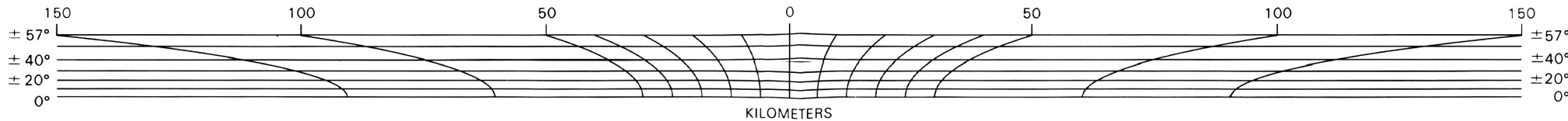


LEADING HEMISPHERE

South
(SATURN-FACING HEMISPHERE)

TRAILING HEMISPHERE

SCALE 1:2 000 000 (1 mm = 2 km) AT 0° LATITUDE
MERCATOR PROJECTION



Prepared on behalf of the Planetary Geology Program, Solar System Exploration Division,
Office of Space Science, National Aeronautics and Space Administration, under contract
W-15-814
This map supersedes I-1489
Manuscript approved for publication, February 19, 1992

NOTES ON BASE

This map was compiled from Voyager 1 and 2 images of Mimas. The Polar Stereographic and Mercator projections are based on a sphere with a diameter of 398 km. The projections have a common scale of 1:1,118,400 at lat 56° S. Longitude increases to the west in accordance with astronomical convention. Meridians are numbered so that the reference crater, Palomides, is centered on lat 3.0° N., long 162° (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" (0.9 km) per pixel according to methods described by Batson (1987) and Edwards (1987), and they were transformed 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. Digital processing and mosaicking were done by Ella M. Lee.

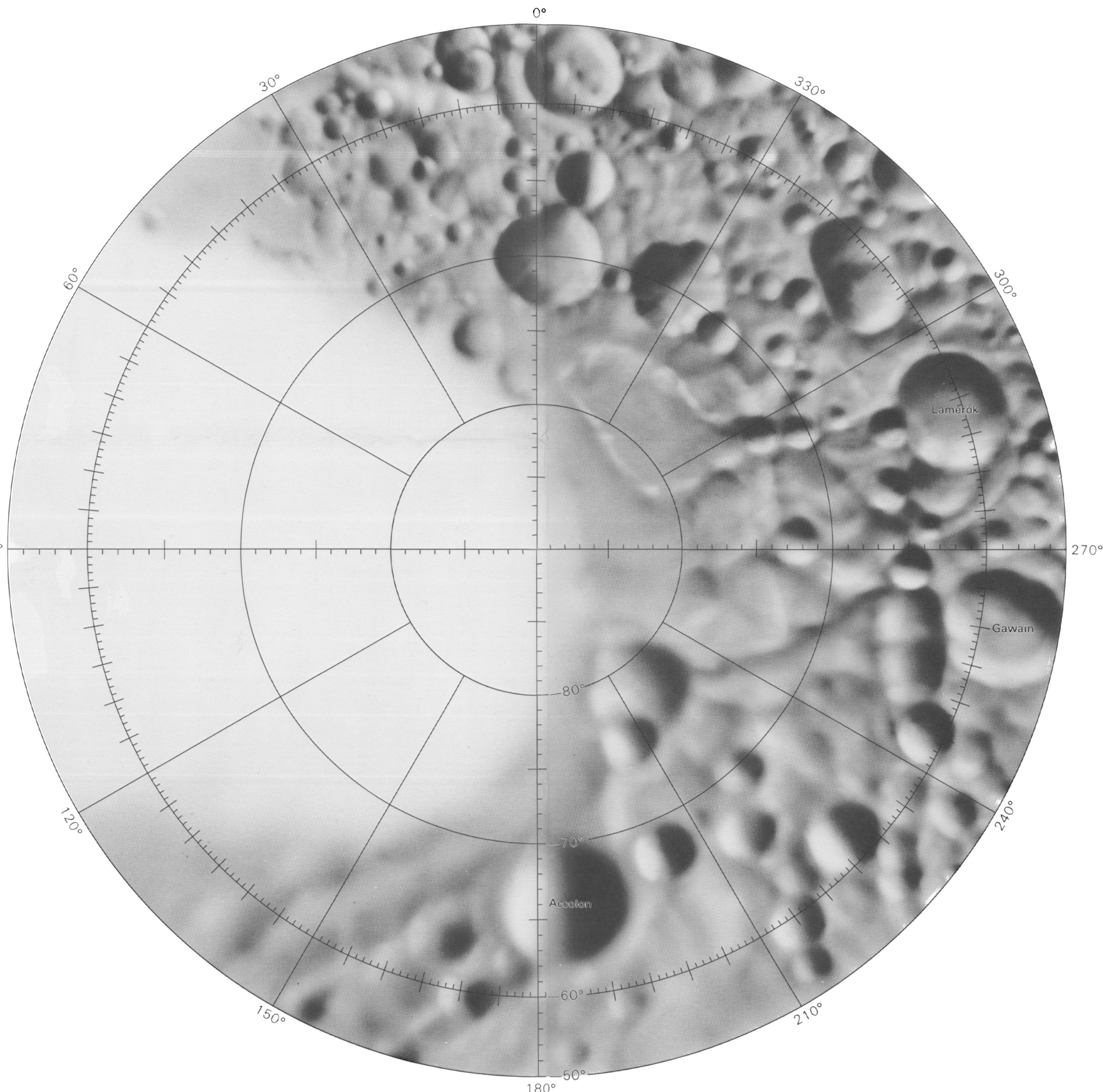
NOMENCLATURE

All names shown on this sheet are approved by the International Astronomical Union (IAU, 1983).

Sm 2M 3AN: Abbreviation for Saturn, Mimas (satellite); 1:2,000,000 series; third edition; shaded relief with albedo markings (A), nomenclature (N).

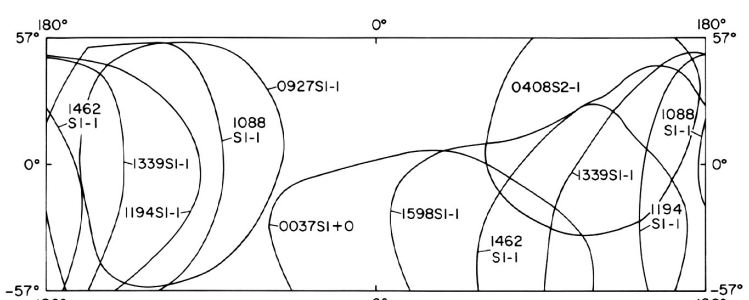
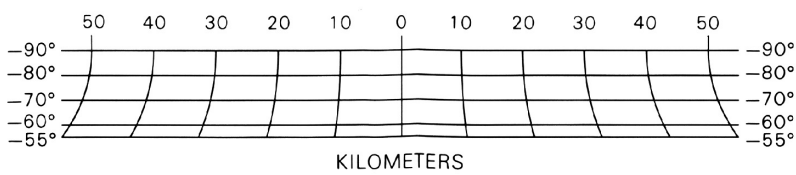
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SOUTH POLAR REGION

SCALE 1:1 223 000 (1 mm = 1.2 km) AT -90° LATITUDE
POLAR STEREOGRAPHIC PROJECTION



SUPPLEMENTAL SOURCE

VOLAGER 1	VOLAGER 2
090751-1	040852-1
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