

# A building collapses in Surfside, Florida, United States

Sentinel-2 MSI acquired on 05 May 2021 at 16:05:11 UTC

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Sentinel-1 CSAR IW acquired on 03 July 2021 at 23:28:11 UTC

Sentinel-2 MSI acquired on 04 July 2021 at 16:05:11 UTC

Sentinel-3 SLSTR RBT acquired on 07 July 2021 at 03:19:45 UTC

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[2D Layerstack](#)

Fig. 1 - Surfside lies on a barrier island between the Atlantic Ocean & Biscayne Bay, in the suburb of Miami, Florida, USA.

[2D view](#)



Fig. 2 - S2 (05.05.2021) - On June 24, 2021, a 12-story beachfront condominium partially collapsed.

[2D view](#)

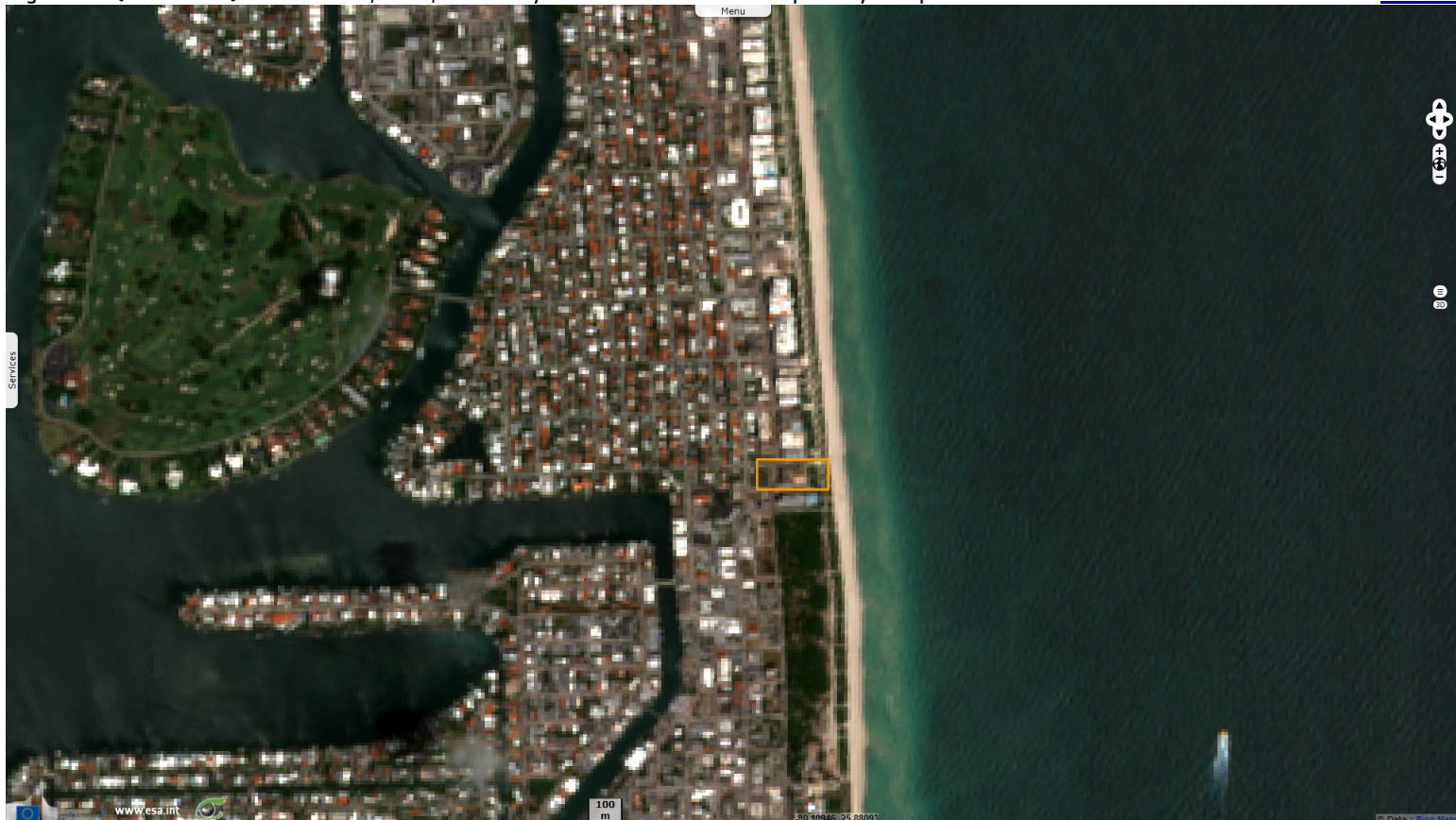




Fig. 3 - S2 (04.07.2021) - As of July 8, 2021, a total of 64 people are confirmed to have died, while 76 people remain missing.

