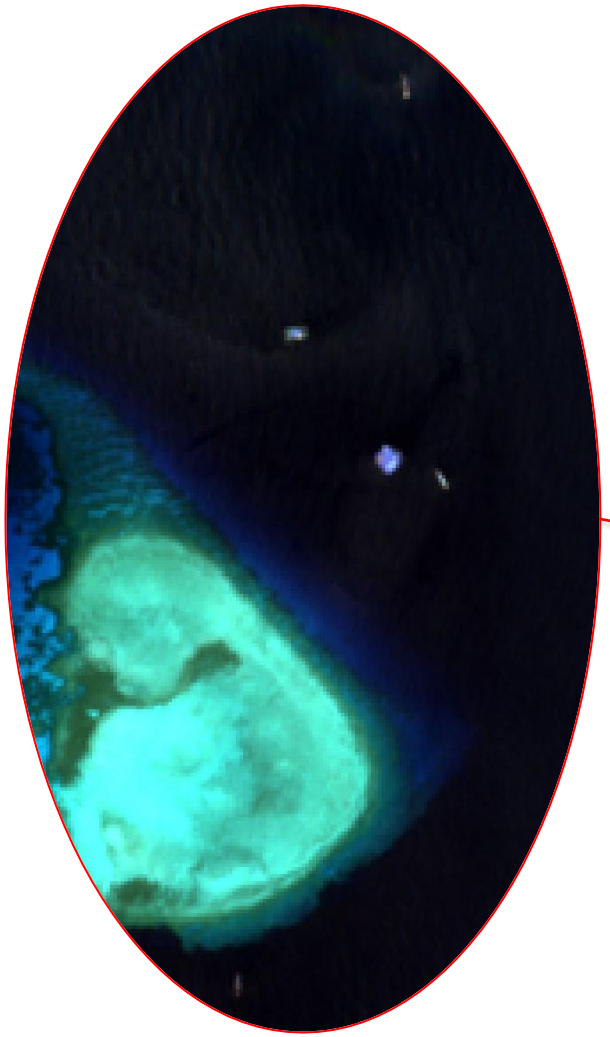
Union Banks Area 3 – 19 Ships



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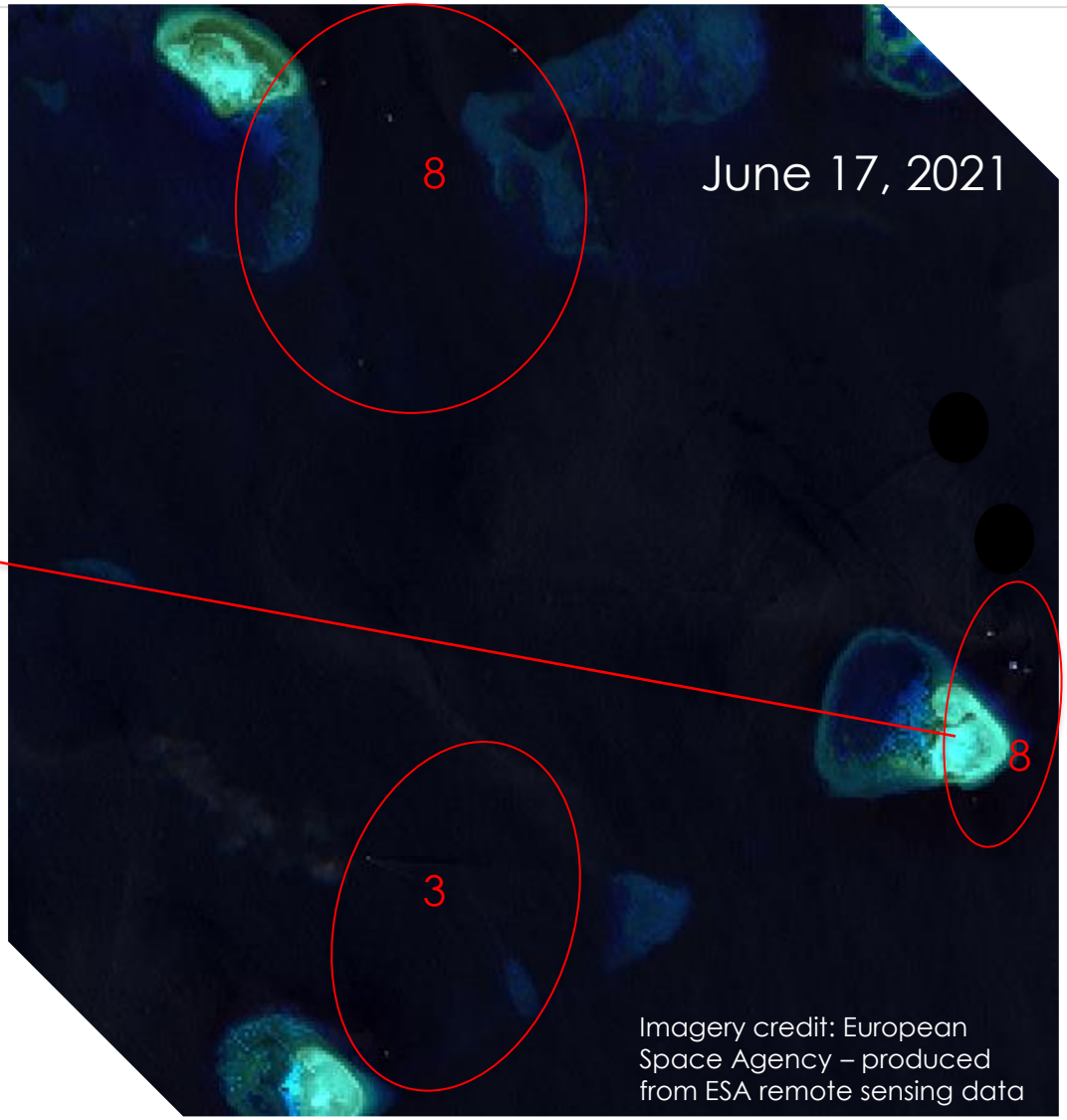

