

Vredefort crater, South Africa

Sentinel-1 CSAR IW acquired on **05 July 2017** at 16:46:28 UTC

Sentinel-2 MSI acquired on **31 December 2017** at 08:03:31 UTC

Sentinel-2 MSI acquired on **02 January 2018** at 07:53:19 UTC

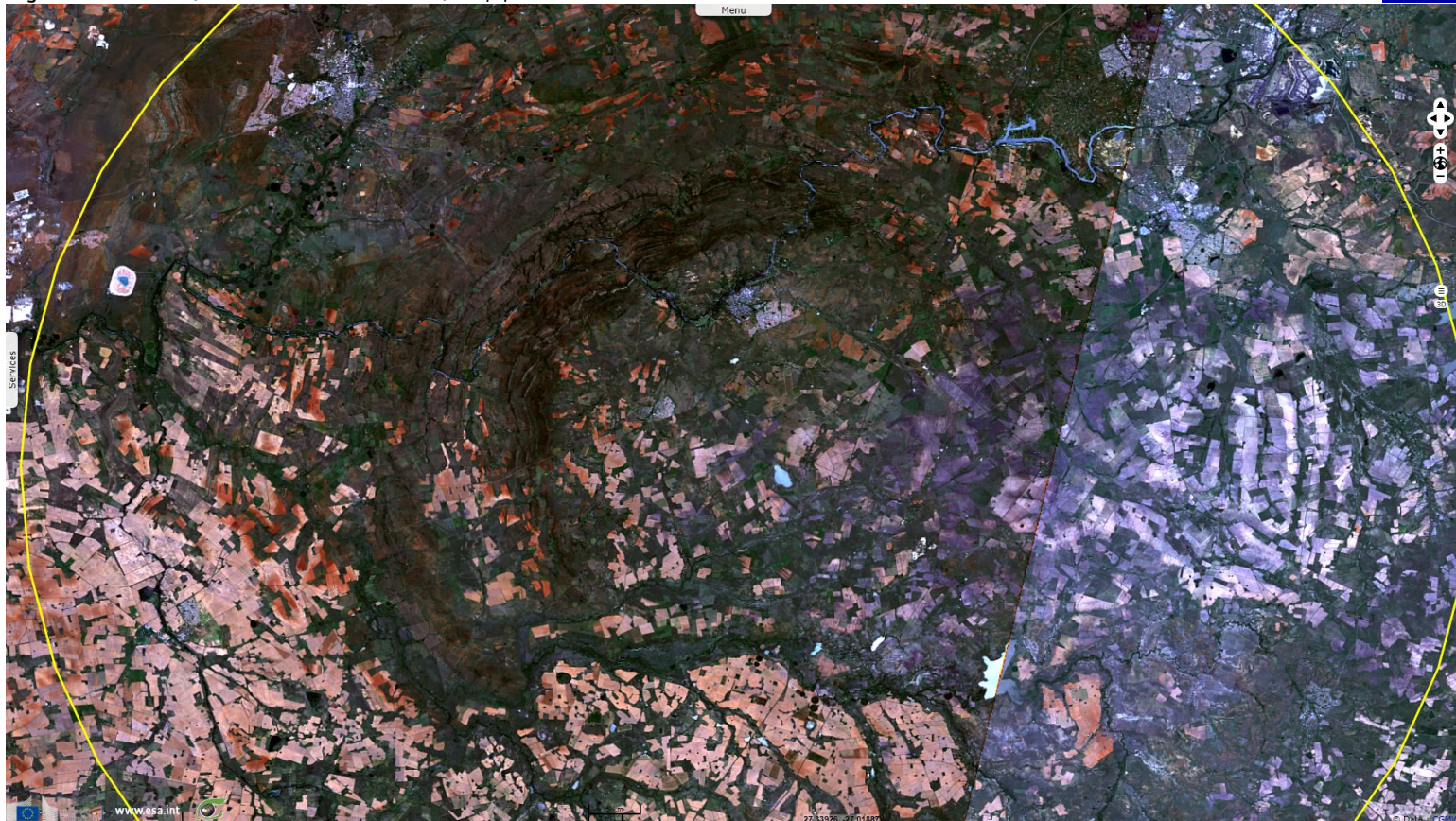
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Keyword(s): Impact crater, asteroid, erosion, craton, rings, South Africa, RSA

[2D Layerstack](#)

Fig. 1 - Sentinel-2 (31.12.2017 & 02.01.2018) - 4,3,2 natural colour - Circular features around Vredefort dome.

