

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 130 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.

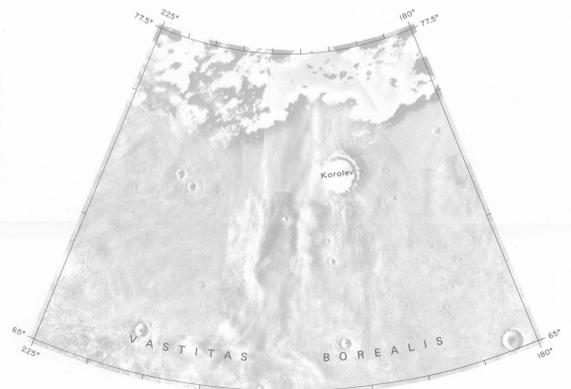
SCALE 1:2 000 000 (1 mm = 2 km) AT 75.008°  
POLAR STEREOGRAPHIC PROJECTION



180°	120°	60°	0°	300°	240°	180°
1329 Dacia (MC-2)	1325 Arcadia (MC-3)	1321 Mare Adidulum (MC-4)	1317 Immenus Lacus (MC-5)	1313 Caesus (MC-6)	1309 Cobonina (MC-7)	1305
1301 Amazonia (MC-8)	1297 Theron (MC-9)	1293 Lunae Palus (MC-10)	1289 Oxia Palus (MC-11)	1285 Arabia (MC-12)	1281 Synus Major (MC-13)	1277 Amenthus (MC-14)
1269 Menevia (MC-15)	1265 Phoenicia Lacus (MC-16)	1261 Cognatus (MC-17)	1257 Margaritifer Sinus (MC-18)	1253 Sirus Sabaeus (MC-19)	1249 Mars Tyrrhenium (MC-20)	1245 Aegles (MC-21)
1233 Phaethon (MC-24)	1229 Tharsis (MC-25)	1225 Argyre (MC-26)	1221 Noctis (MC-27)	1217 Hebes (MC-28)	1213 Eridanus (MC-29)	1209
1201	1197	1193	1189	1185	1181	1177
1161	1157	1153	1149	1145	1141	1137
1121	1117	1113	1109	1105	1101	1097
1081	1077	1073	1069	1065	1061	1057

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. 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 G QUADRANGLE OF MARS  
M 2M 71/203 CM  
MC-1 G  
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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