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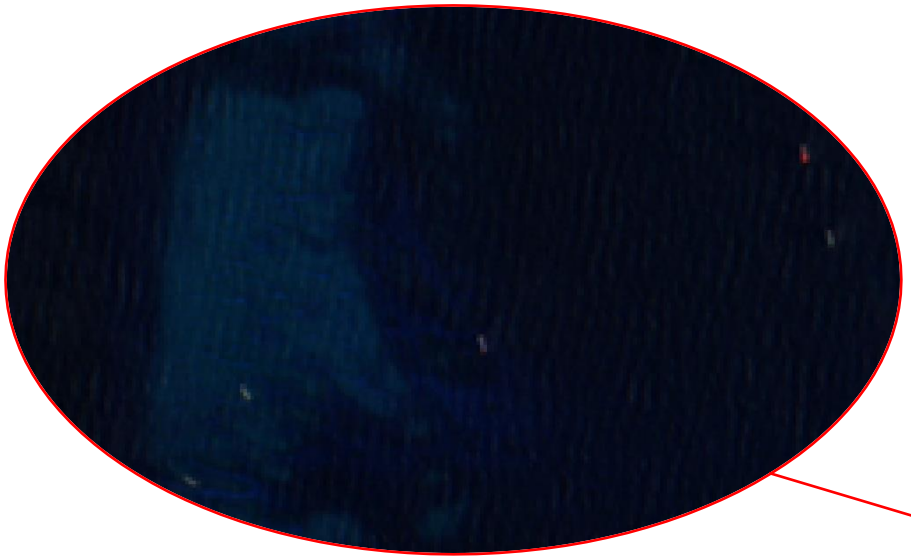
Union Banks Area 4 – 19 Ships



