



S1 detects oil leaking from FPSO flowlines

Sentinel-1A C-SAR IW DV GRD acquired on 14 October 2014 at 05:13:52 GMT

Sentinel-1A C-SAR IW DV GRD acquired on 01 March 2017 at 17:44:11 GMT [2D_animation](#)

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2D

3D

Fig. 1 – S1 (14.10.2014) – VV polarisation with histogram equalization processing - Recurrent oil spills offshore Nigeria. [2D_view](#)

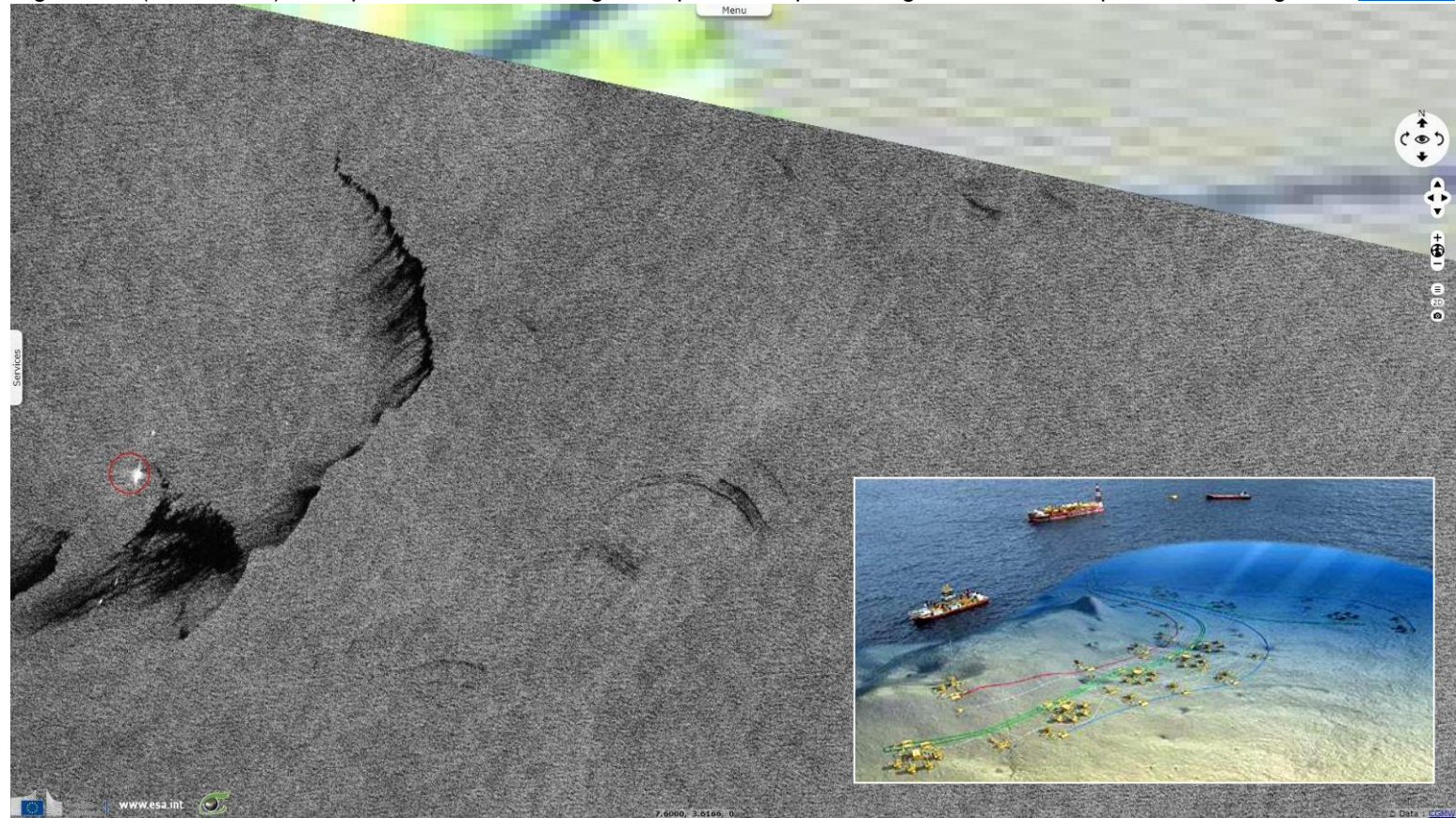


Fig. 2 - S1 (18.01.2016), multiple flowlines spills can be identified East of the USAN FPSO. [2D_view](#)

