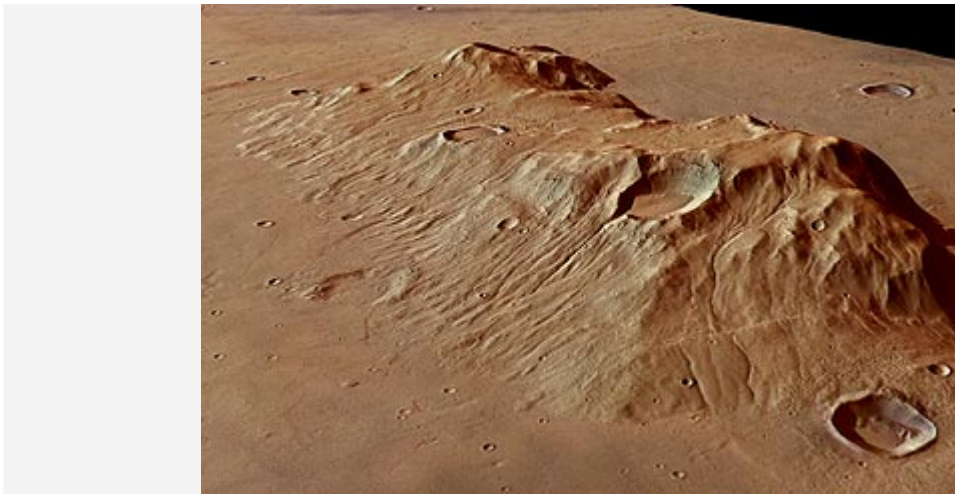


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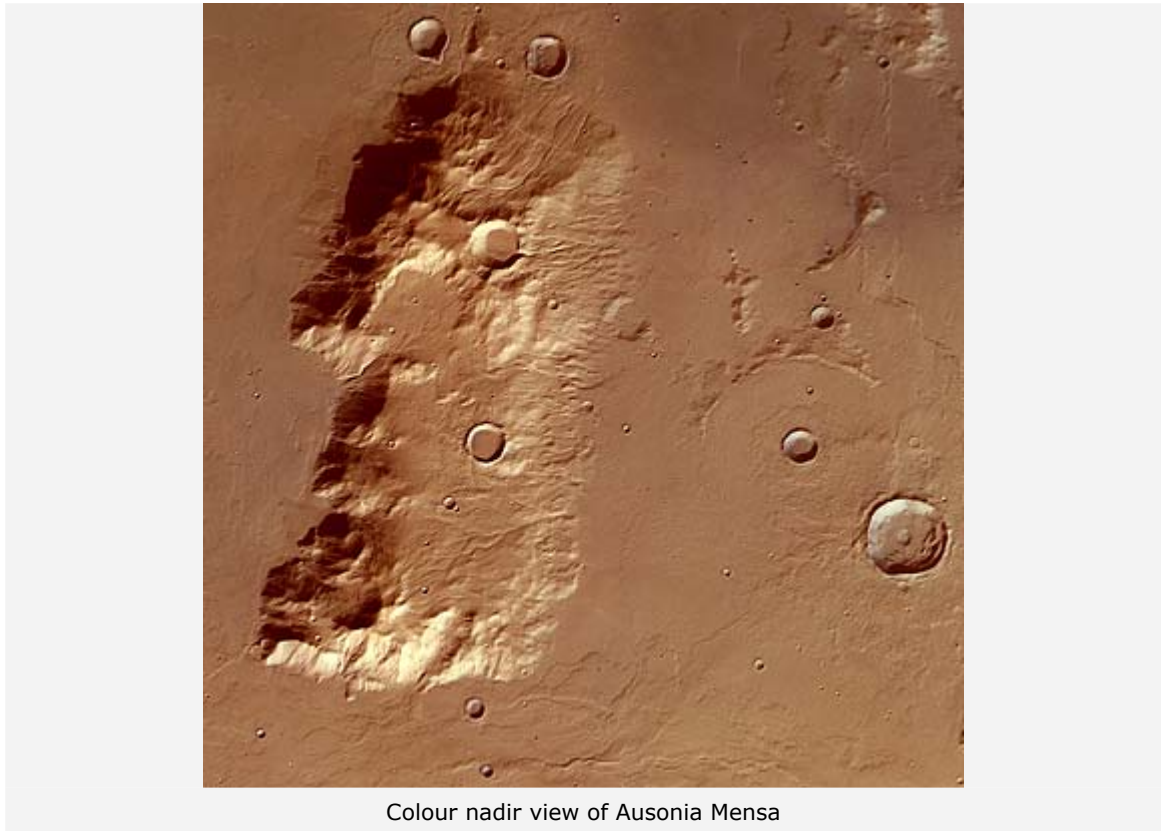
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**Ausonia Mensa in Hesperia Planum**

