

# Araguainha crater, Brazil

Sentinel-1 CSAR IW acquired on 21 August 2018 at 09:01:56 UTC  
Sentinel-1 CSAR IW acquired on 02 September 2018 at 09:01:57 UTC

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Sentinel-1 CSAR IW acquired on 05 June 2019 at 09:01:58 UTC  
Sentinel-2 MSI L2A acquired on 05 June 2019 at 13:42:19 UTC

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Keyword(s): Impact crater, geology, asteroid, rings, land, Brazil



[3D Layerstack](#)

Fig. 1 - S2 (05.06.2019) - 4,3,2 natural colour - Araguainha crater in Brazil is largest known impact in South America

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



Fig. 2 - S2 (05.06.2019) - 12,11,2 colour composite - The asteroid crashed ~250 Myears ago when the region was probably a shallow sea.

[3D view](#)

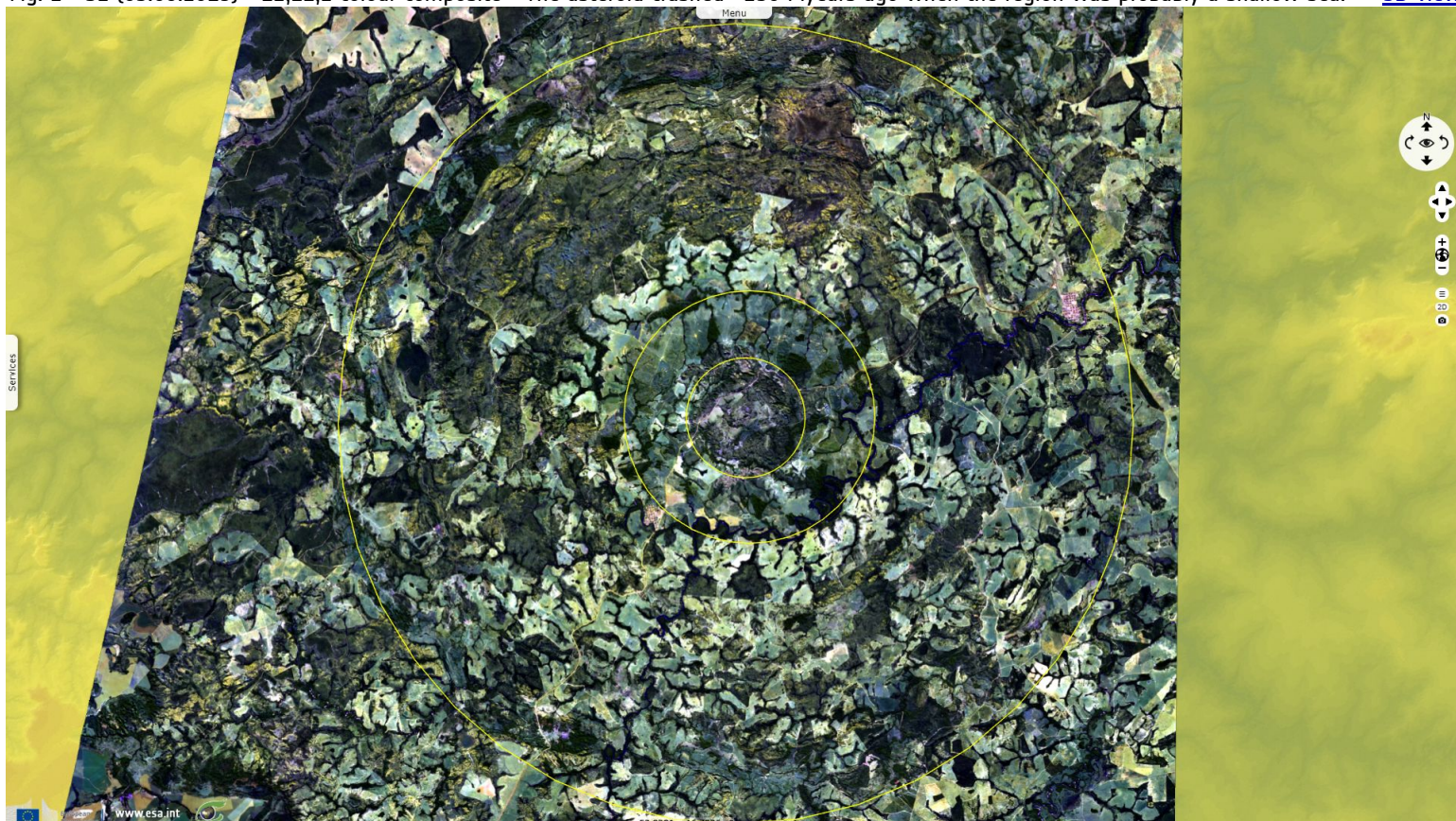




Fig. 3 - S1 (12 & 24.05.2019, 05.06.2019) - neg(vh,vv,vh) composite - 24 km wide & 2.4 km deep, it widened to 40 km as its walls subsided. [3D view](#)

