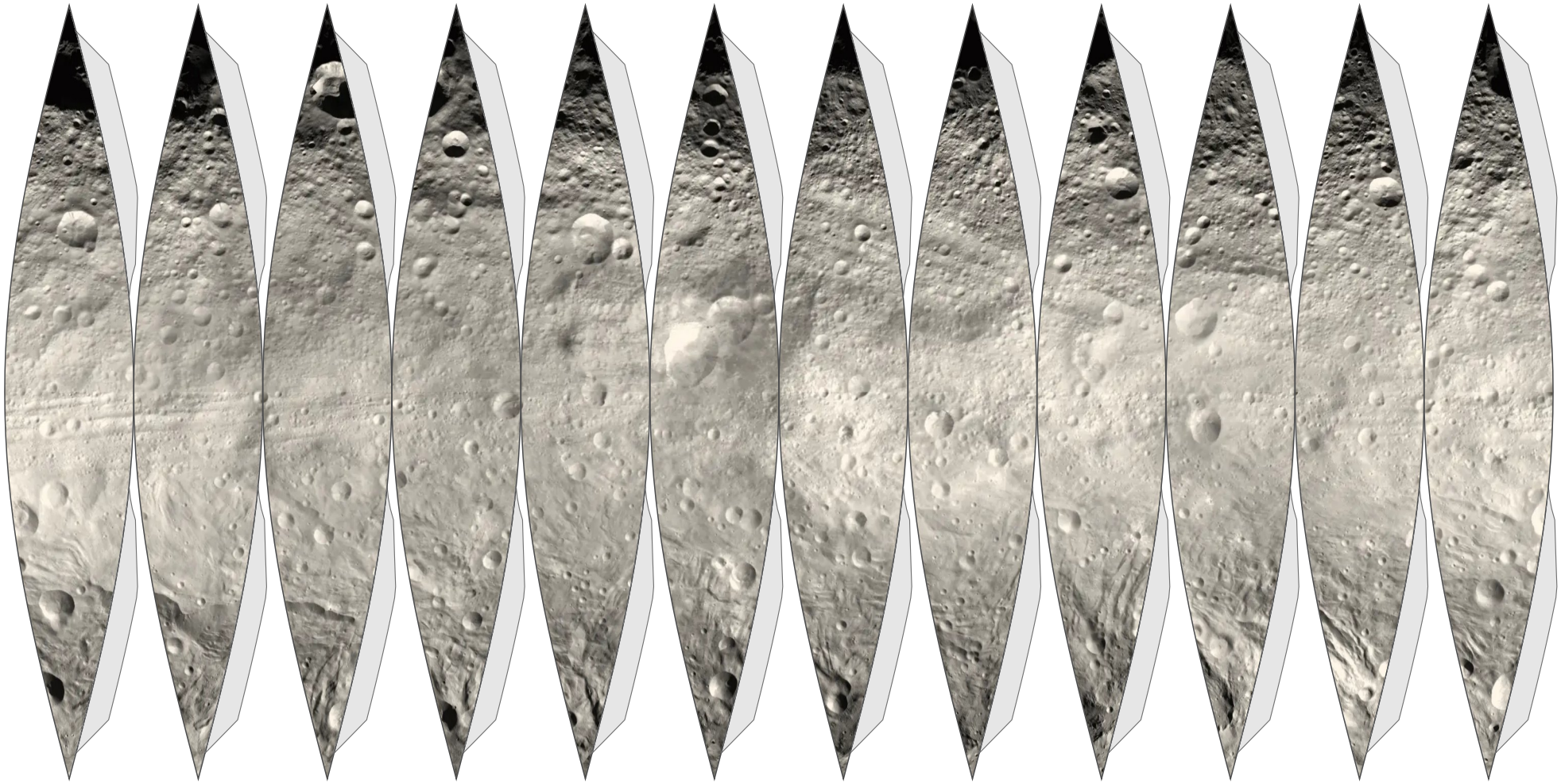
Vesta

A paper globe, 82 mm across: a scale of 1 : 6.41 million. The Earth at this scale would be 1.99 m across.

See Vesta turn in the live 3D map:
www.spaceradar.ai/#at=asteroid-vesta



How to make it

1. Print at actual size on thick paper (160 to 200 g/m2), or glue the print to thin card. 2. Cut round the outside line, tabs and all. Do not cut along the equator: the gores stay joined there. 3. Fold each grey tab back along its dotted line. 4. Curve the gores up one at a time and glue each tab under the edge of the next gore, the north first, then the south; the last tab closes the ball. The top of the sheet is north.

True scale

Vesta's mean radius is 262.7 km (Russell et al. 2012, Science 336, 684 (Dawn: mean radius 262.7 km)). At 82 mm across the globe is 1 : 6.41 million: one millimetre here is 6 km there. Vesta is not round (about 573 x 557 x 446 km): this globe wraps its map on a sphere of its mean radius.

The map

Measured: pictures taken by spacecraft and telescopes, as credited here.
Vesta map and shape: NASA/JPL-Caltech/UCLA/MPS/DLR/IDA (Dawn Framing Camera, HAMO mosaic and stereo height model by DLR), hosted by USGS Astrogeology Science Center

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Source: https://planetarymaps.usgs.gov/mosaic/Vesta_Dawn_FC_HAMO_Mosaic_Global_74ppd.lbl (read 2026-10-07)