Sentinel Vision
SED-906
21 July 2021

3D Layerstack

A hurricane narrowly avoided an ultra deep offshore drilling ship in Gulf of Mexico, USA

Sentinel-1 CSAR IW acquired on **26 October 2020** from 00:09:35 to 00:10:00 UTC
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Sentinel-1 CSAR SM acquired on **28 October 2020** from 11:59:03 to 11:59:53 UTC
Sentinel-3 SLSTR RBT acquired on **28 October 2020** from 16:13:09 to 16:16:09 UTC

Author(s): Sentinel Vision team, VisioTerra, France - svp@visioterra.fr

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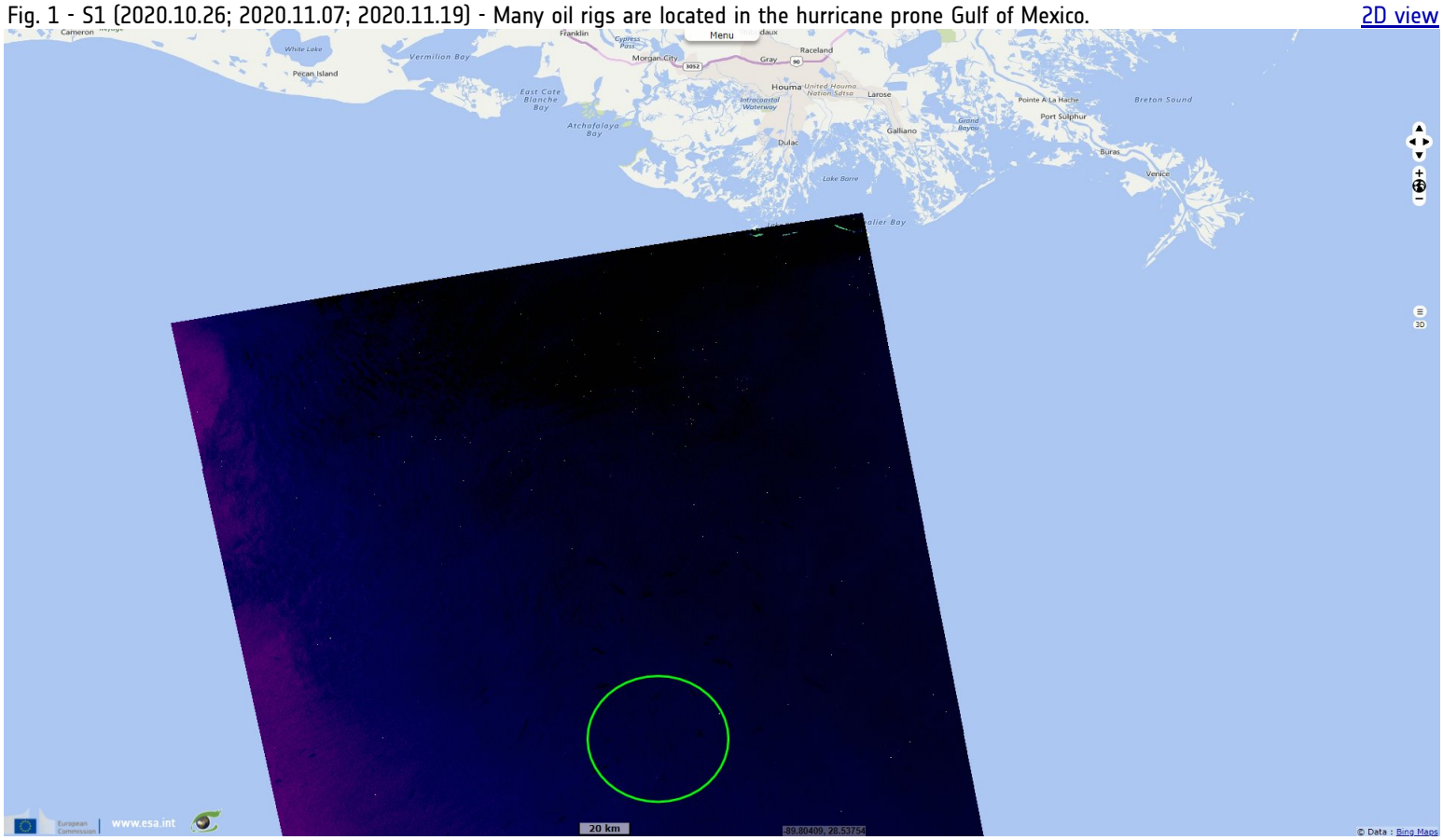
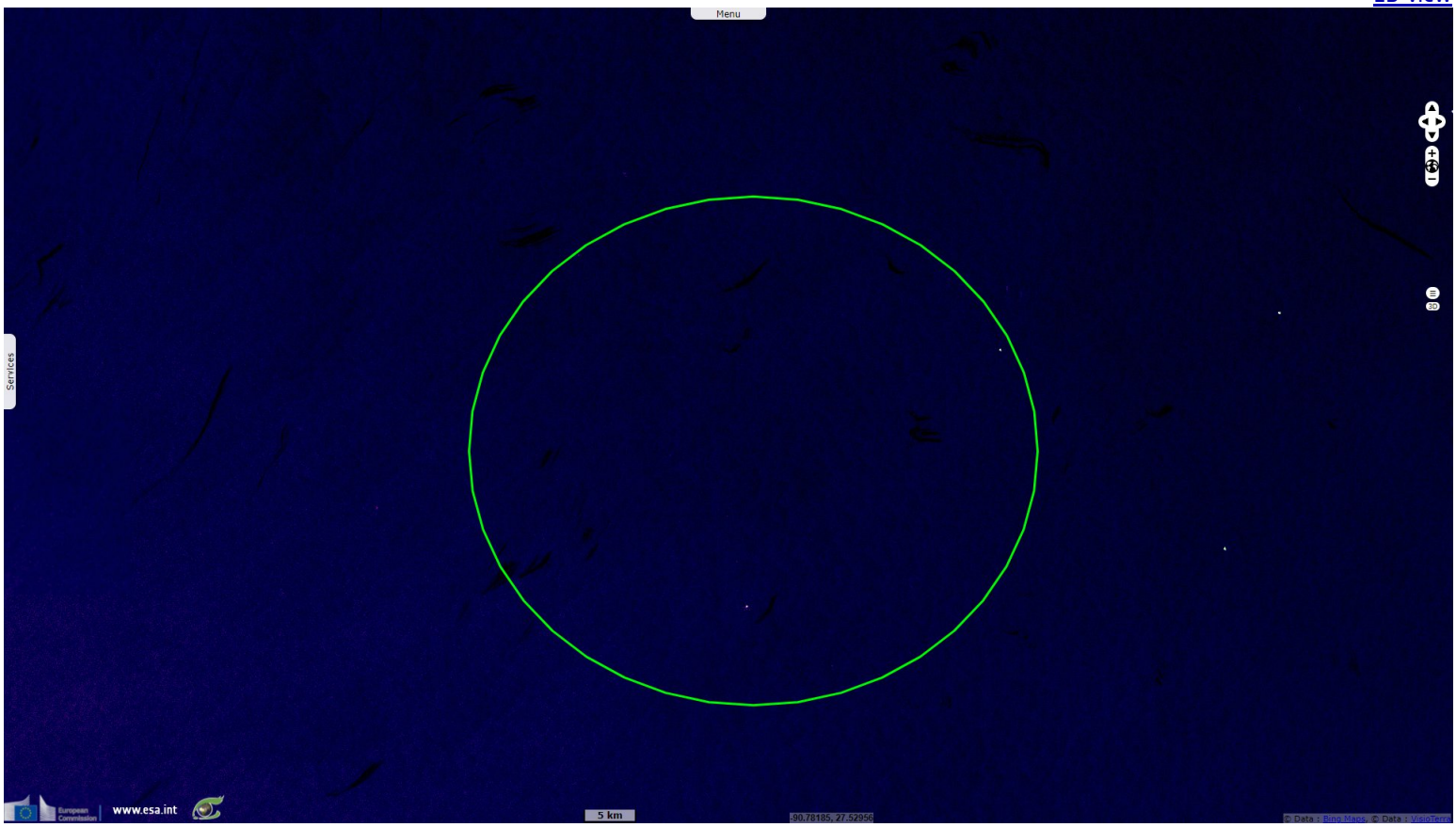
Fig. 1 - S1 (2020.10.26; 2020.11.07; 2020.11.19) - Many oil rigs are located in the hurricane prone Gulf of Mexico. 2D view



Transocean-owned Deepwater Asgard is a drill ship that was operating in the area enclosed in green by end October 2020.