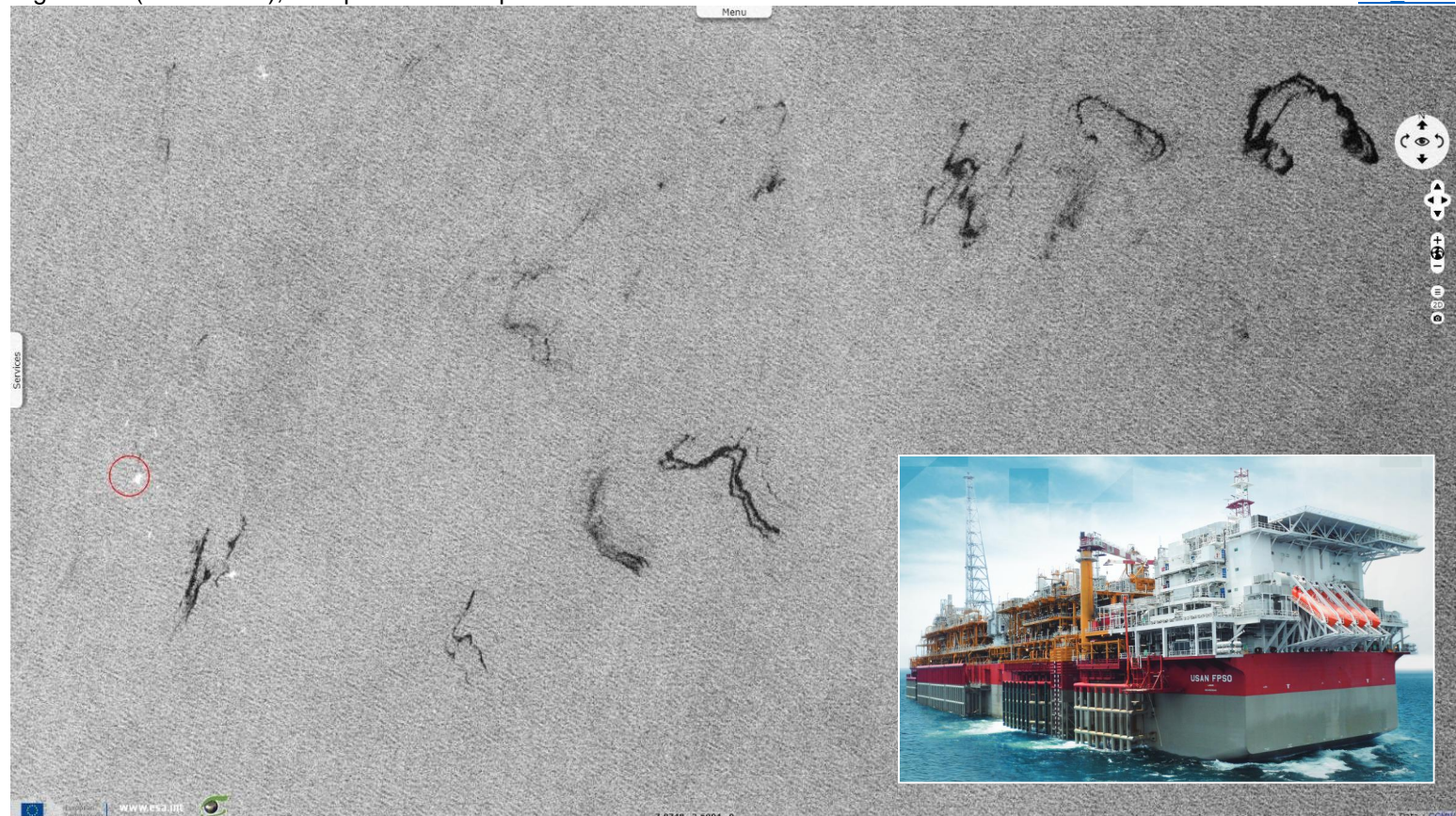


Fig. 3 - S1 (03.10.2016), smaller flowlines spills remain ponctual dark spots.

