

Positive case of covid-19 found after passengers disembarked from a 'pariah' cruise ship

Sentinel-2 MSI acquired on 13 February 2020 at 03:28:39 UTC
Sentinel-1 CSAR IW acquired on 13 February 2020 at 11:19:10 UTC
Sentinel-2 MSI acquired on 18 February 2020 at 03:28:11 UTC
Sentinel-1 CSAR IW acquired on 19 February 2020 at 11:19:49 UTC

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Keyword(s): Coastal, marine traffic, ship, security, port, infrastructure, Cambodia

[2D Layerstack](#)

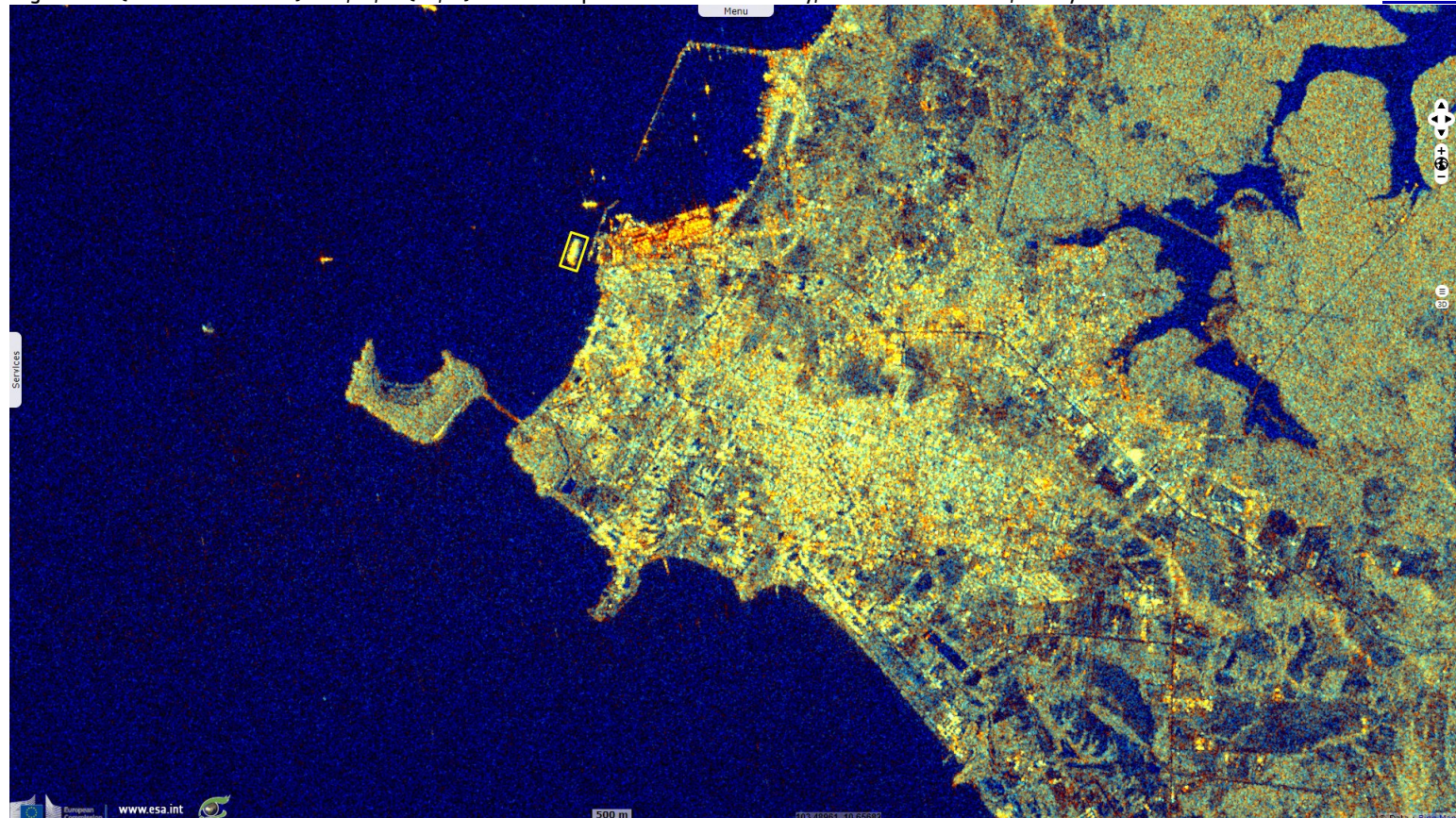
Fig. 1 - S2 (13.02.2020 03:28) - 4,3,2 natural colour - Sihanoukville port, Cambodia, few hours before Westerdam arrived.

