

Interior—Geological Survey, Reston, Va.—1984—G84433
Prepared on behalf of the Planetary Geology Program,
Planetary Division, Office of Space Science, National Aeronautics and Space Administration under contract W-13709

NOTES ON BASE

This sheet is one in a series of maps that cover the surfaces of the Galilean satellites of Jupiter at a nominal scale of 1:5,000,000 (Batson and others, 1980). The source for the series was Voyager 1 and 2 images. Essential features of the mapping are noted below.

CARTOGRAPHIC CONTROL

A series of mosaics of Voyager 1 and 2 pictures was assembled at 1:5,000,000 using projections described above. Sizes, shapes, and positions of features were taken from the base mosaic using portrayal and interpretation techniques described by Inge (1972) and Inge and Bridges (1976). Surface relief is shown as if illuminated from the west. Albedo markings are shown as they appear on the Voyager pictures. Extreme variations in picture resolution precluded consistent interpretation and portrayal of the pictures used for map compilation. Further limitations were imposed by dark albedo markings, which tend to obscure distinctive surface details.

MAPPING TECHNIQUE

The colors chosen for this map are intended to provide optimum discrimination of detail and do not represent the color of Ganymede.

Image analysis and airbrush representation were made by Jay L. Inge.

NOMENCLATURE

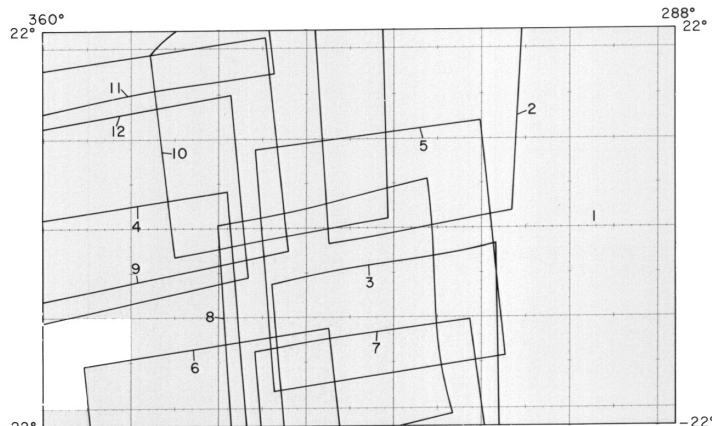
Names on this sheet are approved by the International Astronomical Union (IAU, 1980) except for the provisional names listed below.

Provisional names: Arbelia Sulcus, Kittu, and Misharu.

Jg 5M 0/324 AN: Abbreviation for Jupiter, Ganymede (satellite): 1:5,000,000 series; center of sheet, lat 0°, long 324°; shaded relief with albedo markings (A), nomenclature (N).
Abbreviation for Jupiter, Ganymede; sheet 10.

REFERENCES

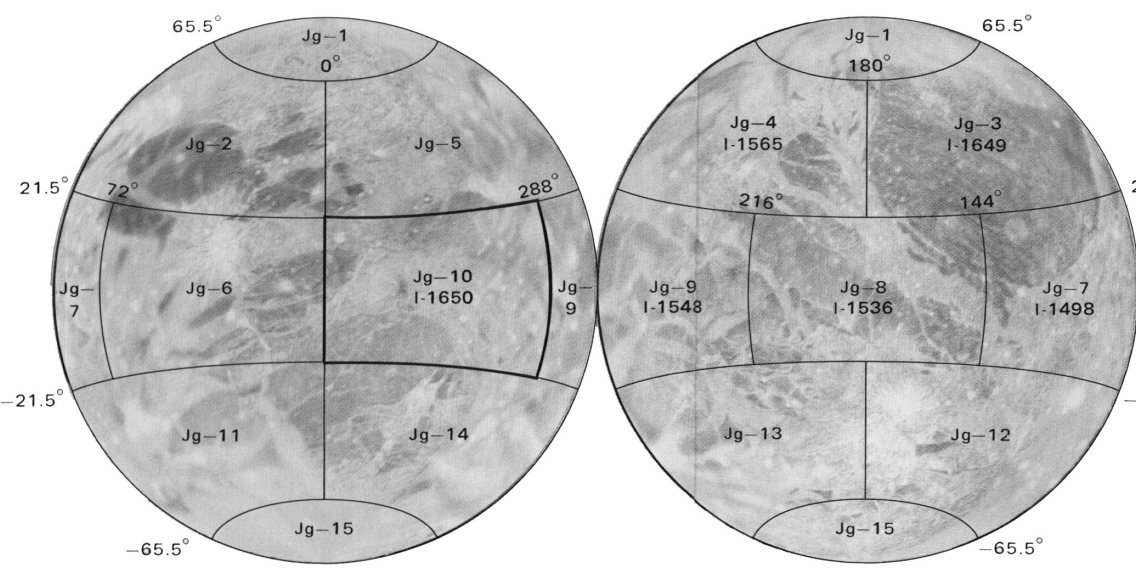
Batson, R. M., Bridges, P. M., Inge, J. L., Isbell, Christopher, Maursky, Harold, Strohbell, M. E., and Tyner, R. L., 1980, Mapping the Galilean satellites of Jupiter with Voyager data: Photogrammetric Engineering and Remote Sensing, v. 46, no. 10, p. 1303-1312.
Davies, M. E., and Katayama, F. Y., 1981, Coordinates of features on the Galilean satellites: Journal of Geophysical Research, v. 86, no. A10, p. 8635-8657.
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.
International Astronomical Union, 1980, Working Group for Planetary System Nomenclature, 17th General Assembly, Montreal, 1979, Proceedings: International Astronomical Union Transactions, v. 17B, p. 297-304.