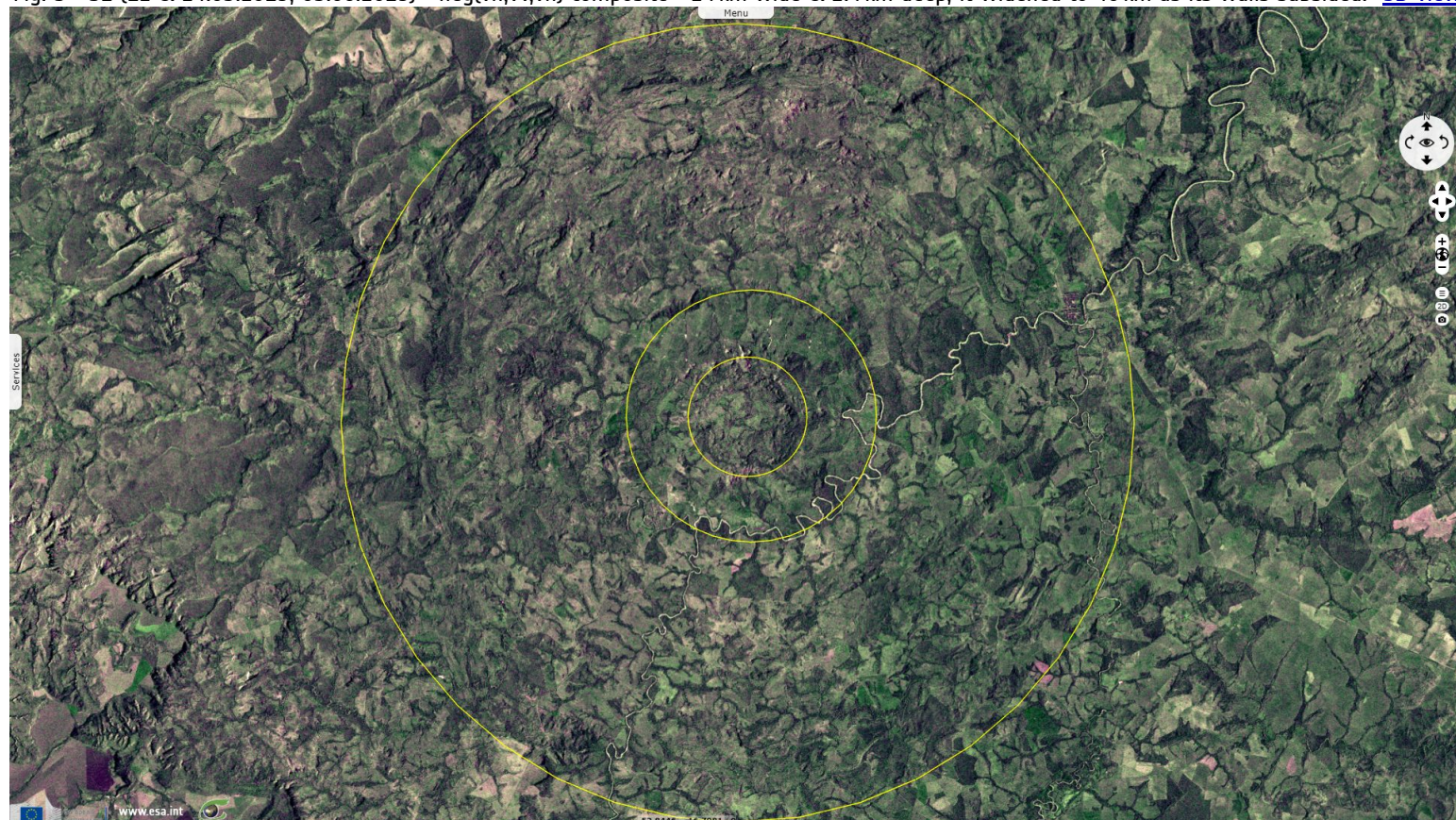


Fig. 4 - S1 (21.08.2018, 02 & 14.09.2018) - Its uplifted central core is surrounded by low & high rings, an annular depression & an outer rim [3D view](#)



*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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