[2D view](#)

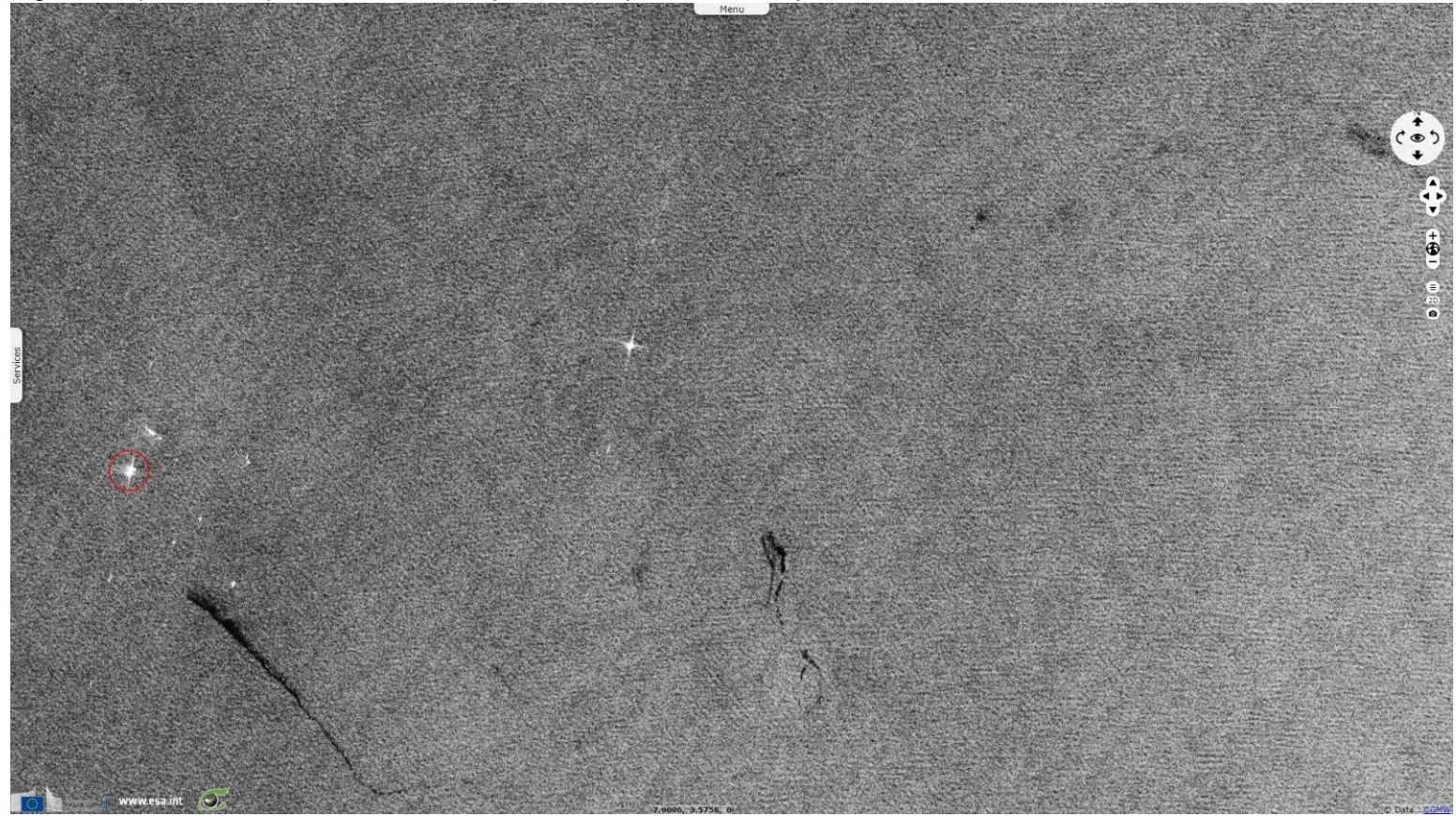


Fig. 4 - S1 (07.01.2017), surface spills are identified by the presence of a nearby bright point highlighting a vessel.