[2D view](#)



Following Asteroid day last Saturday, this story highlights Vredefort crater in South Africa, the largest verified impact crater on Earth.

Fig. 2 - Sentinel-1 (05.07.2017) - vv,vh,ndi(vh,vv) colour composite - Two billion years ago, it was 300km wide; most since eroded.

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

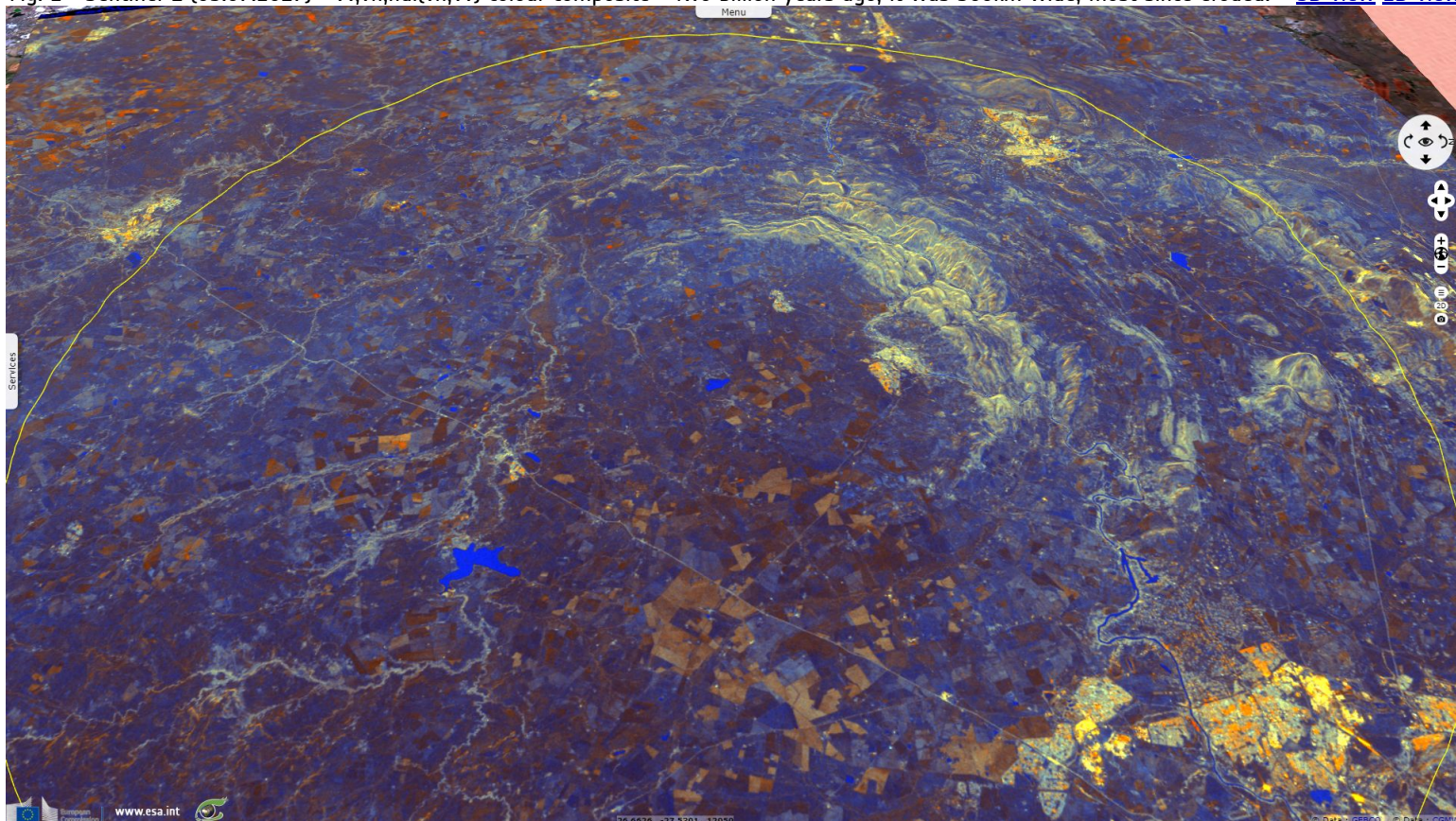


Fig. 3 - 11,8,2 colour composite, relief x10 - The Kalahari craton is old enough to bear this ancient scar to this day.

