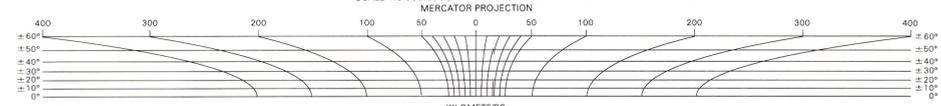


SCALE 1:5 000 000 (1 mm = 5 km) AT ±34° LATITUDE  
MERCATOR PROJECTION



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.  
Manuscript approved for publication, February 6, 1990

**NOTES ON BASE**

This map was compiled from Voyager 2 images of Triton. The Mercator projection is based on a sphere with a diameter of 2,700 km. Because of the retrograde rotation of Triton, longitude increases to the east, in accordance with astronomical convention. Planimetric control is based on information provided by the Navigation Ancillary Information Facility (NAIF) of the Jet Propulsion Laboratory. NAIF parameters (spacecraft position, camera orientation, and position and orientation of Triton) were used for the single Voyager frame (155N02 001) covering the Neptune-facing hemisphere at the highest available resolution, as were spacecraft positions of all other frames. Camera orientations for frames in the mosaic were modified from NAIF data as required to fit the control frame. Digital mosaics were assembled at a digital scale of 1/32° (1.3 km) per pixel according to methods described by Batson (1987) and Edwards (1987), and they were transformed to the projections described above. The average positional error of the mosaic with respect to the control frame is less than 6 km. All landforms are shown as if illuminated from the south; interpretation techniques used are 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 Patricia M. Bridges and Jay L. Inge. Digital processing and mosaicking were done by Kathleen Edwards and Tammy L. Becker.

**NOMENCLATURE**

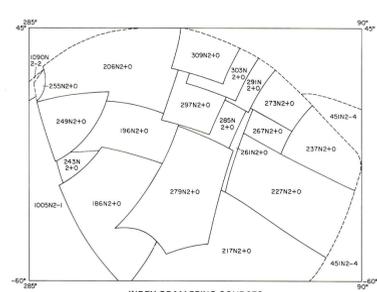
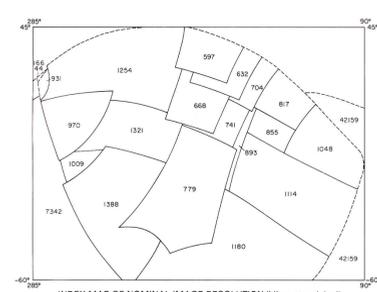
Names on this sheet are approved by the International Astronomical Union (in press).  
Nt 5M -8/8 AN: Abbreviation for Neptune, Triton (satellite); 1:5,000,000 series; center of map, lat 8° S., long 8° E.; shaded relief with albedo markings (A), nomenclature (N).

**REFERENCES**

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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, in press, Working Group for Planetary System Nomenclature, in Proceedings of the 21st General Assembly, Buenos Aires, 1991. Transactions of the International Astronomical Union.

**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, AZ 86001. A replacement copy will be returned.



PRIMARY SOURCE	SUPPLEMENTAL SOURCE		
FIG. NO.	PICTURE NO.	FIG. NO.	PICTURE NO.
11277.55	451N2-4	11387.09	154N2-1
11348.34	105N2-2	11392.55	151N2+0
11377.09	105N2-1	11392.56	155N2+0
11393.30	189N2+0	11393.03	159N2+0
11393.40	189N2+0	11393.05	181N2+0
11393.50	251N2+0	11393.09	163N2+0
11394.01	211N2+0	11393.11	167N2+0
11394.11	221N2+0	11393.15	171N2+0
11394.21	231N2+0	11393.17	173N2+0
11394.27	241N2+0	11393.21	177N2+0
11394.33	249N2+0	11393.23	179N2+0
11394.38	251N2+0	11394.00	349N2+0
11394.45	261N2+0	11396.11	347N2+0
11394.51	261N2+0	11396.13	349N2+0
11394.57	271N2+0	11396.16	351N2+0
11395.03	279N2+0	11396.17	353N2+0
11395.09	285N2+0	11396.19	355N2+0
11395.15	291N2+0	11396.21	357N2+0
11395.21	297N2+0	11396.23	359N2+0
11395.27	303N2+0	11396.25	361N2+0
11395.33	309N2+0	11396.27	363N2+0
		11396.29	365N2+0

The map was made from Voyager 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 THE SLIDR LINEA QUADRANGLE (Nt-2) OF TRITON**