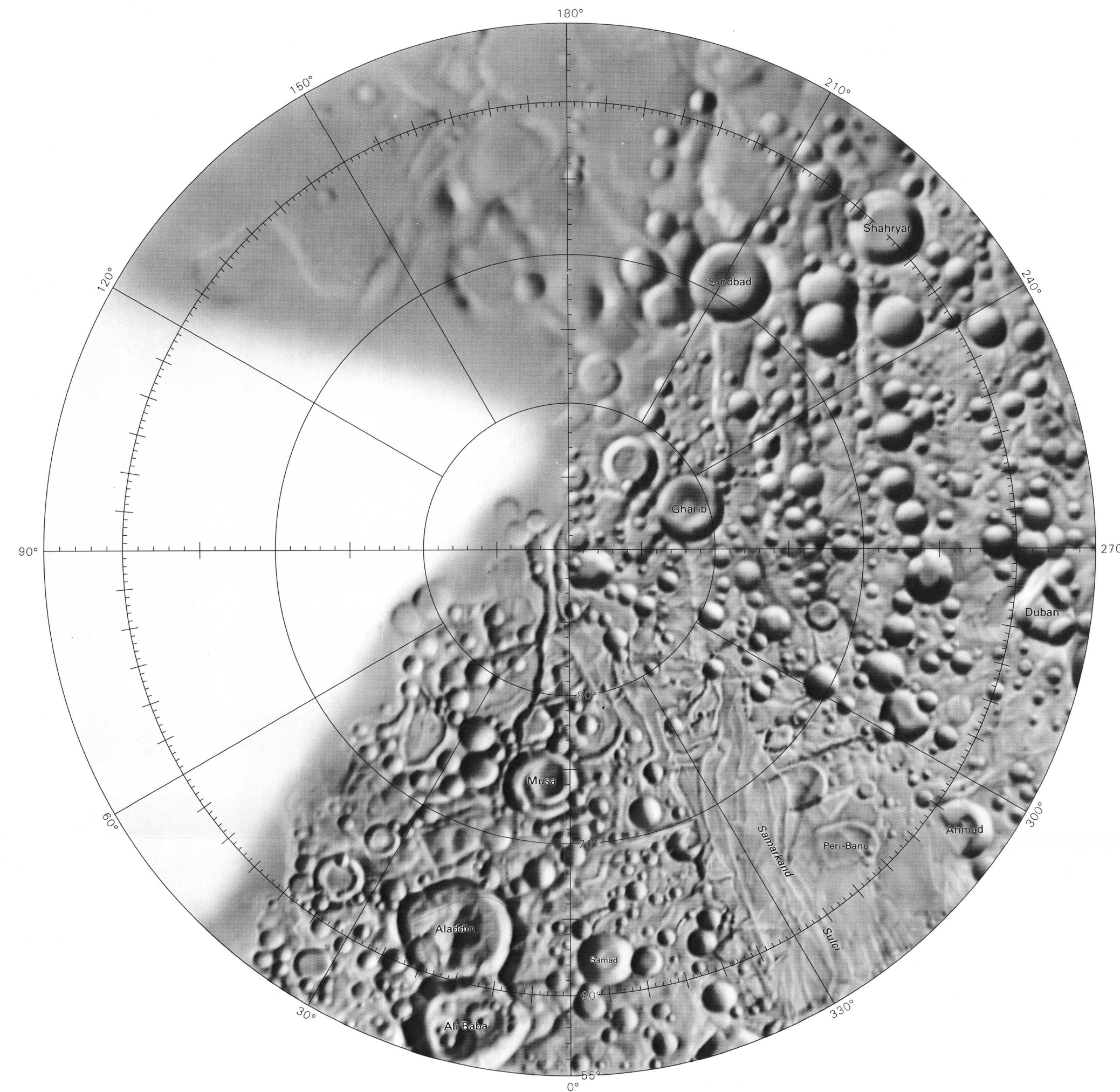


NOTES ON BASE
This map was compiled from Voyager 1 and 2 images of Enceladus. The Polar Stereographic and Mercator projections are based on a sphere with a diameter of 498 km. The projections have a common scale of 1:1,118,400 at lat 50° N. Longitude increases to the west in accordance with astronomical convention. Meridians are numbered so that the reference crater, Sals, is centered on lat 5.9° S, long 5.0° (Davies and others, 1989). Other information regarding Saturnian satellite mapping was given by Batson and others (1984).
Digital mosaics were assembled at a digital scale of 1/4" (1.1 km) per pixel according to methods described by Batson (1987) and Edwards (1987), and they were transferred to the projections described above.
All landforms are shown as if illuminated from the west by using interpretation techniques described by Inge and Bridges (1976). Surface markings are also shown. Differences in image resolution precluded map portrayal at uniform levels of detail.
Airbrush representation was made by Jay L. Inge.

