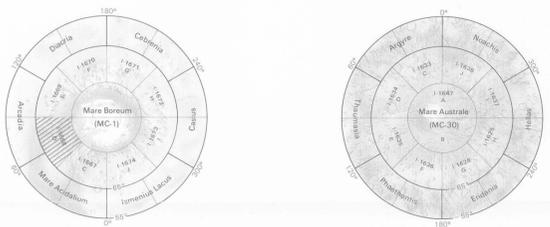
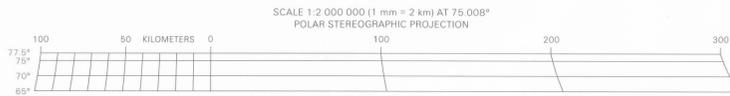


Interior—Geological Survey, Reston, Va.—1985—G85041

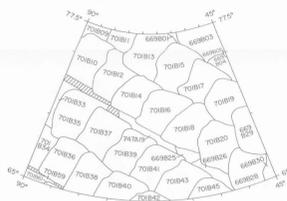
This photomosaic is part of a series of quadrangles made from a special set of Viking Orbiter images acquired specifically for systematic global mapping. Image resolution is 150 to 300 m per picture element. The average sun elevation angle is 20° (solar zenith angle 70°). The images have been digitally enhanced by the Jet Propulsion Laboratory's Mission and Test Imaging System to accentuate high-frequency detail. Image placement was based on the 1978 control net (Davies, M. E., and others, 1978, Control net of Mars, February 1978, The Rand Corp. R-2309-NASA). At least 66 percent of the image control points lie within 0.5 mm (1 km) of their published locations. Precise geometric transformation of the highly oblique Viking Orbiter pictures taken in the polar regions is not possible. Discrepancies between adjacent frames are as large as 10 mm, primarily in the east-west direction.

Prepared on behalf of the Mars Data Analysis Program, Planetary Division, Office of Space Science, National Aeronautics and Space Administration, under contract W-14,575.



180°	120°	60°	0°	300°	240°	180°	120°	60°	0°	300°	240°	180°
11229 NW Dacia (MC-2)	11209 NE Arcadia (MC-3)	11365 NW Mare Acidalium (MC-4)	11347 NE Mare Acidalium (MC-4)	11344 NW Ismenius Lacus (MC-5)	11343 NE Ismenius Lacus (MC-5)	11313 NW Caelus (MC-6)	11279 NE Caelus (MC-6)	11271 NW Cerberia (MC-7)	11267 NE Cerberia (MC-7)	11267 NW Cerberia (MC-7)	11267 NE Cerberia (MC-7)	11267 NW Cerberia (MC-7)
11264 SW Amazonia (MC-8)	11221 SW Thonis (MC-9)	11201 SW Lunae Palus (MC-10)	11201 NE Lunae Palus (MC-10)	11163 SW Oxia Palus (MC-11)	11163 NE Oxia Palus (MC-11)	11143 SW Arcadia (MC-12)	11143 NE Arcadia (MC-12)	11107 SW Symmaeum (MC-13)	11107 NE Symmaeum (MC-13)	11071 SW Amethes (MC-14)	11071 NE Amethes (MC-14)	11035 SW Enigmum (MC-15)
11188 SW Mentonia (MC-16)	11188 NE Phoenicis Lacus (MC-17)	11150 SW Phoenicis Lacus (MC-17)	11150 NE Phoenicis Lacus (MC-17)	11114 SW Ciarates (MC-18)	11114 NE Ciarates (MC-18)	11078 SW Sinus Sabaeus (MC-19)	11078 NE Sinus Sabaeus (MC-19)	11042 SW Mare Tytherrum (MC-20)	11042 NE Mare Tytherrum (MC-20)	11006 SW Anala (MC-21)	11006 NE Anala (MC-21)	10970 SW Anala (MC-22)
11034 SW Phaenontis (MC-24)	11034 NE Thaumasia (MC-25)	11000 SW Thaumasia (MC-25)	11000 NE Thaumasia (MC-25)	10964 SW Argyre (MC-26)	10964 NE Argyre (MC-26)	10928 SW Nochis (MC-27)	10928 NE Nochis (MC-27)	10892 SW Hellas (MC-28)	10892 NE Hellas (MC-28)	10856 SW Eritonia (MC-29)	10856 NE Eritonia (MC-29)	10820 SW Eritonia (MC-29)

INDEX OF PUBLISHED PHOTOMOSAICS
Quadrangle availability is indicated by an "I" series number.



INDEX TO VIKING PICTURES
The mosaic was made with the Viking pictures outlined above. Coverage at comparable resolution was not available in cross-hatched areas. Copies of various enhancements of these pictures are available from National Space Science Data Center, Code 601, Goddard Space Flight Center, Greenbelt, MD 20771.



LOCATION OF SELECTED FEATURES
Contrast in the reduced base mosaic was purposely suppressed to emphasize the names.

CONTROLLED PHOTOMOSAIC OF THE MARE BOREUM D QUADRANGLE OF MARS

M 2M 71/68 CM

MC-1 D

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.

For sale by Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202, and Branch of Distribution, U.S. Geological Survey, Box 25286, Federal Center, Denver, CO 80226.