Fig. 2 - Zoom of the approximate location: numerous oil seeps are visible near the two platforms, attesting the likely presence of an oil reservoir underneath.

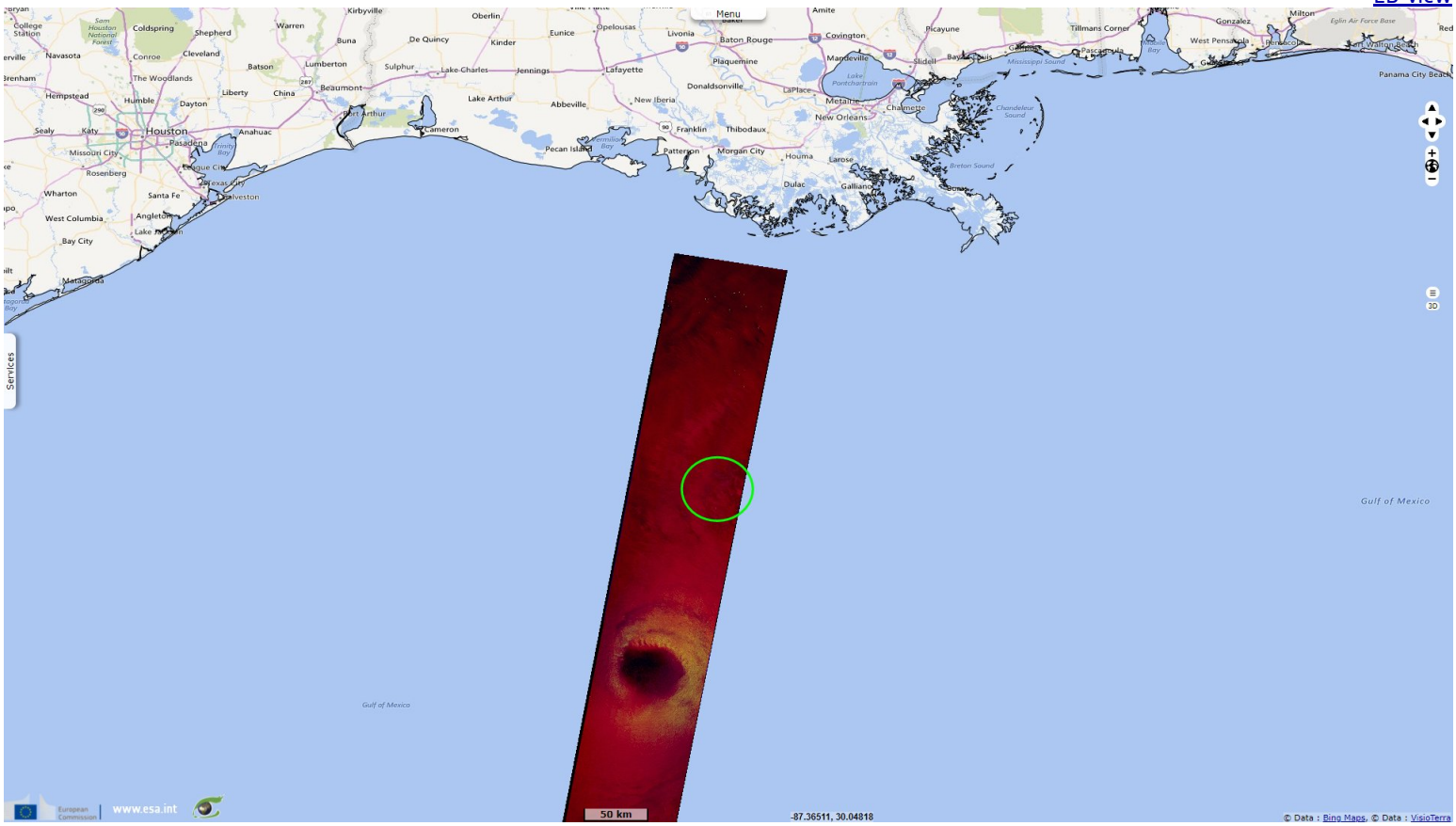
2D view



It was then drilling even further & deeper than its sister-rig, the infamous Deepwater Horizon that caused the largest recorded offshore oil spill, on 20 April 2020.

