

**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 (Bateson and others, 1980). The source for the series was Voyager 1 and 2 images. Essential features of the mapping are noted below.

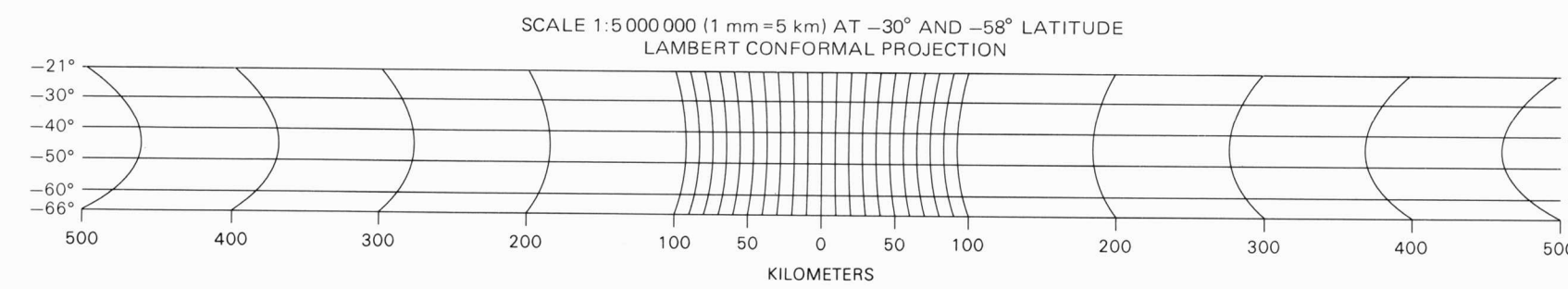
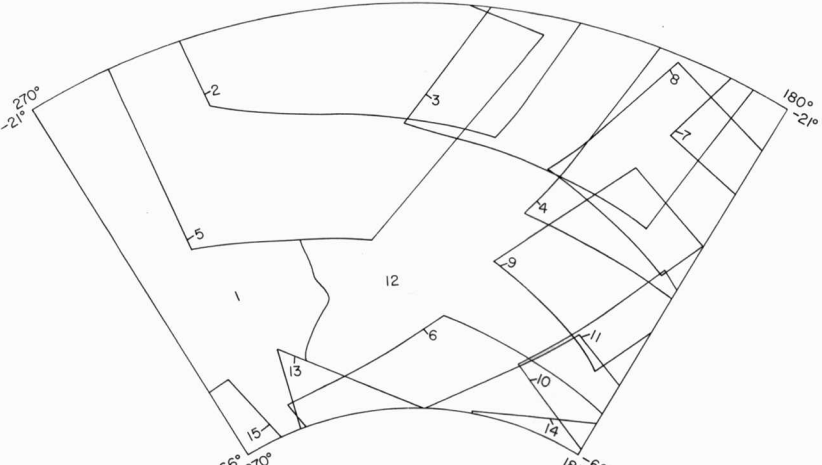
**CARTOGRAPHIC CONTROL**  
Mercator, Lambert Conformal Conic, and Polar Stereographic projections used for the maps of Ganyমেডে are based on a sphere with a radius of 2638 km. The projections have common scales of 1:4,780,000 at lat. ±21.3° and 1:4,769,000 at lat. ±65.2°. Longitude increases to the west in accordance with astronomical convention. Planimetric control was derived by photogrammetric triangulation using Voyager 1 and 2 pictures (Davies and Katayama, 1981). The meridians are numbered so that the reference crater, Anat, is centered on lat. 2° S., long. 128°.

**MAPPING TECHNIQUE**  
A series of mosaics of Voyager 1 and 2 pictures was assembled at 1:5,000,000 scale 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 disk-albedo markings, which tend to obscure distinctive surface details. The colors chosen for this map are intended to provide optimum discrimination of detail and do not represent the color of Ganyমেডে.

**NOMENCLATURE**  
Image analysis and airbrush representation were made by Patricia Hagerty-Gray. All names shown on this sheet are approved by the International Astronomical Union (IAU), 1980, 1986 except for provisional names, which are indicated by an asterisk. Jg 5M -44/225 AN. Abbreviation for Jupiter, Ganyমেডে (satellite), 1:5,000,000 series; center of sheet, lat. 44° S., long. 225° W., shaded relief with albedo markings (A), nomenclature (N). Abbreviation for Jupiter, Ganyমেডে; sheet 13.

**REFERENCES**  
Bateson, R.M., Bridges, P.M., Inge, J.L., Ishell, Christopher, Masursky, Harold, Strobel, 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.

**INDEX OF 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		VOYAGER 2		VOYAGER 1		VOYAGER 2	
Index No.	Picture No.	Index No.	Picture No.	Index No.	Picture No.	Index No.	Picture No.
1	1511-1	3	4845-1	10	5132-1	17	5312-1
2	4812-1	4	4812-2	11	5312-2	18	5312-2
3	4845-2	5	4132-1	12	5312-3	19	5312-3
4	4812-3	6	4132-2	13	5312-4	20	5312-4
5	4132-3	7	4842-1	14	5662-1	21	5662-1
6	4132-4	8	5662-2	15	5662-2	22	5662-2
7	4842-2	9	5132-2	16	5312-4	23	5312-4
8	5662-3	10	5132-3	17	5312-5	24	5312-5
9	5662-4	11	5312-4	18	5312-6	25	5312-6
10	5132-5	12	5312-5	19	5312-7	26	5312-7
11	5312-6	13	5312-6	20	5312-8	27	5312-8
12	5312-7	14	5662-3	21	5662-3	28	5662-3
13	5312-8	15	5662-4	22	5662-4	29	5662-4
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16	5312-9	18	5312-10	25	5662-7	32	5662-7
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