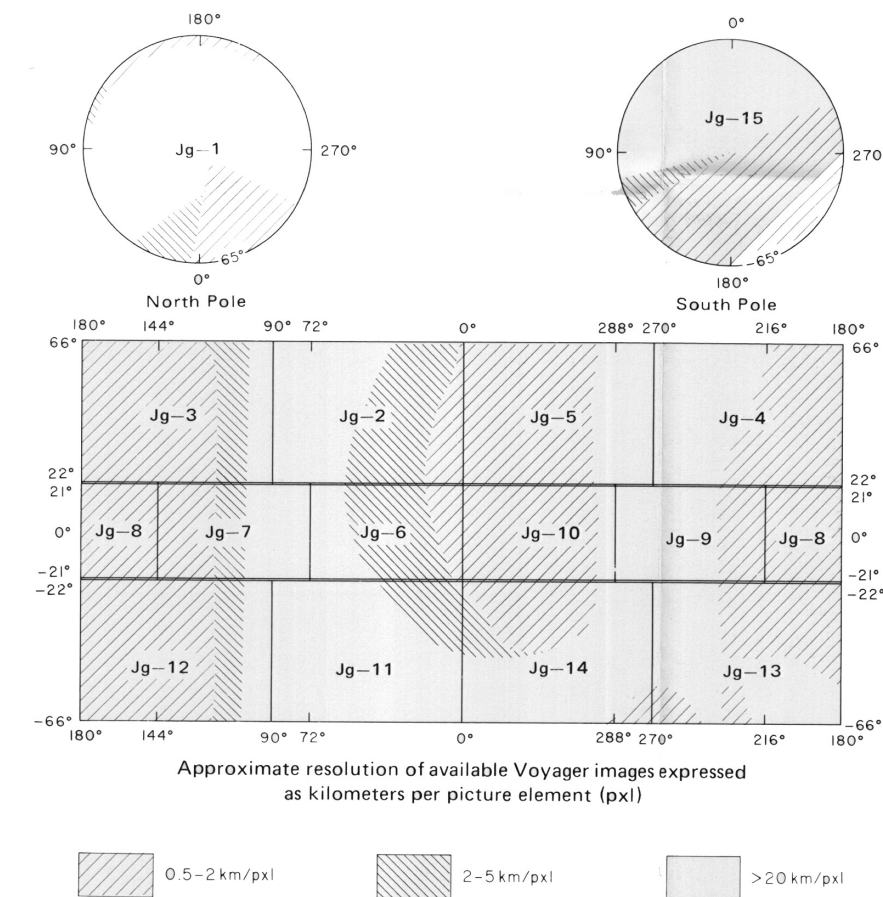
INDEX TO MAPPING SOURCES

The rendition of features on this map was controlled by reference to the primary source pictures outlined above. Supplemental source images used during the compilation are listed separately. Copies of various enhancements of these pictures are available from National Space Science Data Center, Code 601, Goddard Space Flight Center, Greenbelt, MD 20771.

VOYAGER 1			
Primary Source		Supplemental Source	
Index No.	Picture No.	Picture No.	Picture No.
1	0785/1+000	0738/1+000	0886/1+000
2	0875/1+000	0789/1+000	0872/1+000
3	0895/1+000	0775/1+000	0871/1+000
4	0923/1+000	0779/1+000	0870/1+000
5	0925/1+000	0781/1+000	0865/1+000
6	0939/1+000	0789/1+000	0889/1+000
7	0941/1+000	0882/1+000	0891/1+000
8	0948/1+000	0811/1+000	0914/1+000
9	0952/1+000	0817/1+000	0927/1+000
10	0957/1+000	0827/1+000	0947/1+000
11	0965/1+000	0829/1+000	0952/1+000
12	1003/1+000	0829/1+000	0967/1+000
		0881/1+000	1002/1+000
		0953/1+000	1002/1+000



QUADRANGLE LOCATION
Number preceded by I refers to published topographic map



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.

SHADED RELIEF AND SURFACE MARKINGS OF THE MISHARU QUADRANGLE OF GANYMEDE

Jg-10
Jg 5M 0/324 AN
1984

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