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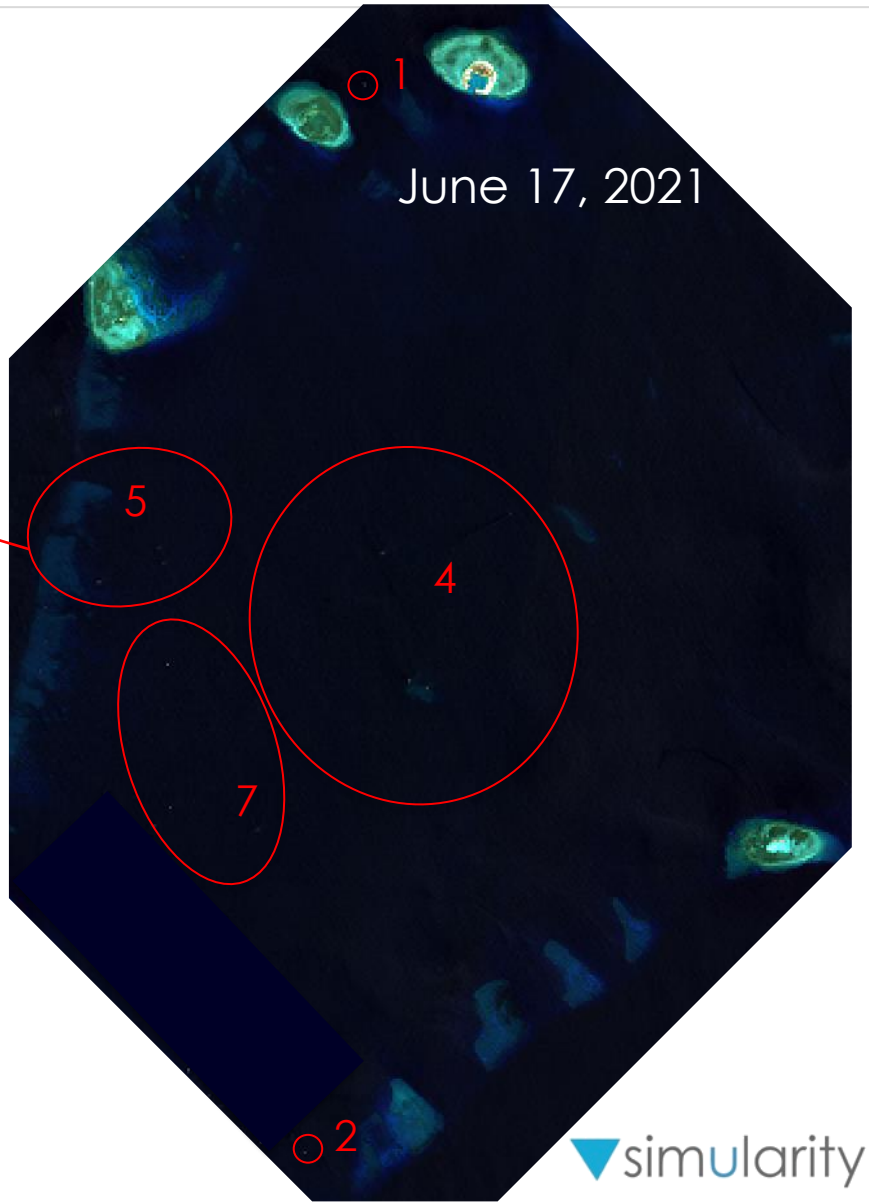

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Union Banks Area 5 – 43 Ships

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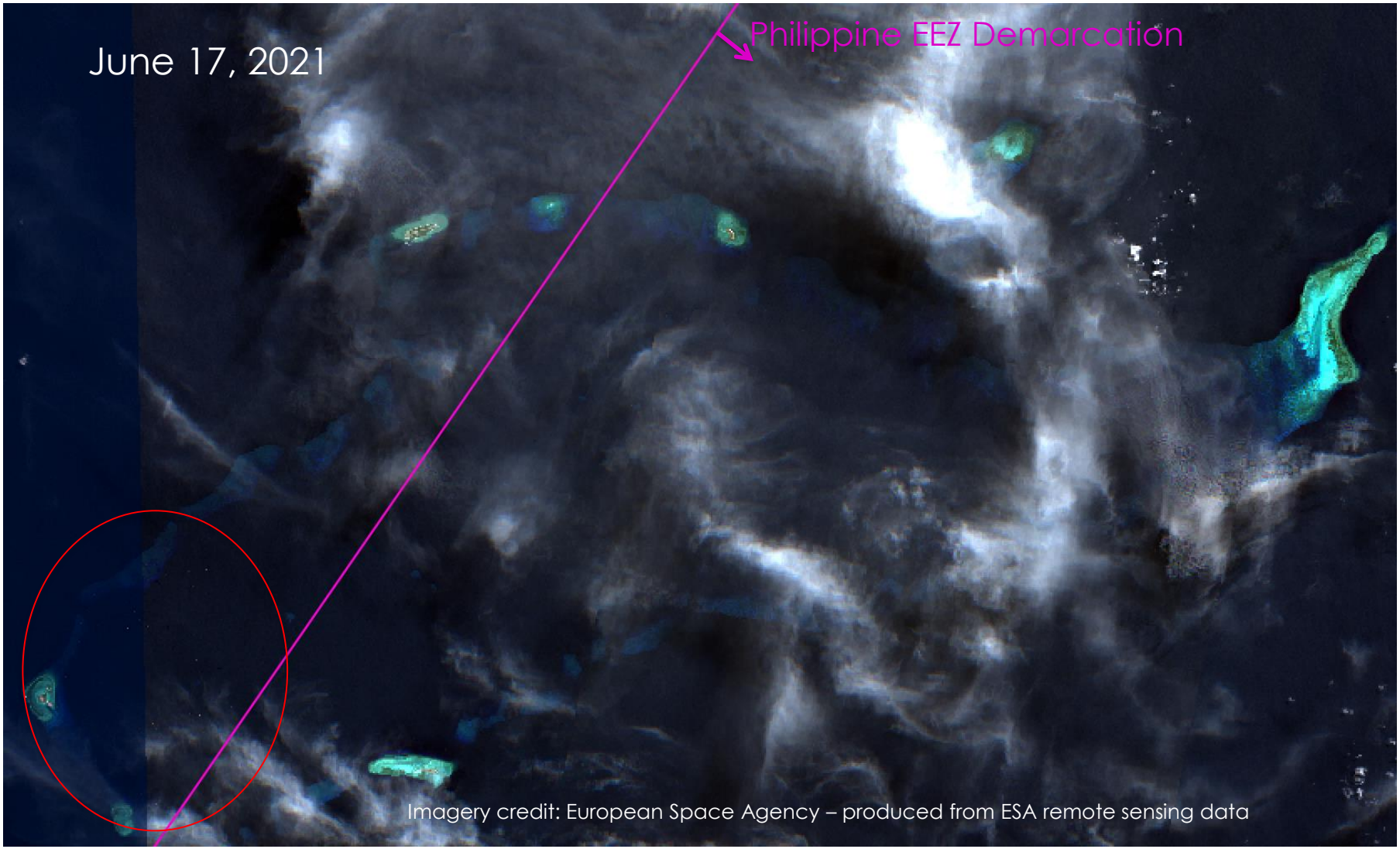
Tizard Banks Area With Ships



