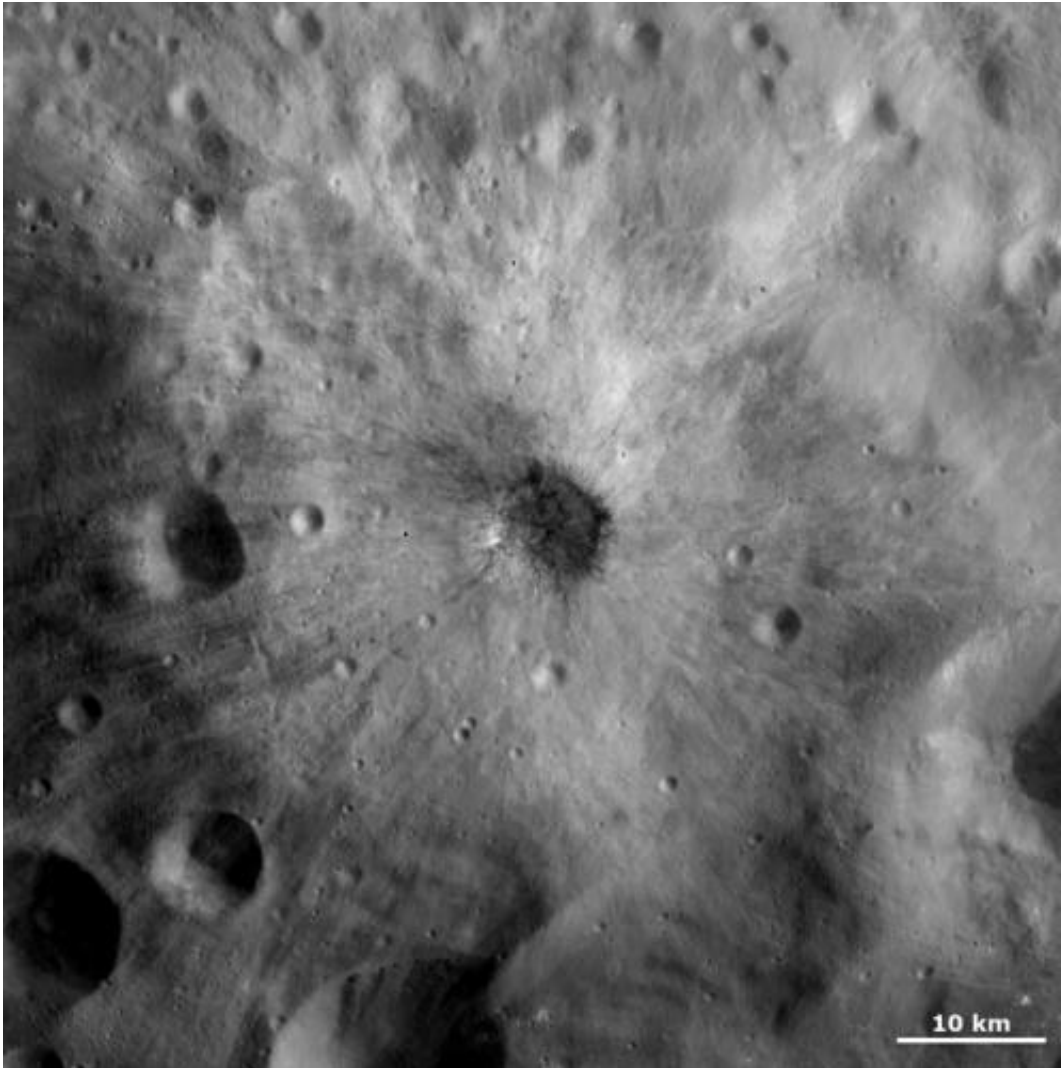


Crater with dark and bright ejecta

January 27 2012



Credit: NASA/ JPL-Caltech/ UCLA/ MPS/ DLR/ IDA

(PhysOrg.com) -- This Dawn FC (framing camera) image is centered on

a small, young, fresh crater with bright and dark ejecta rays extending from it. This image is a brightness image, which is taken directly through the clear filter of the FC, and shows the brightness and darkness of the surface. This crater is approximately 5km wide and its ejecta extends for up to 15 kilometers (9 miles). The ejecta rays outside of the crater are mostly bright. The dark ejecta rays mostly slump into the center of the crater, but there are some dark rays that extend for a few kilometers outside of the crater rim. This combination of bright and dark ejecta rays give the crater an impressively mottled appearance. There is dark and bright material located across Vesta but it is unusual to have a crater with both bright and dark ejecta rays.

This image is located in Vesta's Tuccia quadrangle and the center of the image is 26.6 degrees south latitude, 220.4 degrees east longitude. NASA's [Dawn](#) spacecraft obtained this image with its framing camera on Oct. 22, 2011. This image was taken through the camera's clear filter. The distance to the surface of Vesta is 700 kilometers (435 miles) and the image has a resolution of about 70 meters (230 feet) per pixel. This image was acquired during the HAMO (high-altitude mapping orbit) phase of the mission.

The Dawn mission to [Vesta](#) and Ceres is managed by NASA's Jet Propulsion Laboratory, a division of the California Institute of Technology in Pasadena, for NASA's Science Mission Directorate, Washington D.C. UCLA is responsible for overall Dawn mission science.

Provided by JPL/NASA

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