

CONTROLLED PHOTOMOSAIC
Ua 5M -90/0 CM

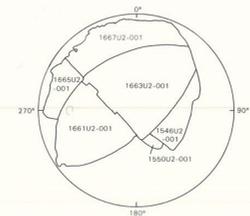
NOTES ON BASE
These maps were compiled from Voyager 2 images of Ariel. The pictorial map is based on a preliminary photomosaic compiled prior to the establishment of control. The Polar Stereographic projection used for these maps is based on a sphere with a diameter of 1158 km. Average position error of the mosaic with respect to control (Davies and others, 1987) is less than 5 km. All landforms are shown as if illuminated from the south using portrayal and interpretation techniques described by Inge (1972) and Inge and Bridges (1976). Surface markings are also shown. Variations in image resolution precluded map portrayal at uniform levels of detail. Airbrush representation was made by Jay L. Inge.

NOMENCLATURE
All names shown on the reduced base mosaic are approved by the International Astronomical Union.
Ua 5M -90/0 CM or AN. Abbreviation for Uranus, Ariel (satellite), 1:5,000,000 series; center of map lat 90° S, long 0°; controlled photomosaic (CM), or shaded relief with albedo markings (A), nomenclature (N).

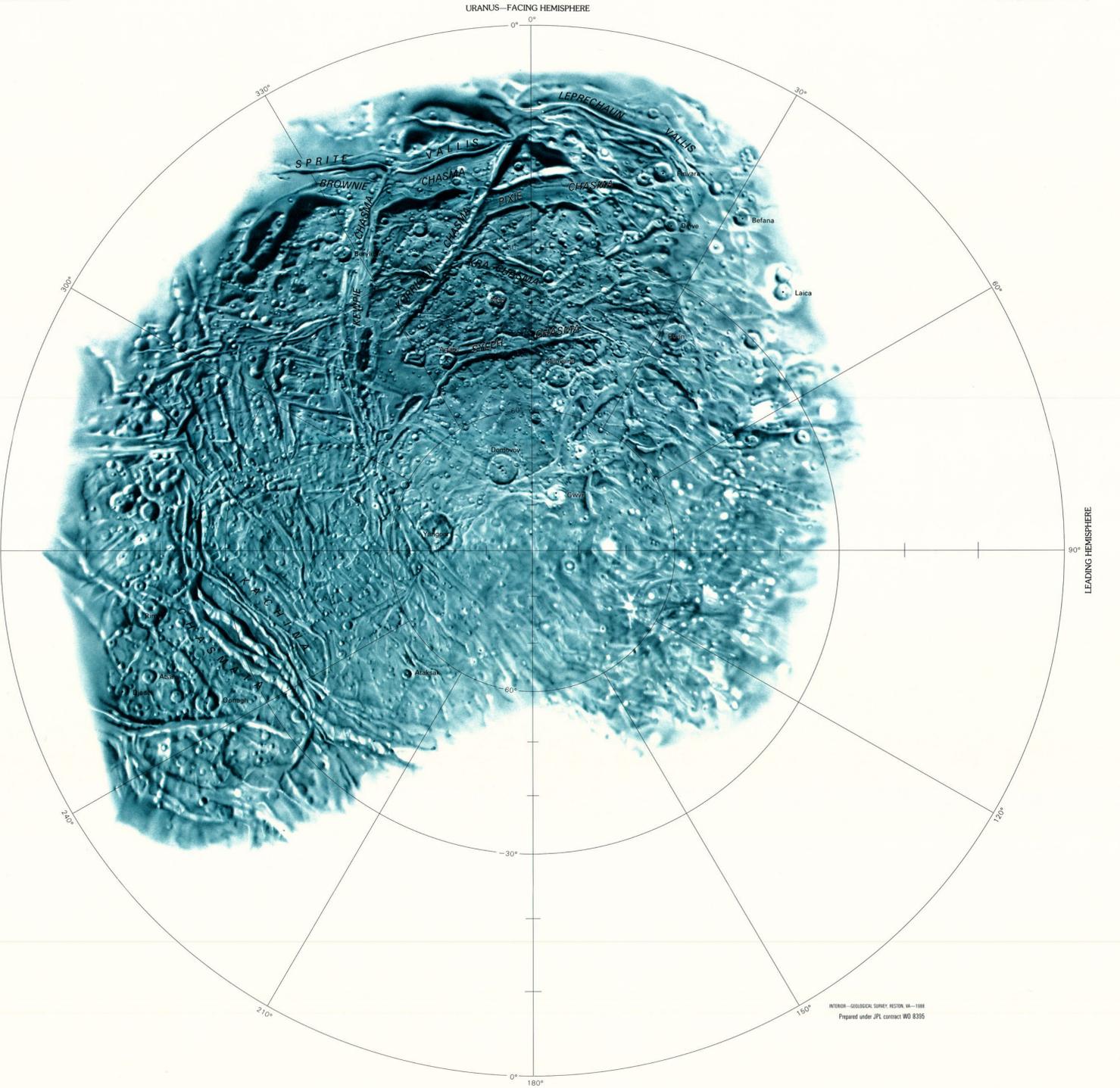
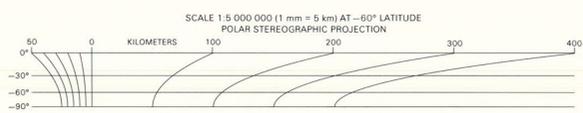
REFERENCES
Davies, M.E., Colvin, T.R., Katayama, F.Y., and Thomas, P.C., 1987, The control networks of the satellites of Uranus: Icarus, v. 17, no. 1, p. 137-147.
Inge, J.L., 1972, Principles of lunar illustration: Aeronautical Chart and Information Center Reference Publication RP-72-1, 60 p.
Inge, J.L., and Bridges, P.M., 1976, Applied photointerpretation for airbrush cartography: Photogrammetric Engineering and Remote Sensing, v. 42, no. 6, p. 749-760.

LEADING HEMISPHERE

TRAILING HEMISPHERE



INDEX OF VOYAGER 2 PICTURES
The mosaic was made with the Voyager 2 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.



PICTORIAL MAP
Ua 5M -90/0 AN

INTERIOR-GEOLOGICAL SURVEY, RESTON, VA-20191
Prepared under JPL contract W0 8305

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.