*28 February 2006*

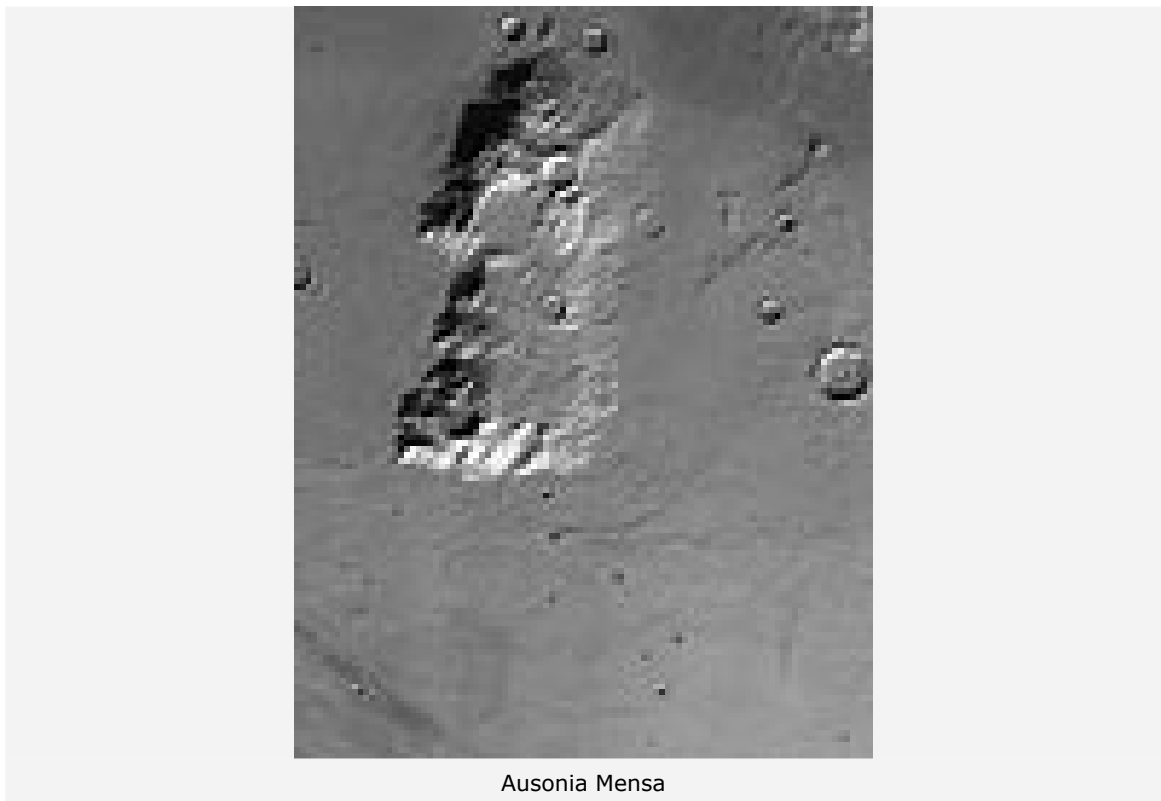


Ausonia Mensa, colour perspective view



Colour nadir view of Ausonia Mensa

These images, taken by the High Resolution Stereo Camera (HRSC) onboard the European Space Agency (ESA) Mars Express spacecraft, show a part of the southwest region of the Ausonia Mensa massif. The area is situated at the edge of Hellas, the largest impact basin on Mars. The HRSC is operated by the German Aerospace Center (DLR).