[2D view](#)



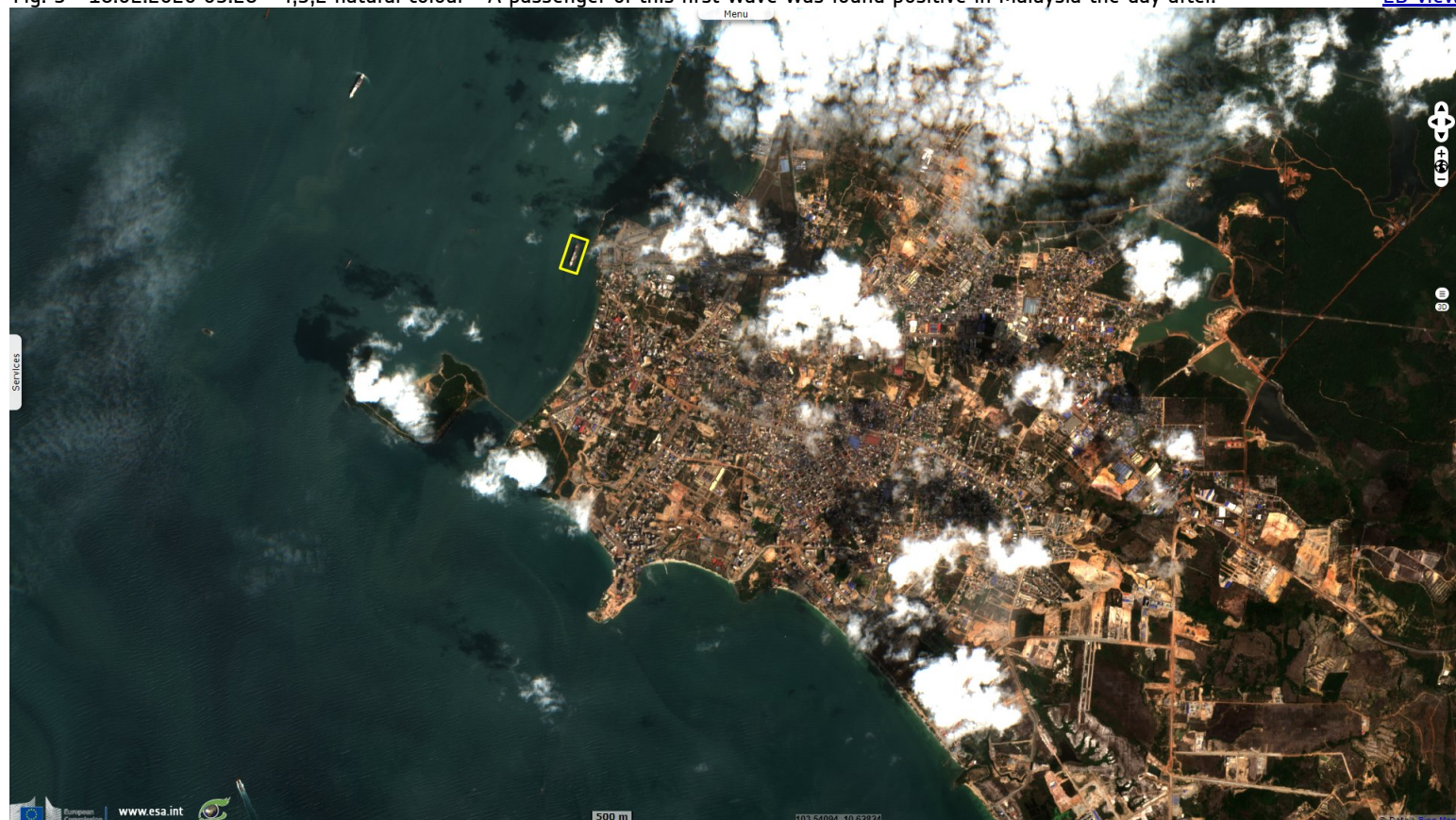
After its stop in Hong Kong, Westerdam cruise ship was denied access to Japan, Taiwan, Philippines, Guam and Thailand over concerns regarding coronavirus COVID-19.

Fig. 2 - S1 (13.02.2020 11:19) - vv,vh,ndi(vh,vv) colour composite - Later in the day, Westerdam arrived, finally allowed to dock somewhere. [2D view](#)



On 13.02.2020, the ship was finally allowed to dock in Sihanoukville, Cambodia. The day after, a first wave of hundreds of passengers departed, after they submitted to a simple temperature test on 10.02.2020.

Fig. 3 - 18.02.2020 03:28 - 4,3,2 natural colour - A passenger of this first wave was found positive in Malaysia the day after. [2D view](#)















The path of all others who left on 14.02.2020 thus has to be retraced. All who had not disembarked yet have been tested negative by Pasteur Laboratory on 18.02.2020.

Fig. 4 - 19.02.2020 11:19 - vv,vh,vv colour composite - On 20.02.2020, all 747 crew on board Westerdam were tested negative for COVID-19. [2D view](#)



*The views expressed herein can in no way be taken to reflect the official opinion of the European Space Agency or the European Union.
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