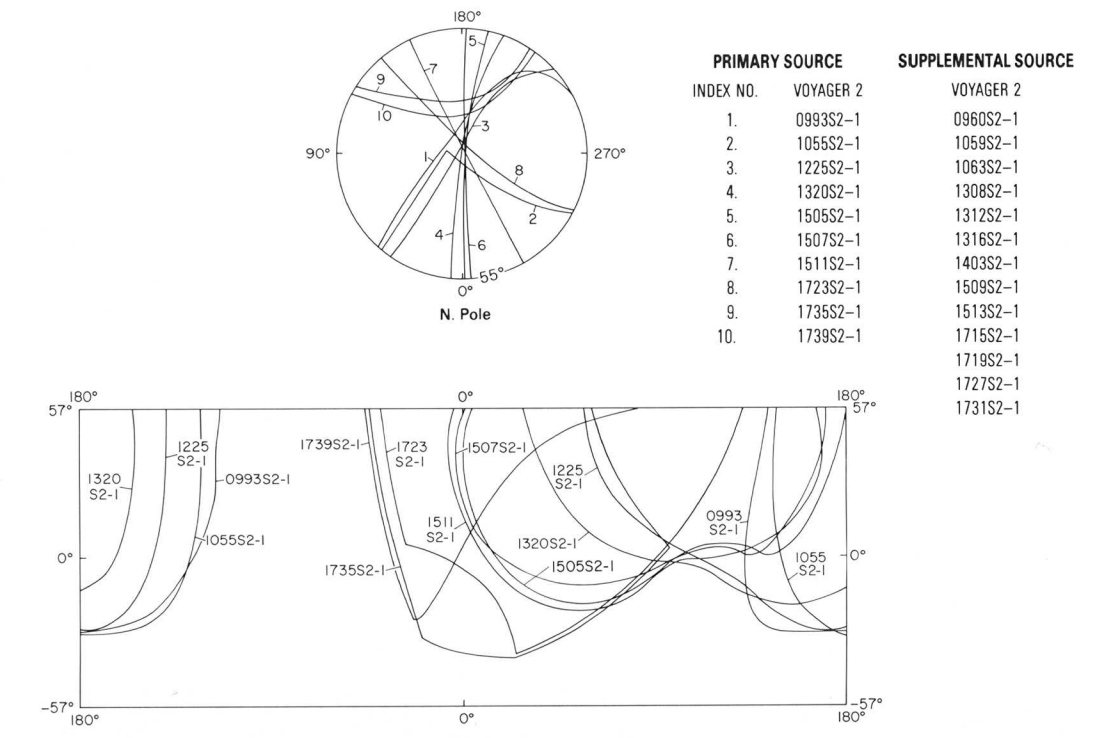
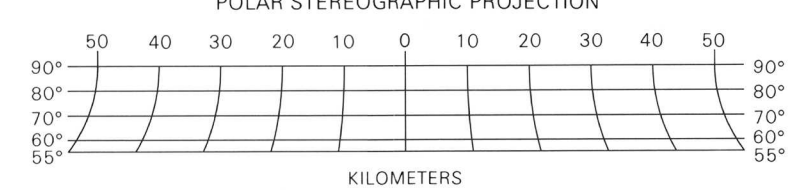
NOMENCLATURE
All names shown on this sheet are approved by the International Astronomical Union (IAU, 1983).
Se 2M 2AN: Abbreviation for Saturn, Enceladus (satellite), 1:2,000,000 series, second edition; shaded relief with albedo markings (A), nomenclature (N).

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Edwards, Kathleen, 1987, Geometric processing of digital images of the planets. *Photogrammetric Engineering and Remote Sensing*, v. 53, no. 9, p. 1219-1222.
Inge, J.L., and Bridges, P.M., 1976, Applied photointerpretation for airbrush cartography. *Photogrammetric Engineering and Remote Sensing*, v. 42, no. 6, p. 749-760.
International Astronomical Union, 1983, Working Group for Planetary System Nomenclature, in Proceedings of the 18th General Assembly, Paris, 1982. *Transactions of the International Astronomical Union*, v. 18B, p. 340.



