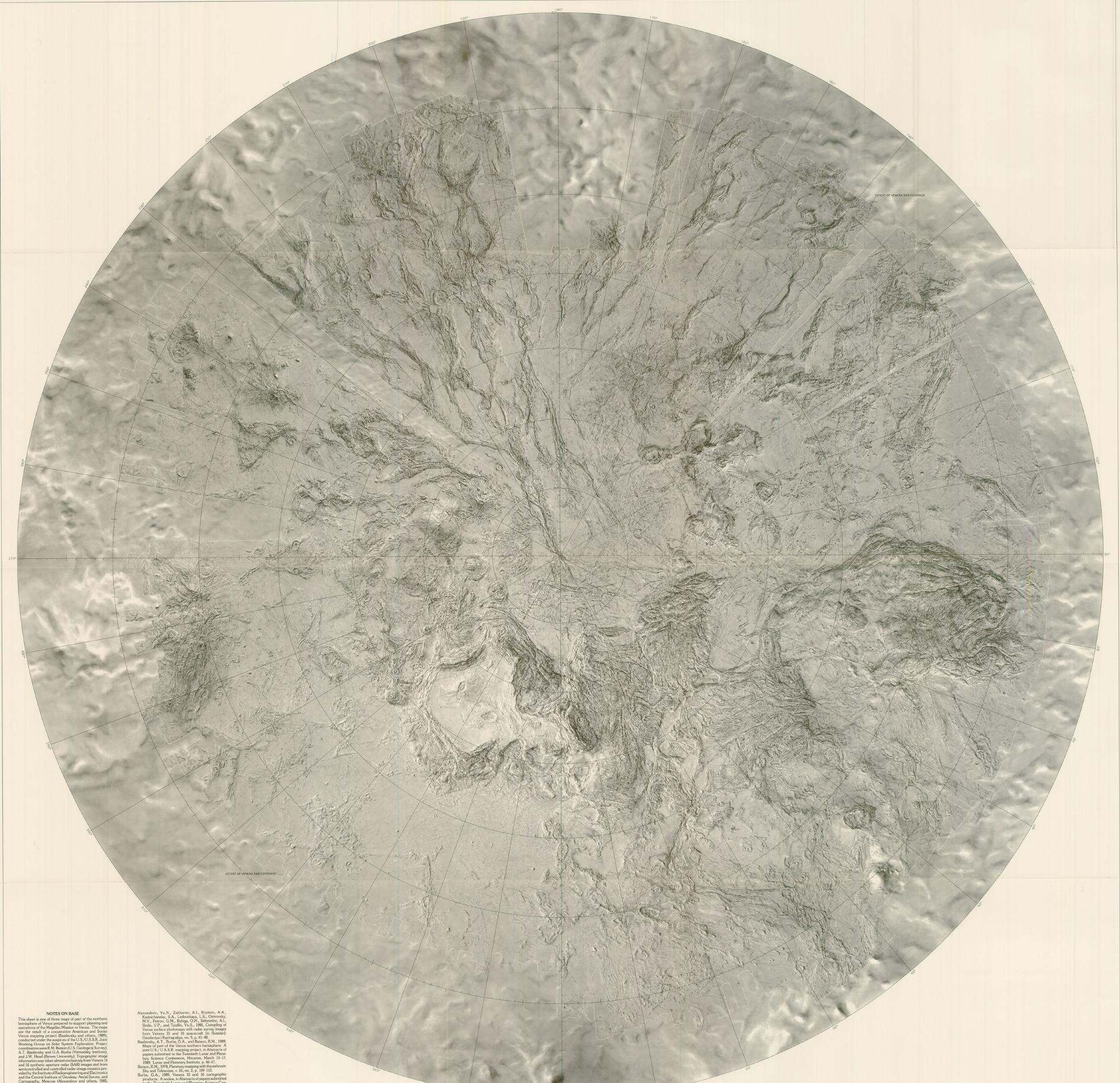


DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



NOTES ON BASE

ADOPTED FIGURE

The figure shows the mass of Venus for computation of this map (from the International Astronomical Union Transactions, v. 10B, p. 160, 1968).

PROJECTION

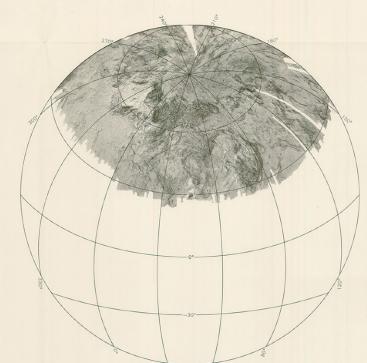
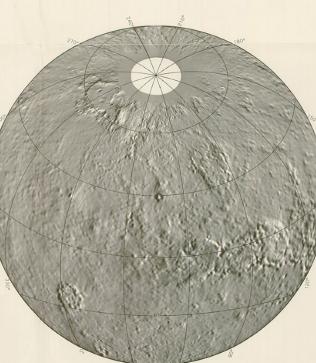
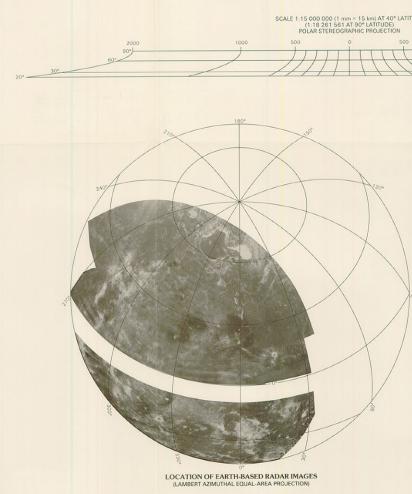
The Polar Stereographic projection is used for this map, which is based on the polar axis of Venus, the mean equator at 30° S. Due to the retrograde motion of Venus, the map is oriented so that the mean equator is parallel to the axis of the International Astronomical Union (1983).

CONTROLS

Planimetric controls were derived from radar-image mosaic produced by the U.S. Navy that is based on the naked-eye photographs taken by the Soviet Venera 9 and 10 landers and others, (1989). According to current IAU conventions, the map is oriented so that the mean equator is parallel to the axis of the International Astronomical Union (1983).

The shaded relief image was made by mapping methods described by Lee and Bridges (1990) and Burch and Lee (1990). The shaded relief image shows the terrain as it would appear to the eye, regardless of the illumination source in the radar images. The shaded relief image was used to identify areas of high topographic relief and to map the locations of the highest frequency SAR information with regional topographic relief. The shaded relief image was also used to map radar images and stereoscopic images taken along each transect. The shaded relief image was also used to create maps of the SAR data sets. The shaded relief image was used to map the Dora, south of Highland Canyon, area of both sets of images. The shaded relief image was also used to map the Vaca Dunes area. Some data also were taken from the shaded relief image to map the terrain in Utria, southeast of Tulea Tepexi, Tepoztlan, Morelos, Mexico. The shaded relief image was used to map the location of features.

of interpretation and port
Bridges.



SHADED RELIEF MAP OF PART OF THE NORTHERN HEMISPHERE OF VENUS