[2D view](#)

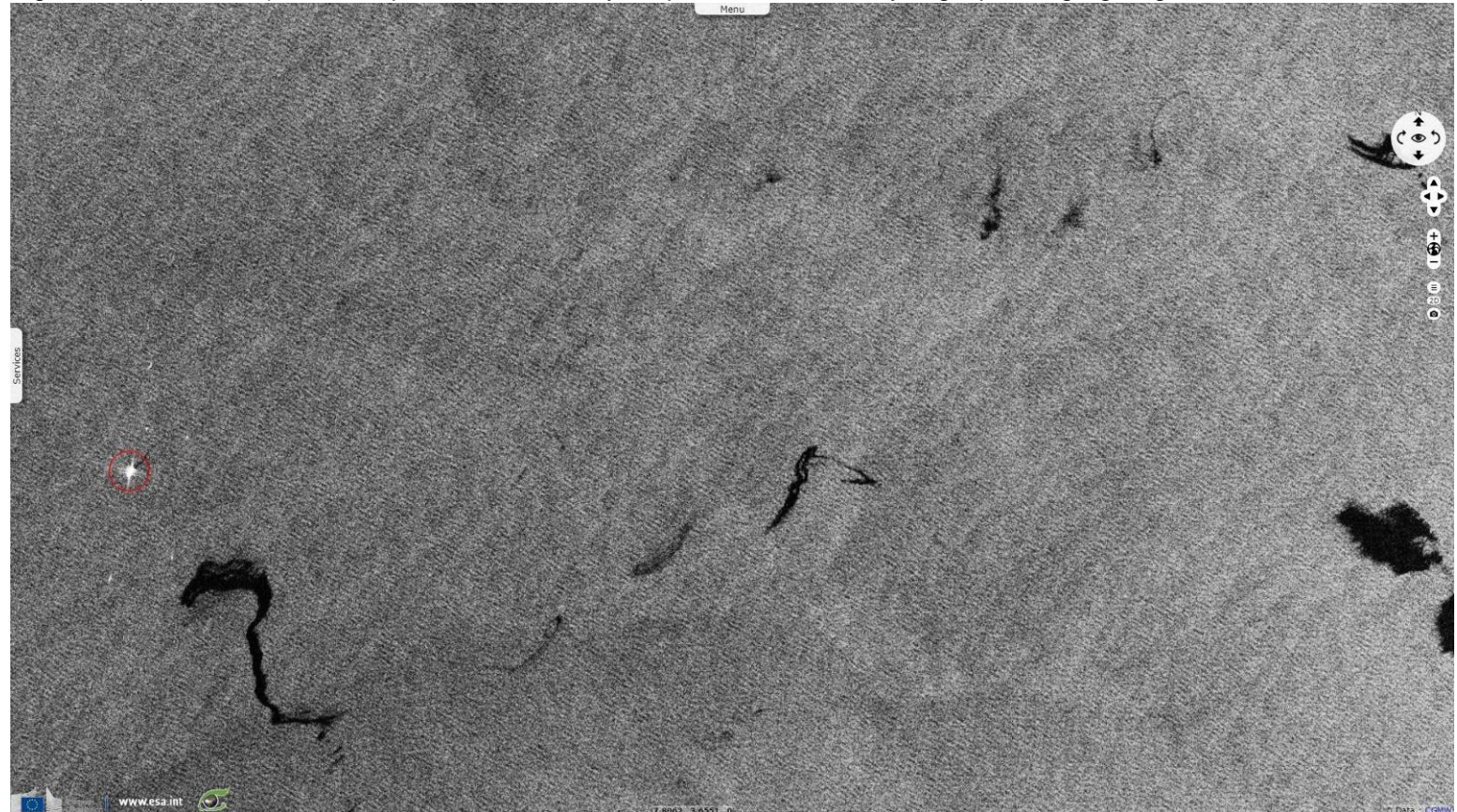


Fig. 5 - S1 (01.03.2017), bigger spills spread in parallel patterns according to current and wind.

