

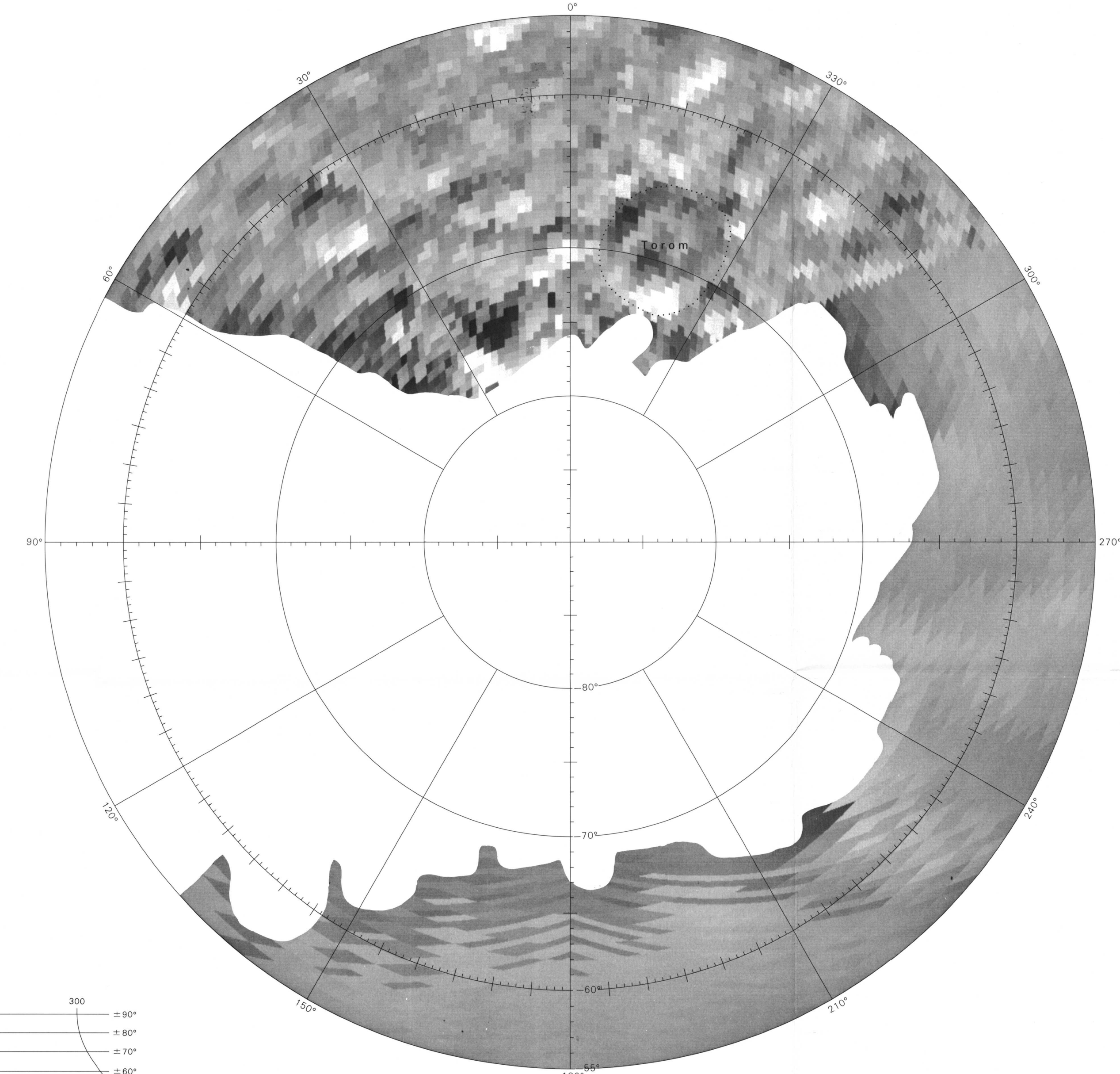
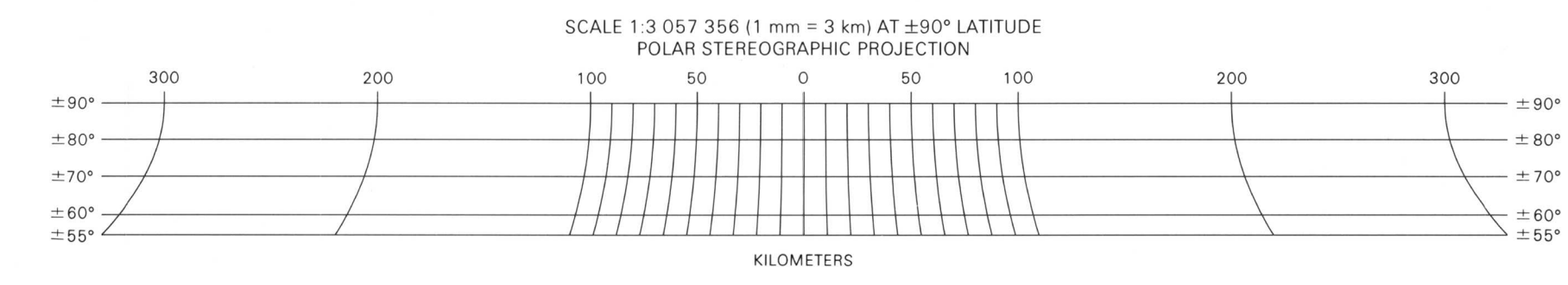
NORTH POLAR REGION

