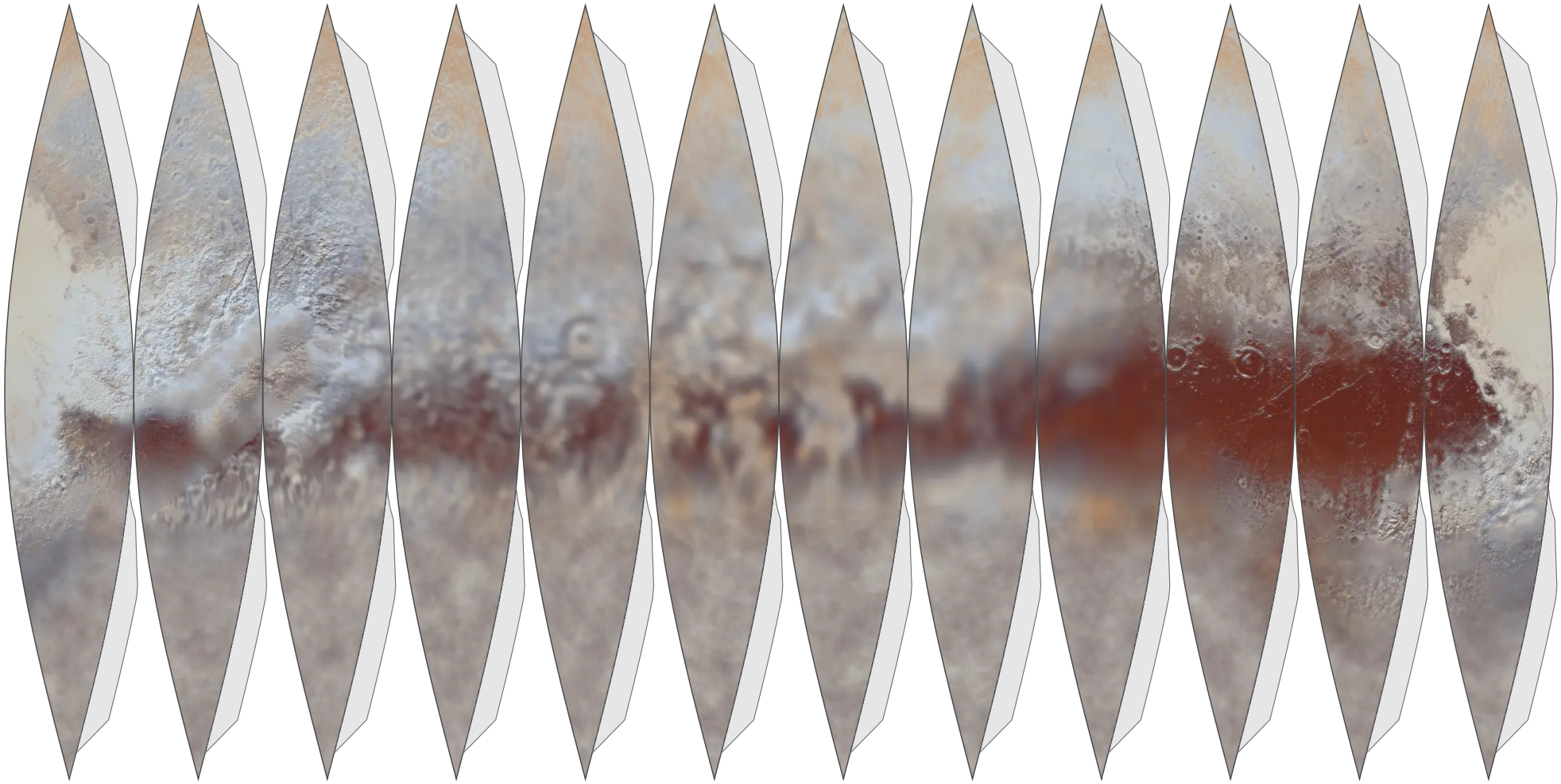
Pluto

A paper globe, 82 mm across: a scale of 1 : 29 million. The Earth at this scale would be 44 cm across.

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



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

Pluto's mean radius is 1 188.3 km (registry/worlds.yaml). At 82 mm across the globe is 1 : 29 million: one millimetre here is 29 km there. Only 78 % of its surface has been photographed well enough to map; the rest is one plain colour, and no feature there is invented.

The map

Measured: pictures taken by spacecraft and telescopes, as credited here.
Pluto map: NASA/Johns Hopkins University Applied Physics Laboratory/Southwest Research Institute (New Horizons global colour map, Photojournal PIA11707, in natural colour from the New Horizons MVIC colour mosaic, NASA Planetary Data System), public domain

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Source: https://science.nasa.gov/image-detail/amf-pia11707 (read 2026-10-12) and https://pds-smallbodies.astro.umd.edu/holdings/nh-p_psa-leisa_mvic-5-comp-v1.0/data/mosaic/nh_pluto_color_mosaic.lbl (read 2026-10-26)