[2D view](#)

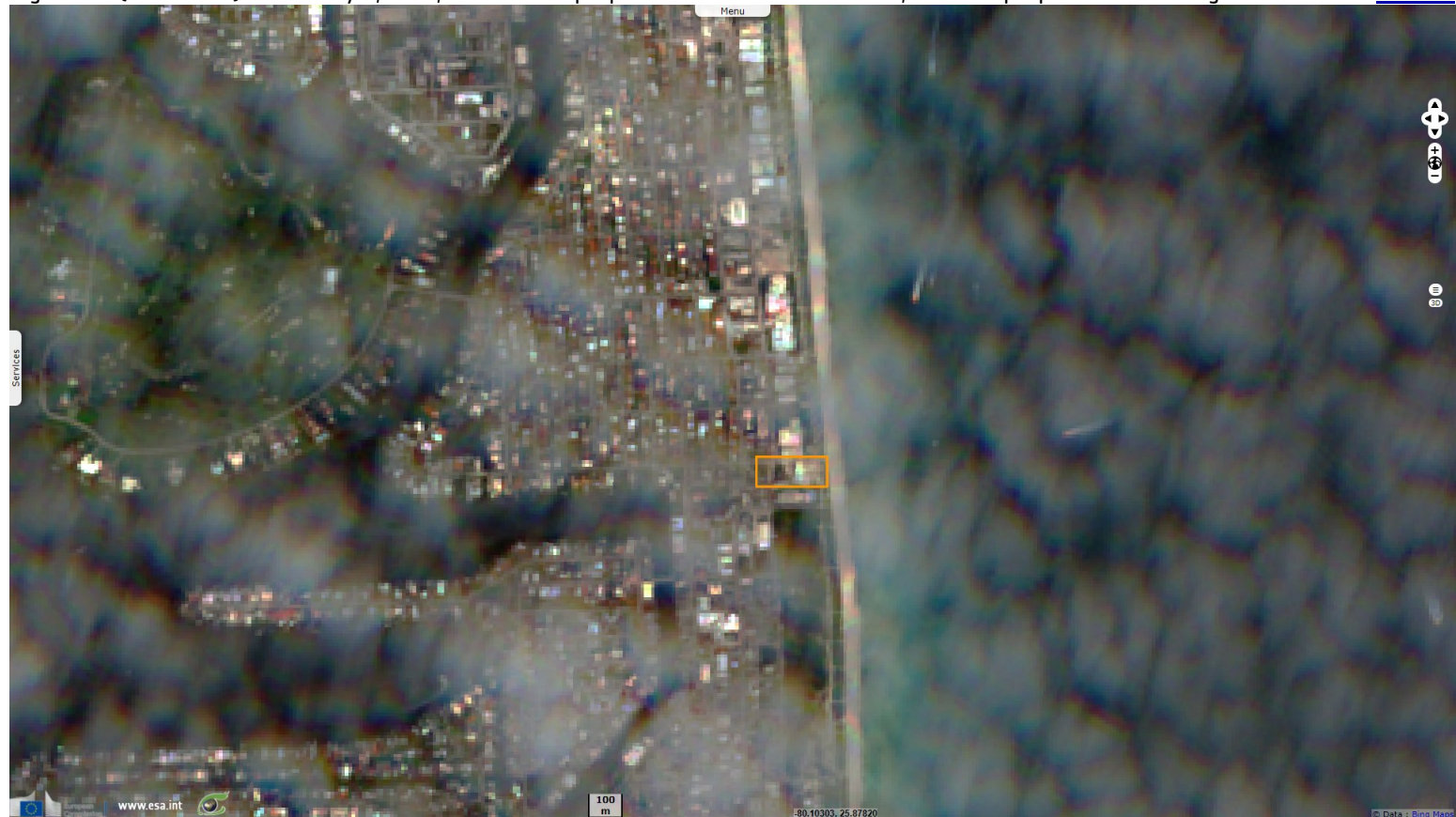


Fig. 4 - S1 (28.05.2021, 09 & 21.06.2021) - A defectively constructed pool deck and excessive ingress of salt water seem to be responsible.