NOTES ON BASE
CARTOGRAPHIC CONTROL
Mercator and Polar Stereographic projections used for the maps of Rhea are based on a sphere with a radius of 1238 km. The projections have a common scale of 1:2,796,000 at lat 156°. Longitude increases to the west in accordance with astronomical convention. Map controls were provided by the Rand Corporation. The meridians are numbered so that the reference crater, Toru, is centered on lat 17° N, long 340° (Davies and Kelso, 1983).

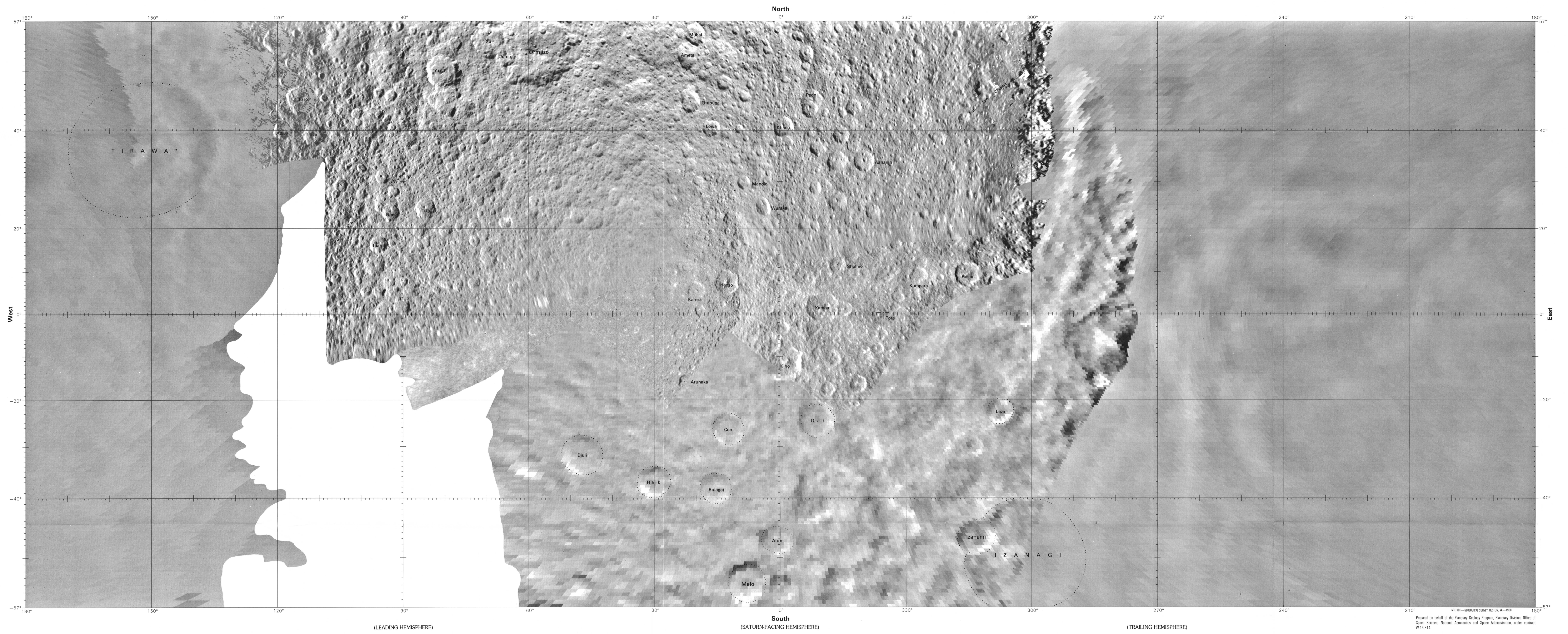
MAPPING TECHNIQUE
Digital image processing techniques used to make this mosaic included removal of bit errors and thinning, contrast enhancement, and geometrical transformation of the image. Additional processing removed seams between adjacent images, suppressed noise and corrected variations between frames, and assembled the images into a continuous photographic mosaic. Image processing and mosaic compilation were done by E. M. Lee. Other information regarding Saturnian satellite mapping is given by Bolton and others (1984).

NOMENCLATURE
Names on this sheet are approved by the International Astronomical Union (IAU, 1983) except for a provisional name which is indicated by an asterisk. Abbreviation for Saturn, Rhea, (satellite), 1:5,000,000 series controlled photomosaic (CMN), nomenclature (N).

