

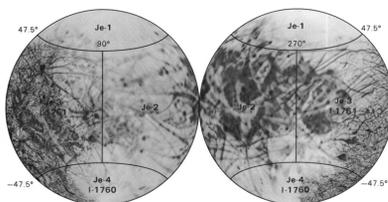
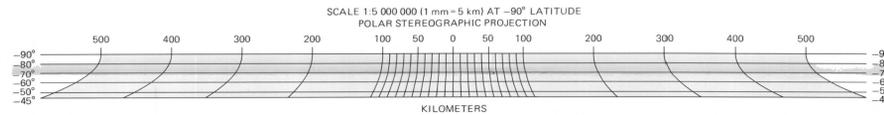
This photomosaic is part of a series of maps made from a special set of Voyager images whose resolutions range from 0.5 to 20 km per picture element. Mosaics were assembled at a scale of 1:5,000,000 with Mercator and Polar Stereographic projections based on a sphere with a radius of 1569 km and a common scale of 1:4,268,000 at lat 44°. The meridians are numbered so that the reference crater, Clix, is centered on lat 1.3° N, long 182° (Davies and Katayama, 1981).

Two versions of this photomosaic were produced by using different enhancements of Voyager images. Spatially filtered mosaic pictures were used in the detail-enhanced version. This processing accentuates the high-frequency details that typically characterize topographic features and suppresses low-frequency tonal variations in illumination and surface coloration. Images used in the photometrically enhanced version have been corrected for the spatially nonuniform radiometric properties of the vidicon camera system of the spacecraft. These corrections provide a more consistent photometric portrayal. Bit-error removal, blemish removal, and contrast-enhancement techniques have been applied to both versions. Image-processing algorithms and filtering methods were discussed by Castleman (1979).

Nomenclature is shown on published airbrush versions of Je-3 (I-1493) and Je-4 (I-1499).

REFERENCES

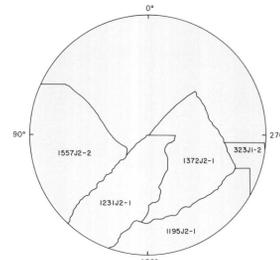
Davies, M. E., and Katayama, F. Y., 1981, Coordinates of features on the Galilean satellites. *Journal of Geophysical Research*, v. 86, no. A10, p. 8635-8657.
Castleman, K. R., 1979, Digital image processing. Englewood Cliffs, N. J., Prentice-Hall, 429 p.



QUADRANGLE LOCATION

Number preceded by 1 refers to published photomosaic. Published airbrush versions are I-1493 (Je-3) and I-1499 (Je-4).

Interior—Geological Survey, Reston, Va.—1985—G85309
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Planetary Division, Office of Space Science, National Aero-
nautics and Space Administration, under contract W-13.709.



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

**DETAIL - ENHANCED MOSAIC
CONTROLLED PHOTOMOSAICS OF THE SIDON FLEXUS REGION OF EUROPA**

Je-4
Je 5M -90/0 CM
1985

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.

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1200 South East Street, Arlington, VA 22202, and Branch of Distribution,
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