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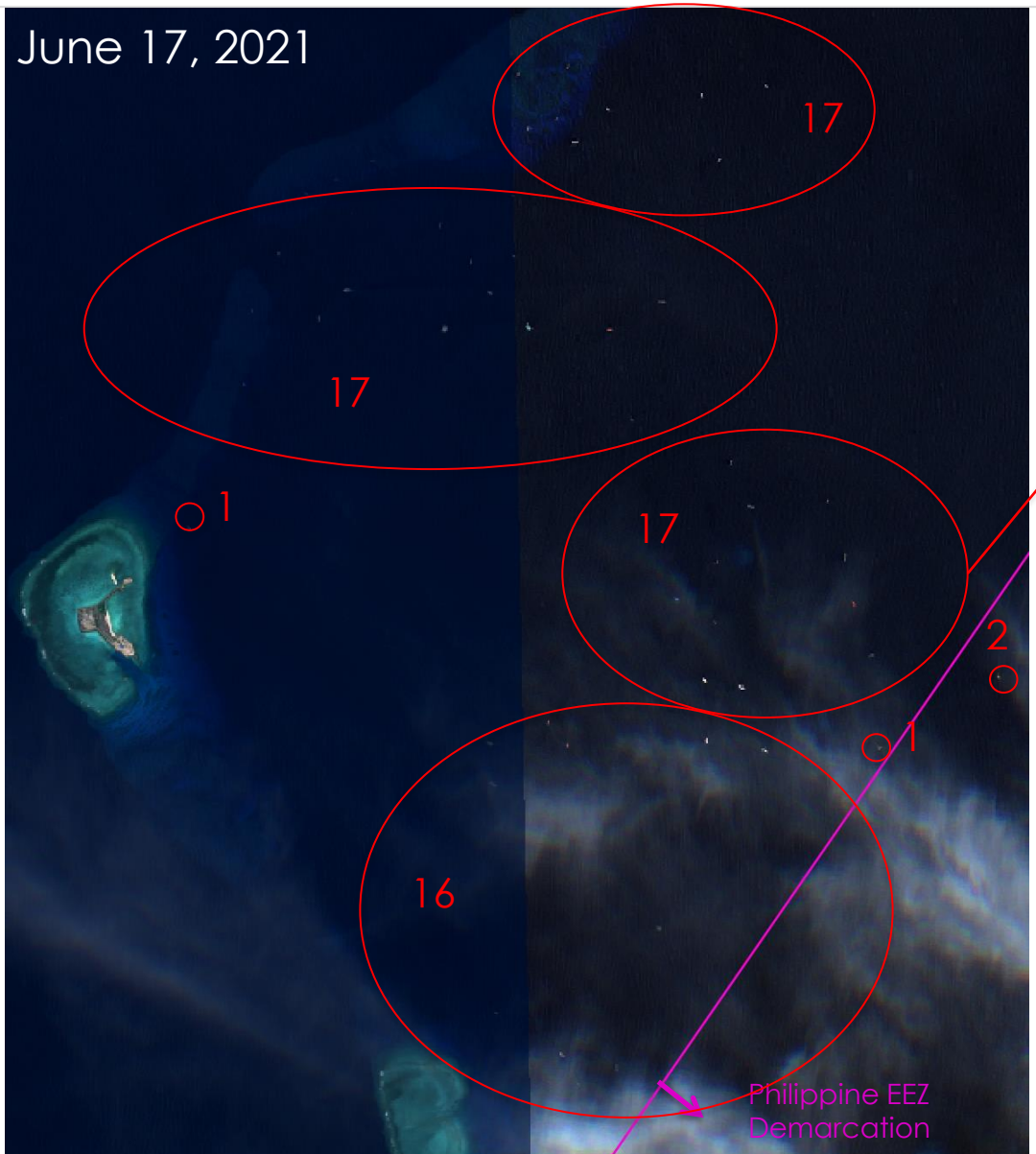
Tizard Bank Area – 71 Ships



