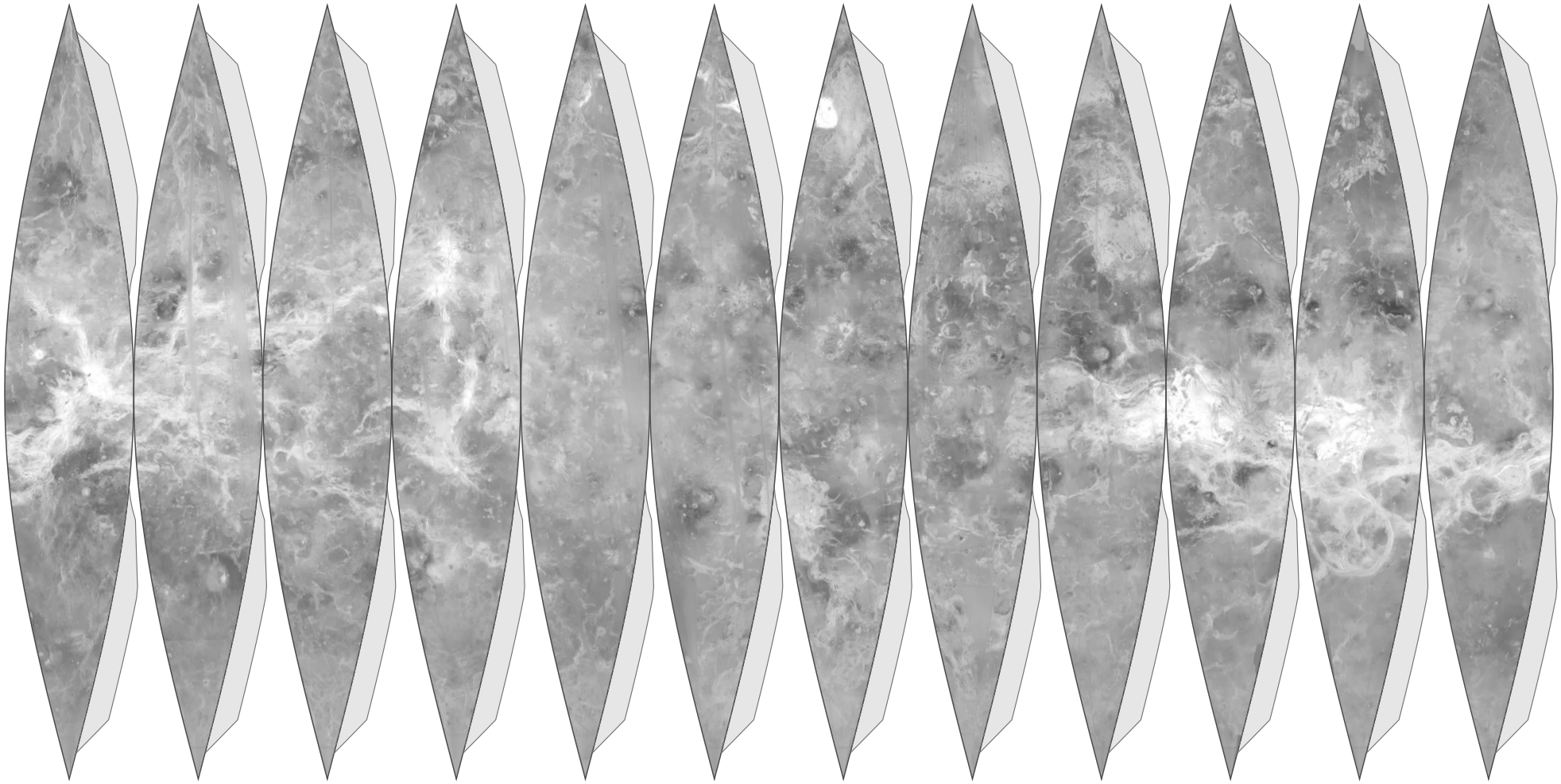
Venus under its clouds

A paper globe, 82 mm across: a scale of 1 : 148 million. The Earth at this scale would be 86 mm across.

See Venus turn in the live 3D map:
www.spaceradar.ai/#at=venus



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

Venus's mean radius is 6 051.8 km (registry/worlds.yaml). At 82 mm across the globe is 1 : 148 million: one millimetre here is 148 km there.

The map

Measured: pictures taken by spacecraft and telescopes, as credited here.
Venus surface map: USGS Astrogeology Science Center and NASA/JPL-Caltech (Magellan radar, C3-MIDR mosaic), public domain

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Source: https://planetarymaps.usgs.gov/mosaic/Venus_Magellan_C3-MDIR_Global_Mosaic_2025m.lbl (read 2026-10-06)