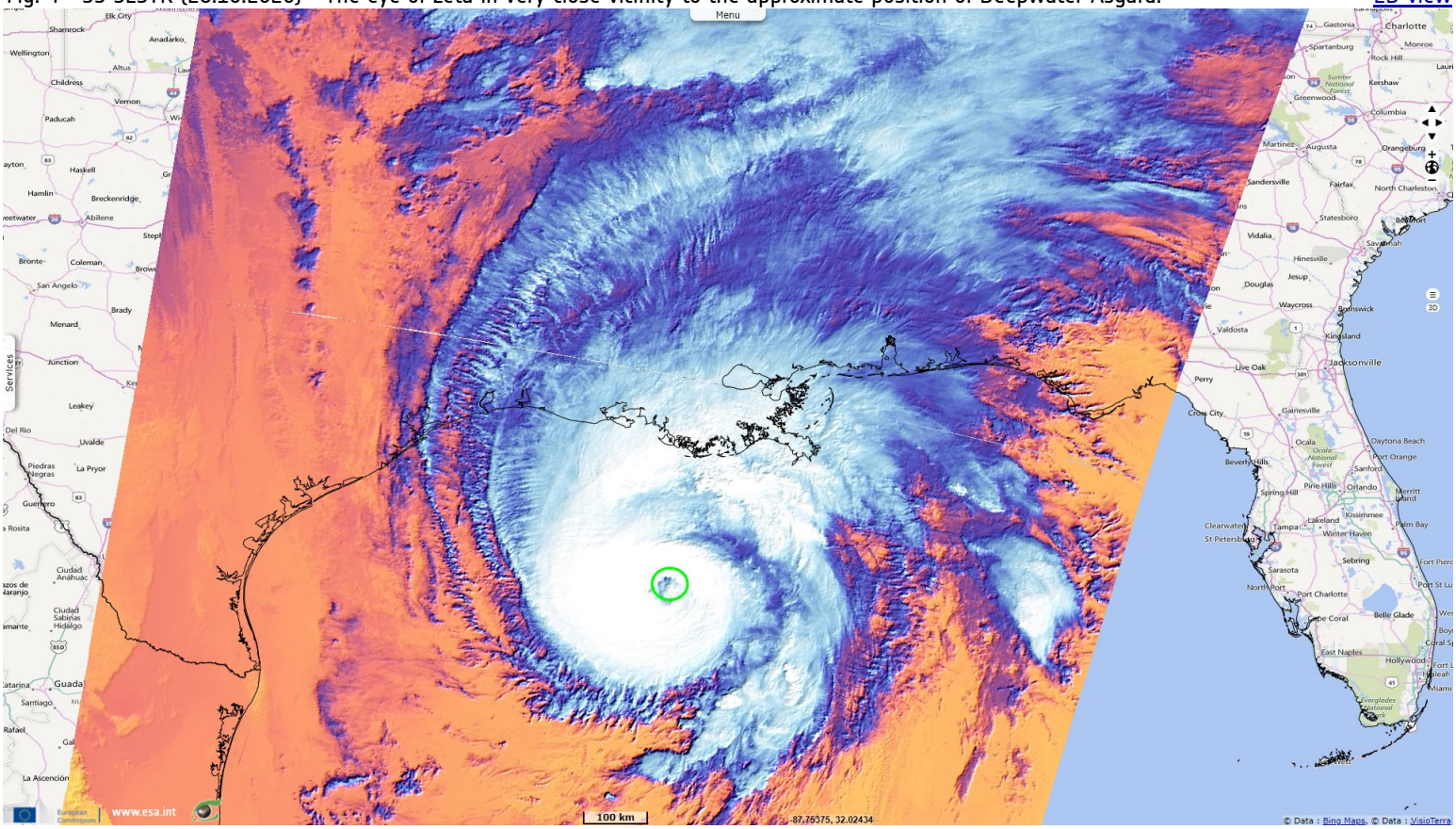
Fig. 3 - S1 (28.10.2020) - It was discovered it was on the path of cat-3 Hurricane Zeta but Transocean chose did not stop the operations to evacuate its workers,

2D view



They chose to send in more workers to try to complete the drill before Zeta arrived. This risky move was a success but had it failed, it could have caused another Deepwater Horizon disaster with wells even harder to cement.

Fig. 4 - S3 SLSTR (28.10.2020) - The eye of Zeta in very close vicinity to the approximate position of Deepwater Asgard. 2D view



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