Detail

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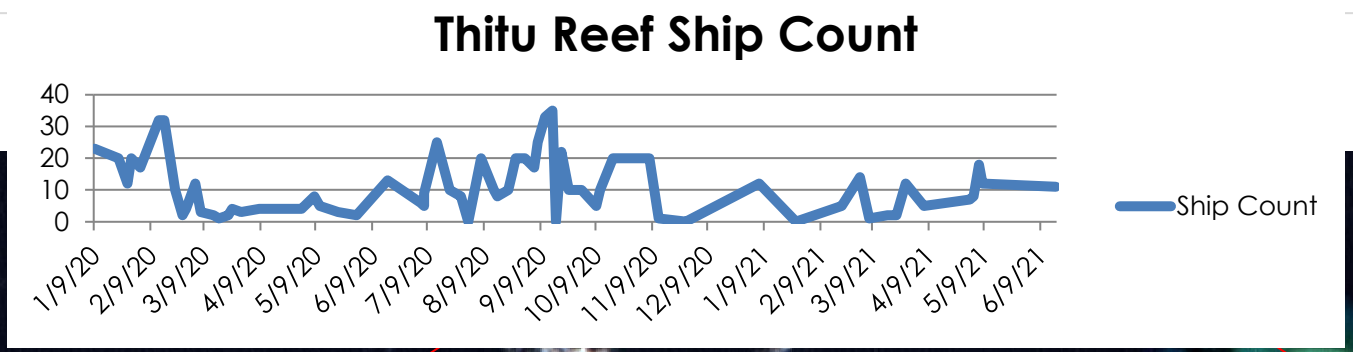
11 Ships At Thitu Reef June 17, 2021



June 17, 2021

Thitu (Pag-Asa) Island

11

Imagery credit: European Space Agency – produced from ESA remote sensing data

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Simularity's monitoring process

This anomaly heat map was generated by AIADS. It is shown overlaid onto a European Space Agency Sentinel 2 image. The anomalies are the red squares. After reviewing the imagery, our analyst then drew the pink polygons around the areas that need further investigation.

High resolution imagery was obtained for these areas, and Allsource Analysis helped interpret what those high resolution images revealed.

Please contact us at info@simularity.com to chat about your monitoring project.

Simularity is a software company that uses AI and Geospatial data to determine when significant changes have happened to an area. Our software, Automated Image Anomaly Detection System (AIADS), enables us to automate the scanning of large areas, such as the South China Sea, for unusual activity.

Our South China Sea monitoring project helps us demonstrate the value of our software. We check for new Sentinel 2 imagery of the South China Sea every week. When new images arrive, they are automatically downloaded and analyzed by AIADS.

A human analyst then reviews the results of the AIADS analysis, an "anomaly heat map" that highlights significant changes in red. By looking at the new image, the anomaly heat map, and historical images, our human analyst determines where there are changes that deserve a closer look. Those are indicated in this report with the red polygons.

Running AIADS on free Sentinel 2 imagery makes it possible for us to inexpensively monitor a very large area.

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