[2D view](#)



They may have caused long-term degradation of reinforced concrete support structures in the underground parking garage.



Fig. 5 - S1 (03.07.2021) - The 1981-built condominium suffered a type of progressive collapse after the pool deck first caved in.

[2D view](#)

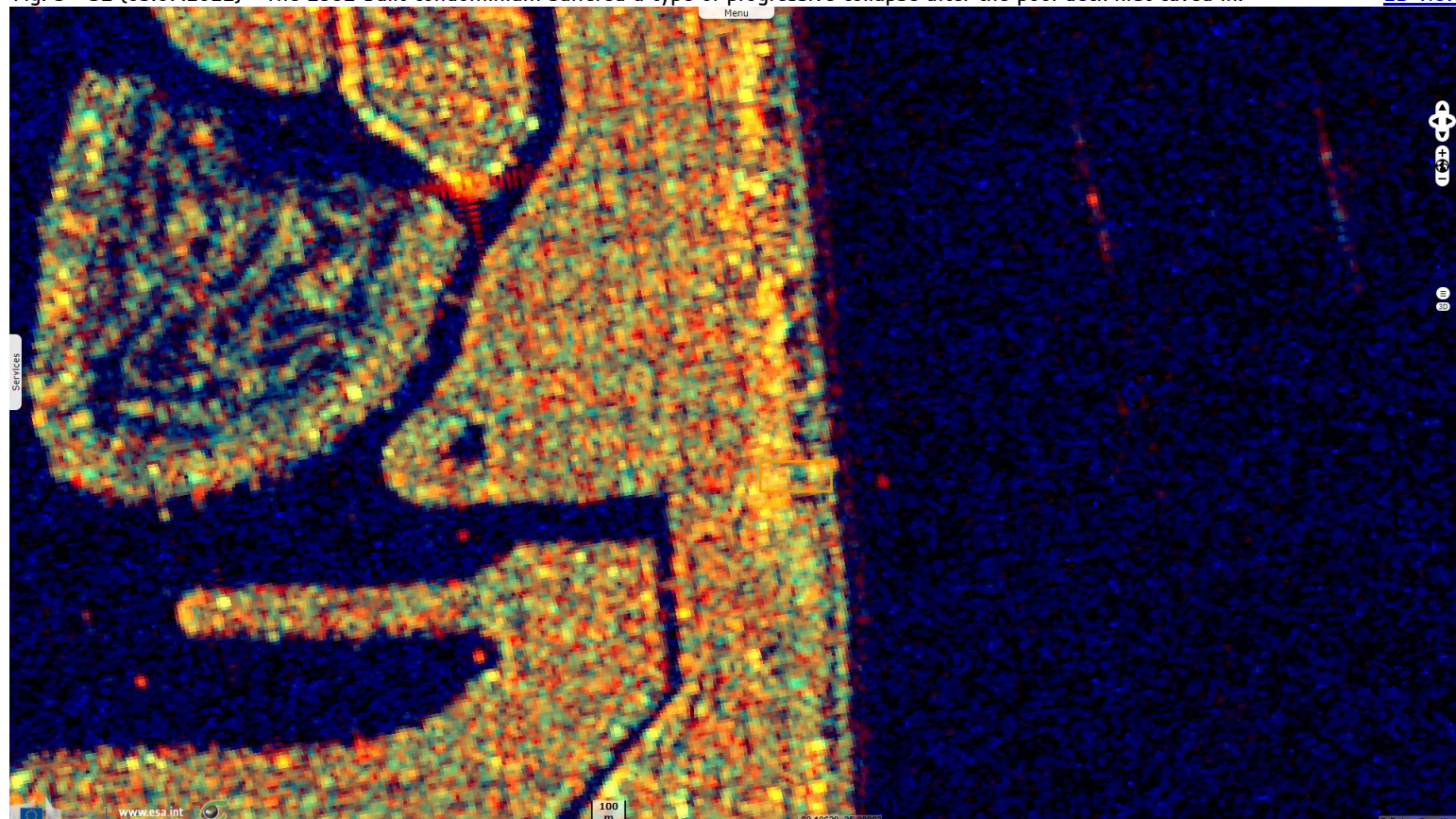
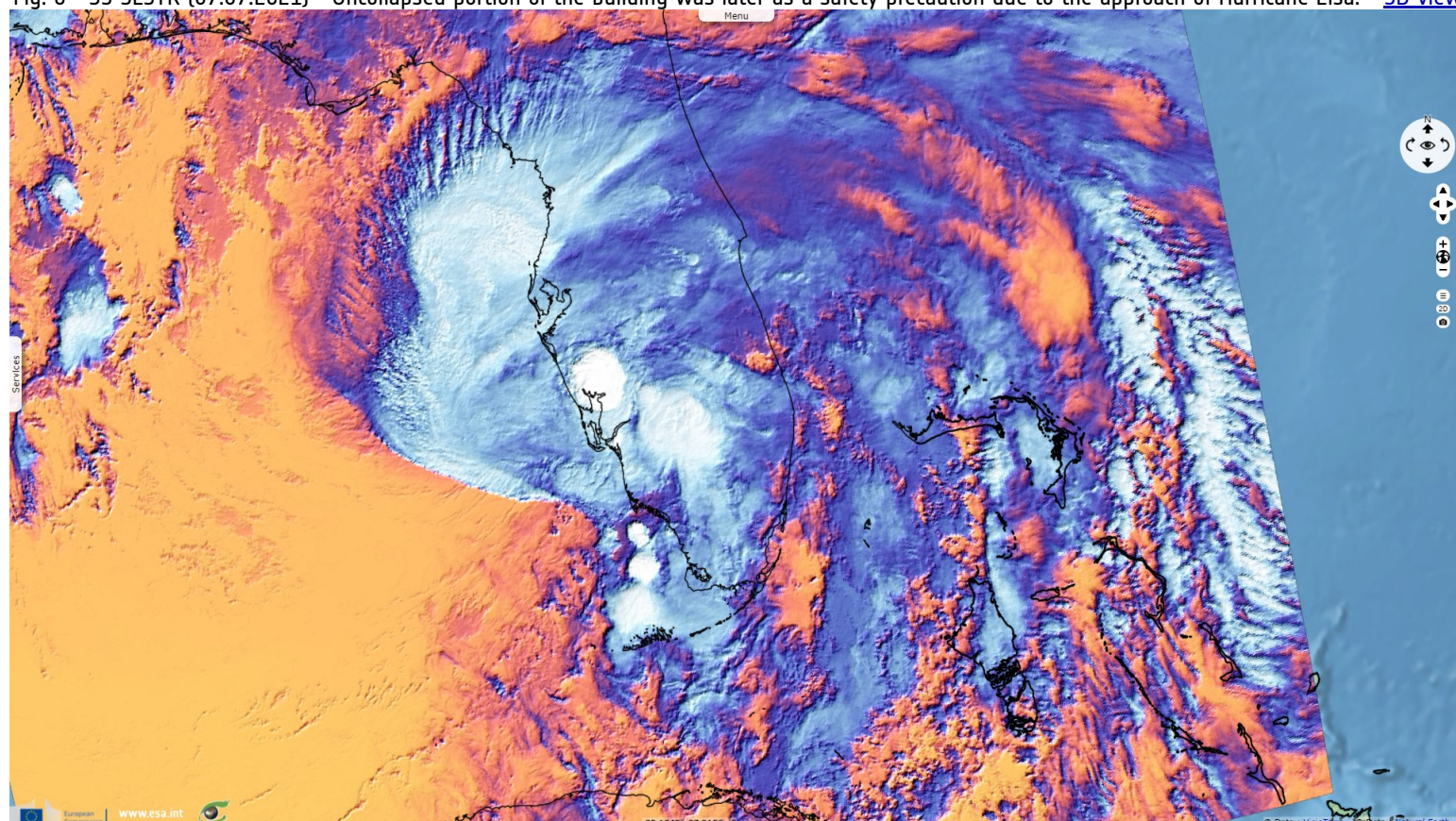














Fig. 6 - S3 SLSTR (07.07.2021) - Uncollapsed portion of the building was later as a safety precaution due to the approach of Hurricane Elsa.

[3D view](#)



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