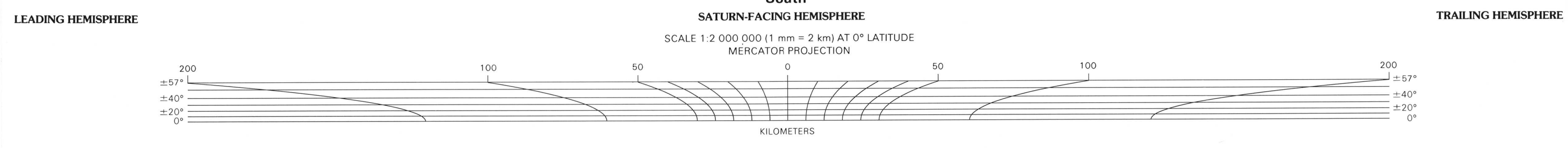
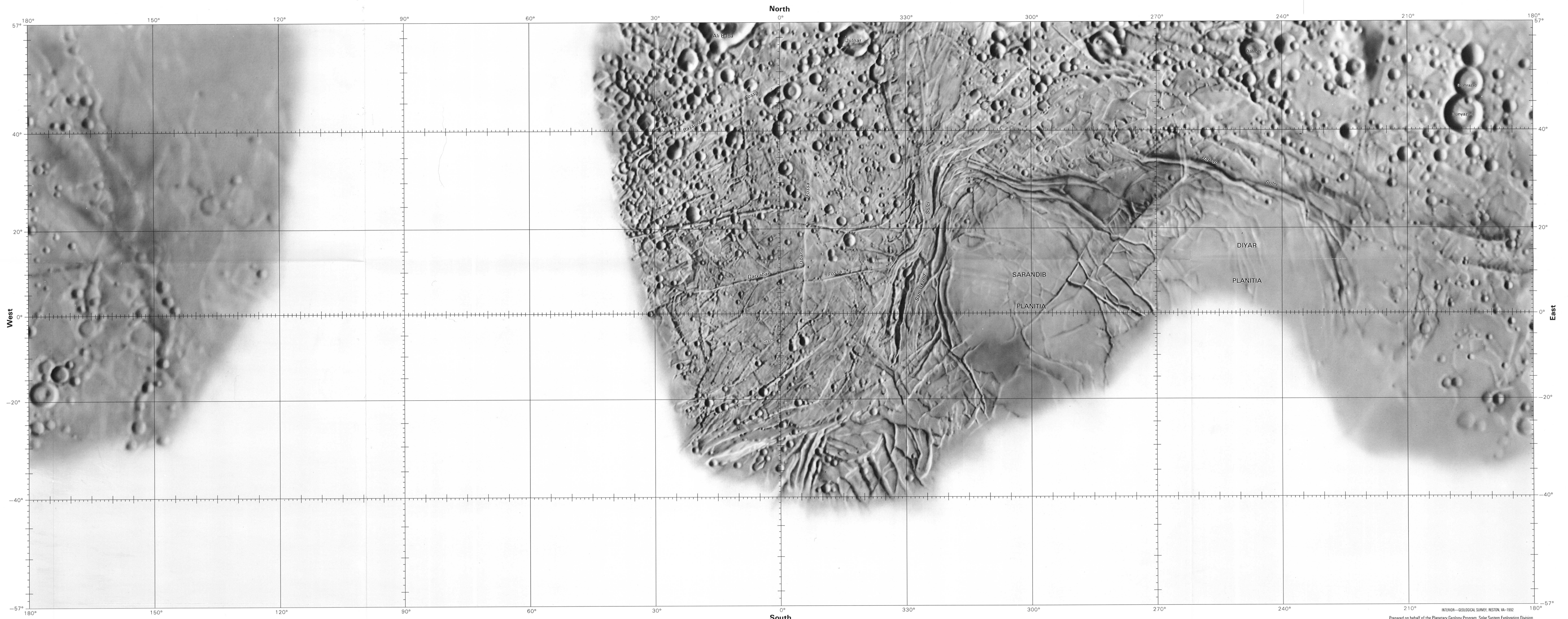
NORTH POLAR REGION

SCALE 1:1 223 000 (1 mm = 1.2 km) AT 90° LATITUDE



INDEX OF MAPPING SOURCES

The map was made from the Voyager 1 and 2 images outlined above. Supplemental source images used during compilation are listed separately. Copies of various enhancements of these images are available from National Space Science Data Center, Code 601, Goddard Space Flight Center, Greenbelt, MD 20771.



PICTORIAL MAP OF ENCELADUS

1992

NOTE TO USERS
Users noting errors or omissions are urged to indicate them on the map and to forward it to U.S. Geological Survey, Building 4, Room 454, 2255 North Gemini Drive, Flagstaff, Arizona 86001. A replacement copy will be returned.

U.S. GEOLOGICAL SURVEY, RESTON, VA 1980
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This map supersedes I-1485
Manuscript approved for publication, February 10, 1990

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