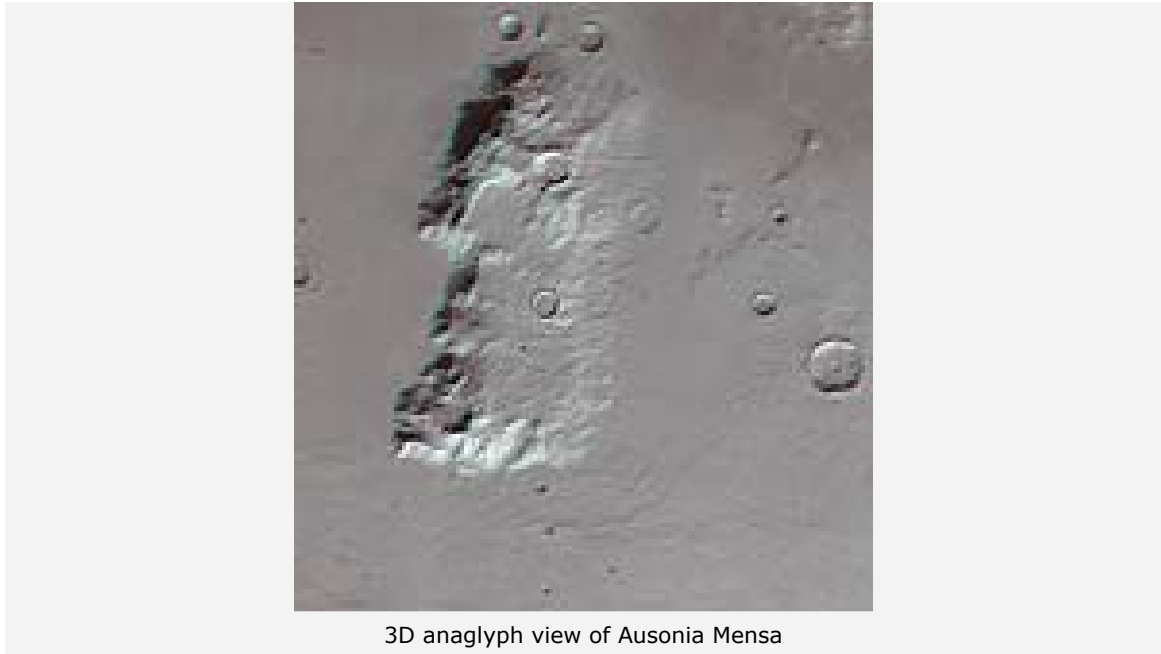
AUSONIA MENSA

Ausonia Mensa is a large remnant mountain (a 'Zeugenberg') with several impact craters, rising above basaltic sheet layers. The mountain stretches over an area of about 98 kilometres by 48 kilometres and has an elevation of 3700 metres. A large crater, approximately 7.5 kilometres in diameter and 870 metres deep, has been partially filled with sediment. The northern flank of the crater is broken by a large gully caused by erosion.

Numerous branched channels, also resulting from erosion, run along the edge of top of the plateau toward the plains at the foot of the mountain.

The western flank of the mountain is dominated by a large crater, about six kilometres in diameter, which clearly shows an ejecta blanket and secondary cratering.

Aeolian, or 'wind-created', structures are visible about 50 kilometres to south-east of the massif, indicating channeling of atmospheric flow. They are clearly visible because of their different colour.



3D anaglyph view of Ausonia Mensa

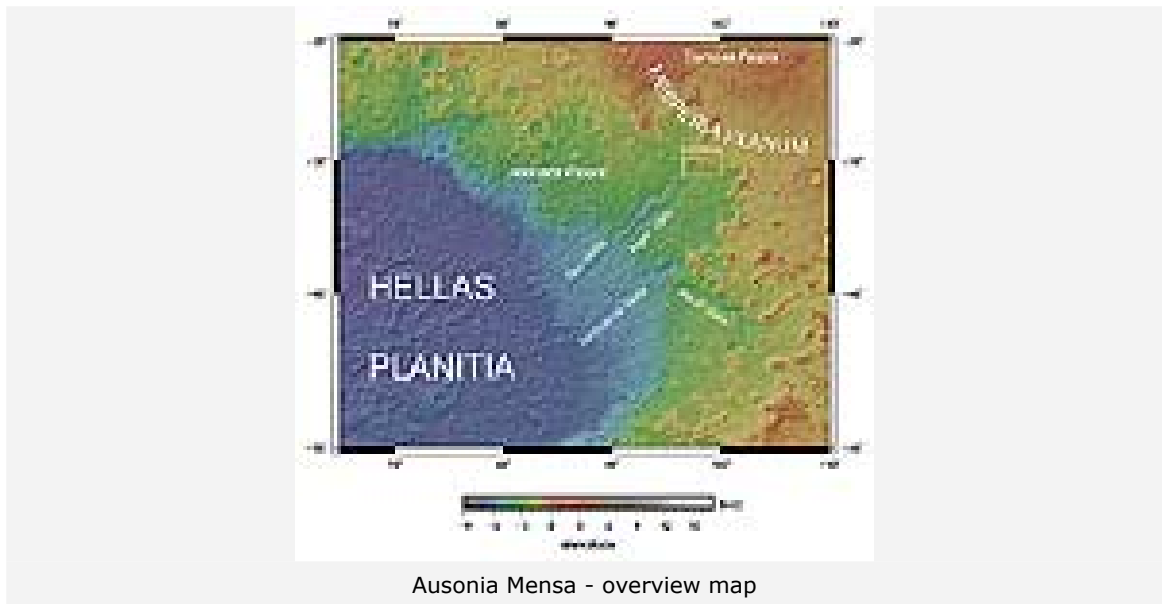
A heavily eroded, partially filled crater of approximately six kilometres diameter is visible to the north of the massif. The crater is characterised by numerous, smaller and younger craters.

The HRSC obtained these images during orbit 506 with a ground resolution of approximately 37.6 metres per pixel. The scenes show the region of Hesperia Planum, containing the massif, at approximately 30.3° South and 97.8° East. North is to the right in these images.

The colour scenes have been derived from the three HRSC-colour channels and the nadir channel.

The perspective views have been calculated from the digital terrain model derived from the stereo channels.

The 3D anaglyph image was calculated from the nadir and one stereo channel. Image resolution has been decreased for use on the internet.



The HRSC on Mars Express was developed by DLR and built in cooperation with industrial partners (EADS Astrium, Lewicki Microelectronic GmbH and Jena-Optronik GmbH). The HRSC experiment on Mars Express is led by the Principal Investigator (PI) Prof. Dr Gerhard Neukum. The science team of the experiment consists of 45 Co-Investigators from 32 institutions and 10 nations.

This camera on Mars Express is operated by DLR's Institute of Planetary Research. The systematic processing of the HRSC image data is carried out at DLR and scene processing is carried out by the PI-group at the Institute for Geosciences of the Freie Universität Berlin in cooperation with DLR's Institute of Planetary Research, Berlin.

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