[2D view](#)

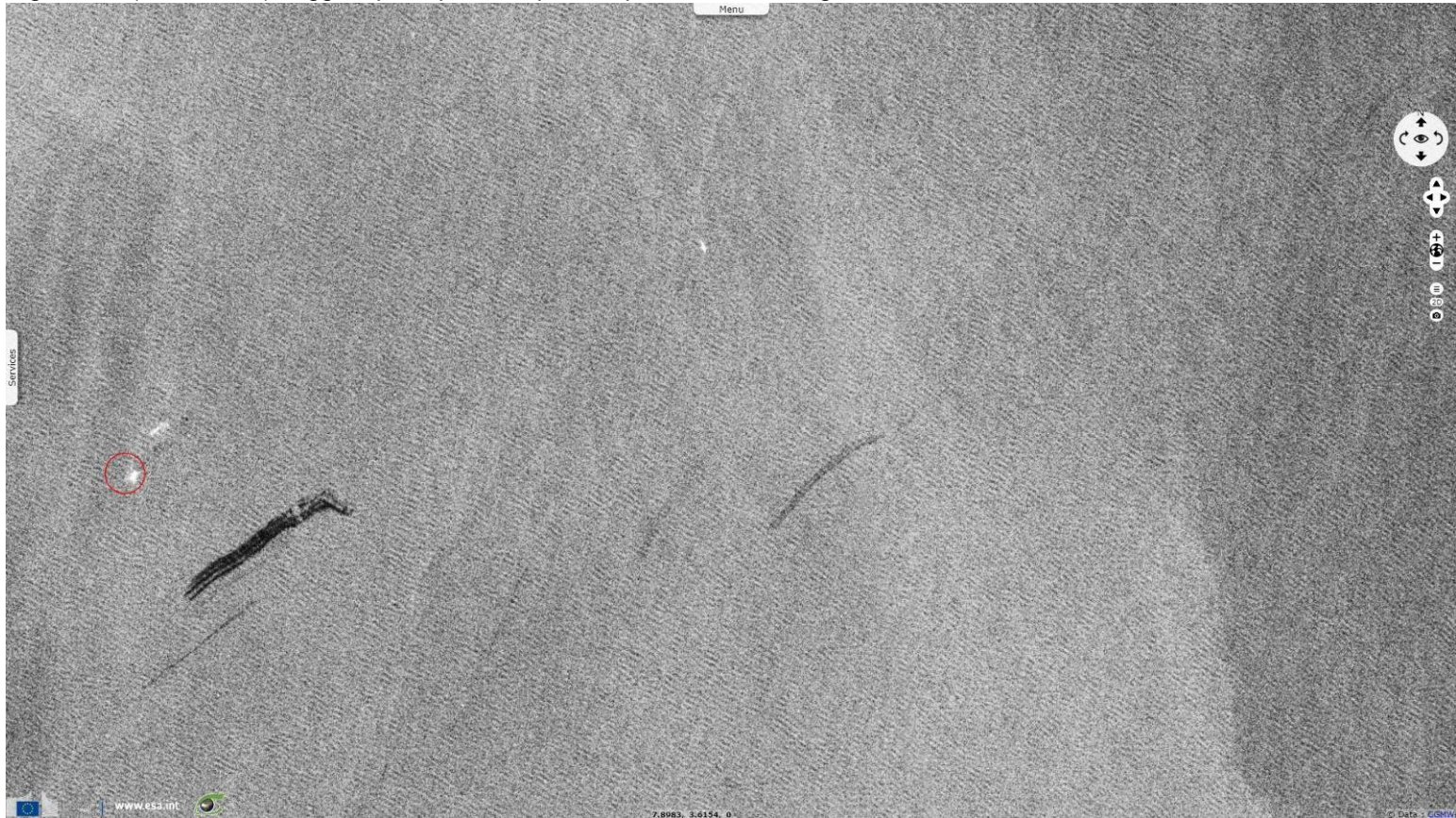
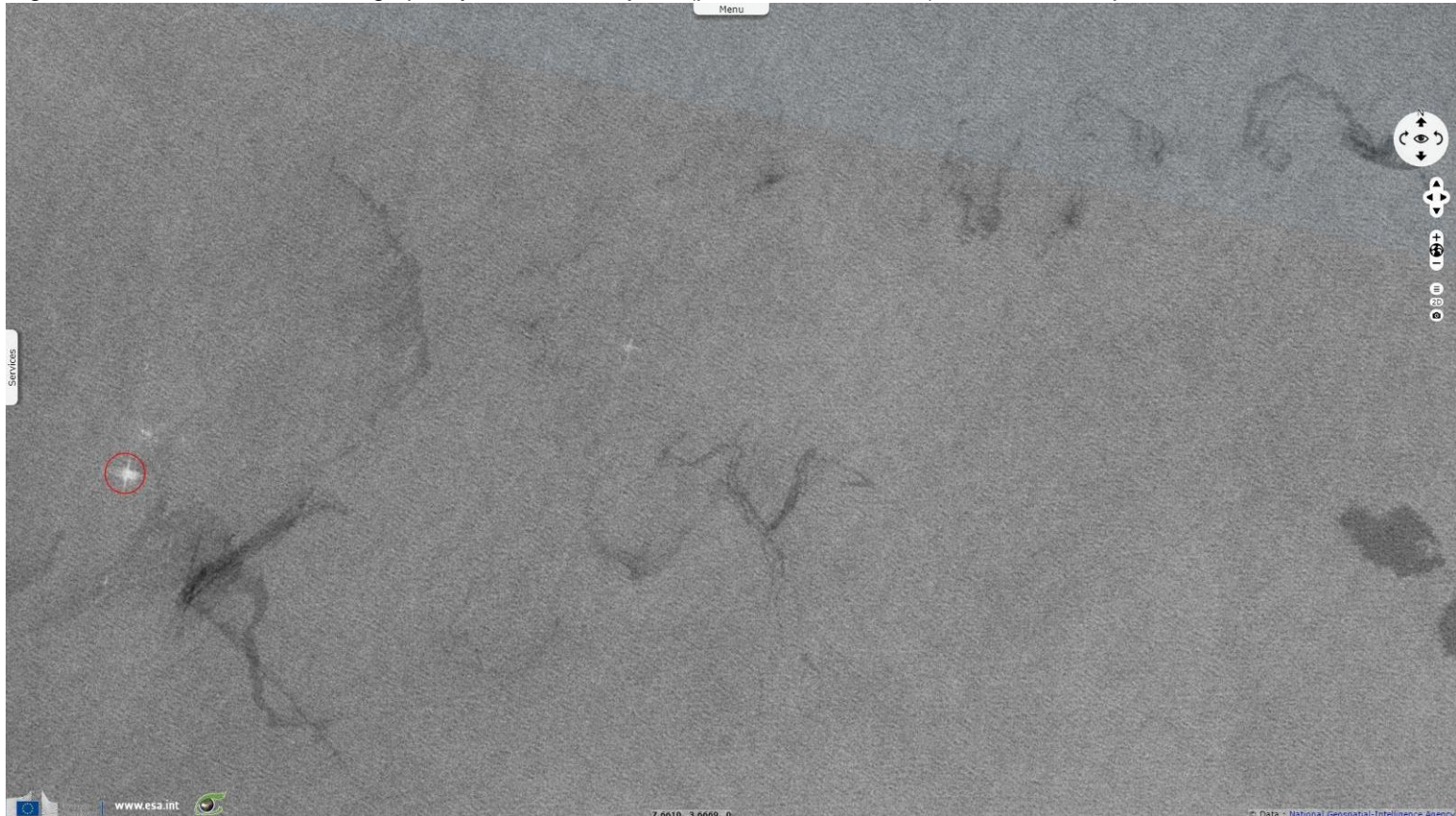


Fig. 6 – Full stack with decreasing opacity shows still objects (platforms and FPSOs) and recurrent spills.

[2D view](#) [3D view](#)



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