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

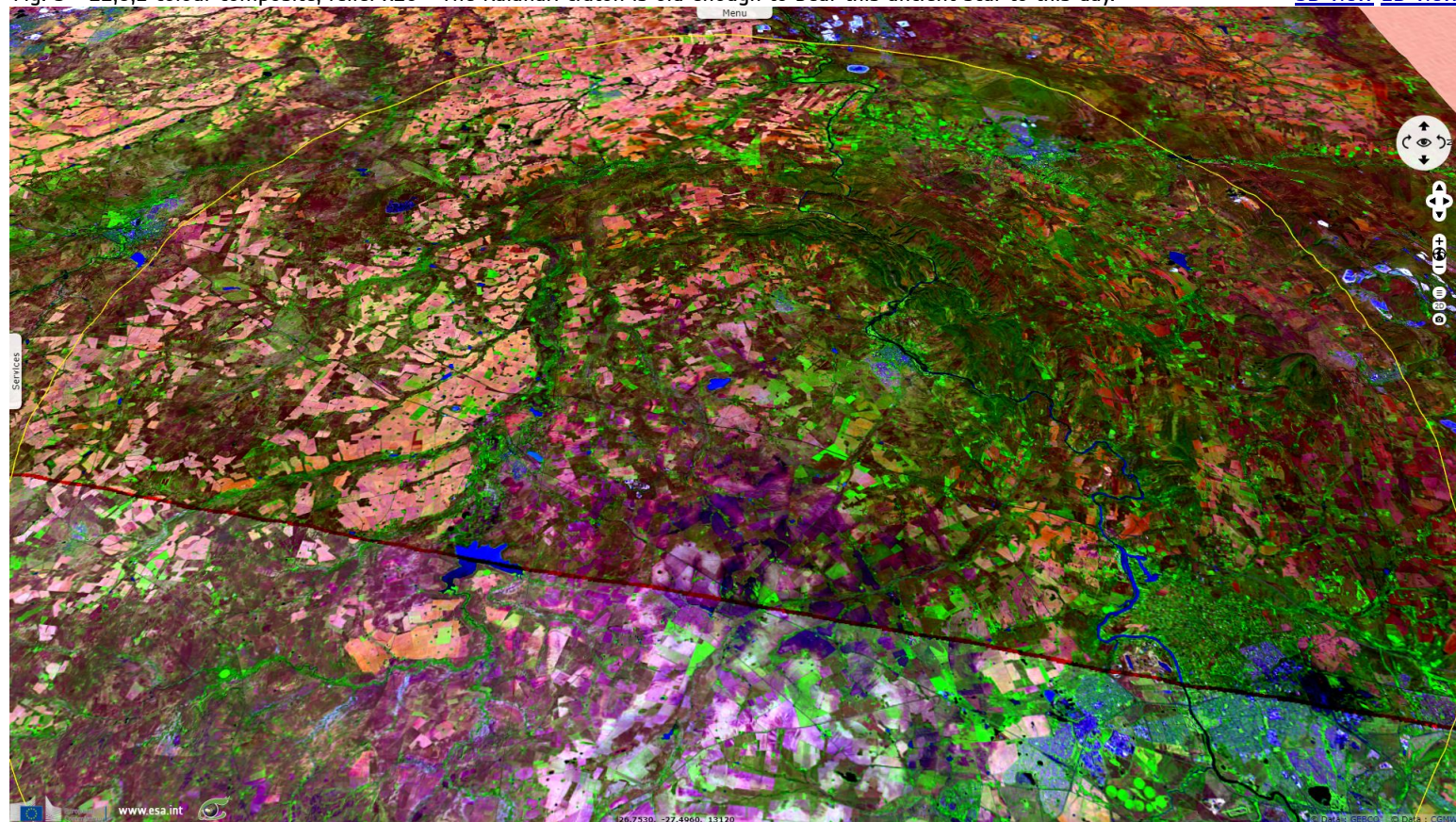
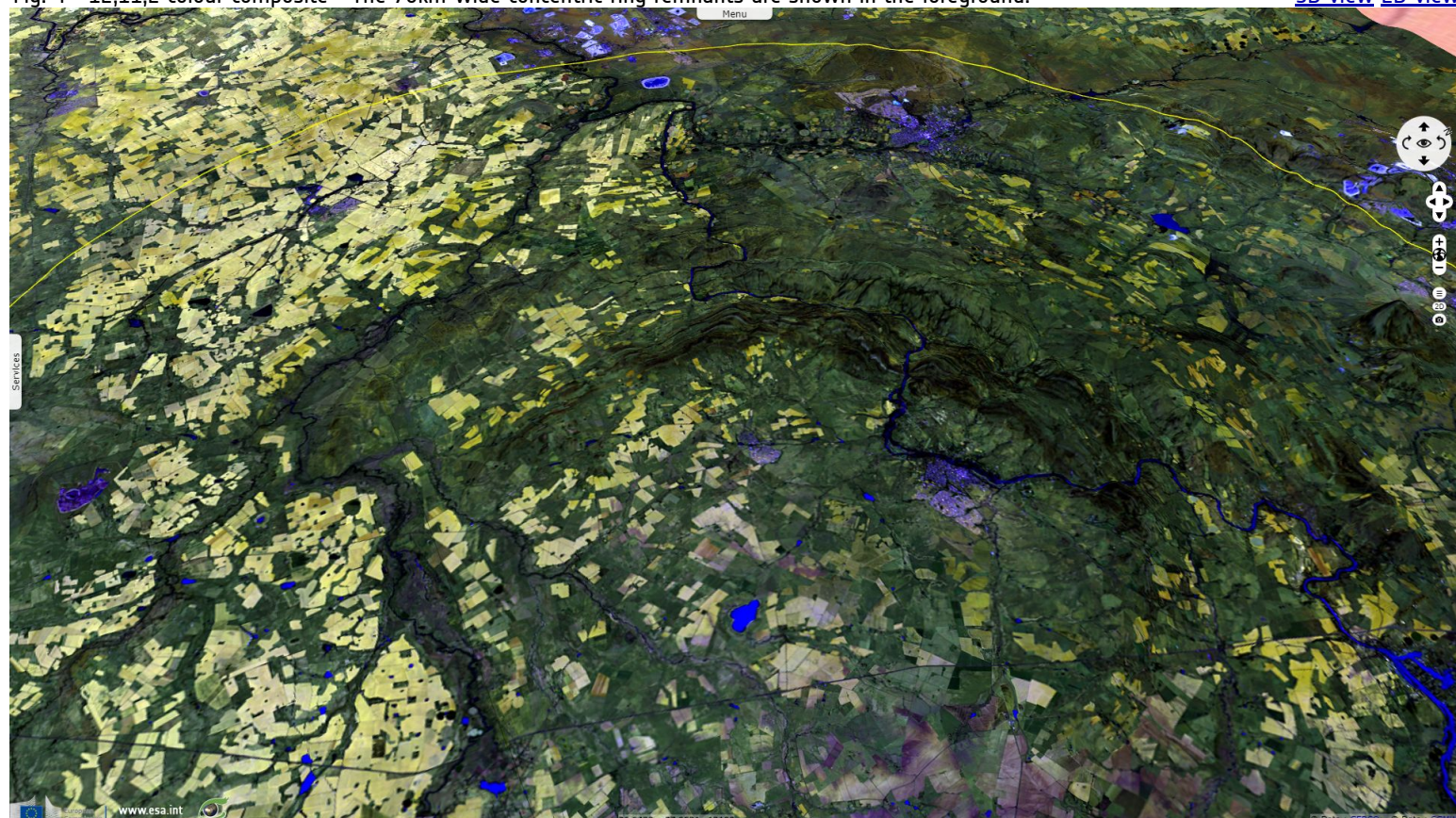


Fig. 4 - 12,11,2 colour composite - The 70km-wide concentric ring remnants are shown in the foreground.

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



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