REFERENCES
Bolton, R. M., Bridges, P. M., Inge, J. L., Lee, E. M., Moushey, Harold, Muller, K. F., Sall, B. A., and Strobel, M. J., 1983, Voyager 1 and 2 atlas of Saturnian satellites: National Aeronautics and Space Administration, Special Publication 373, p. 600-650.
Davies, R. E., and Kelso, J. R., 1983, The control network of Rhea, Icarus, v. 56, no. 3, p. 400-405.
International Astronomical Union, 1983, Working Group for Planetary System Nomenclature at 38th General Assembly, Patna, 1982, Proceedings: International Astronomical Union Transactions, v. 185, p. 342-343.



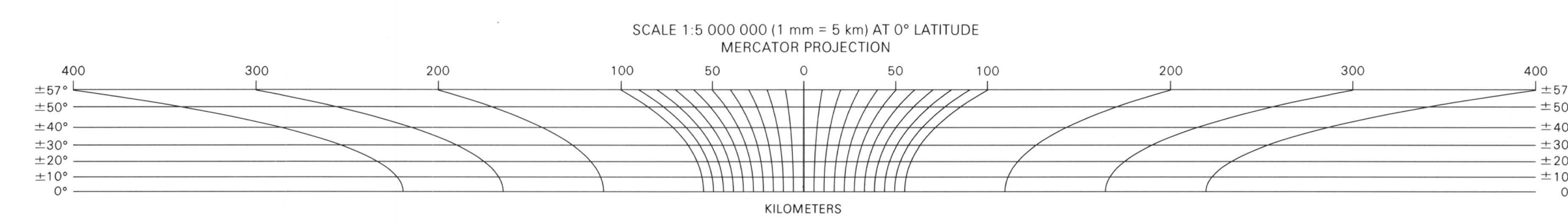
SOUTH POLAR REGION



(LEADING HEMISPHERE)

(SATURN-FACING HEMISPHERE)

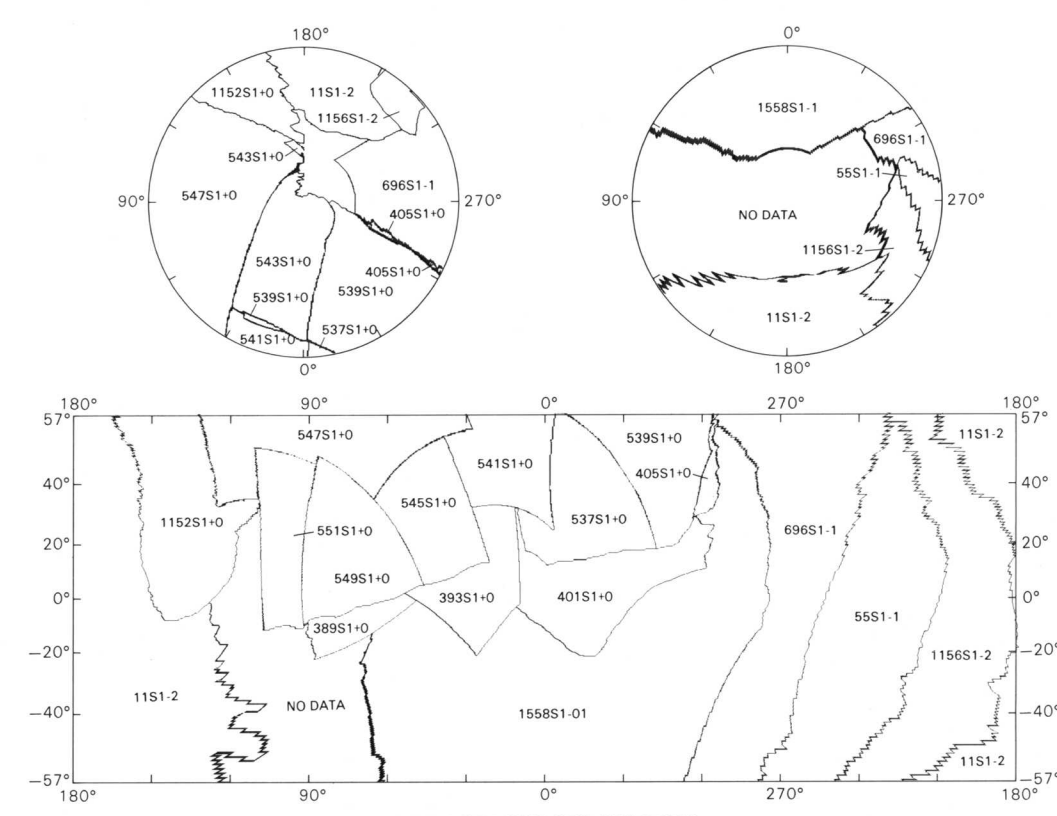
(TRAILING HEMISPHERE)



DIGITAL IMAGE MAP OF RHEA

Sr 5M CMN

1988



The mosaic was made from the pictures outlined above. Copies of various enhancements of these pictures are available from National Space Science Data Center, Code 601, Goddard Space Flight Center, Greenbelt, MD 20771.

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.