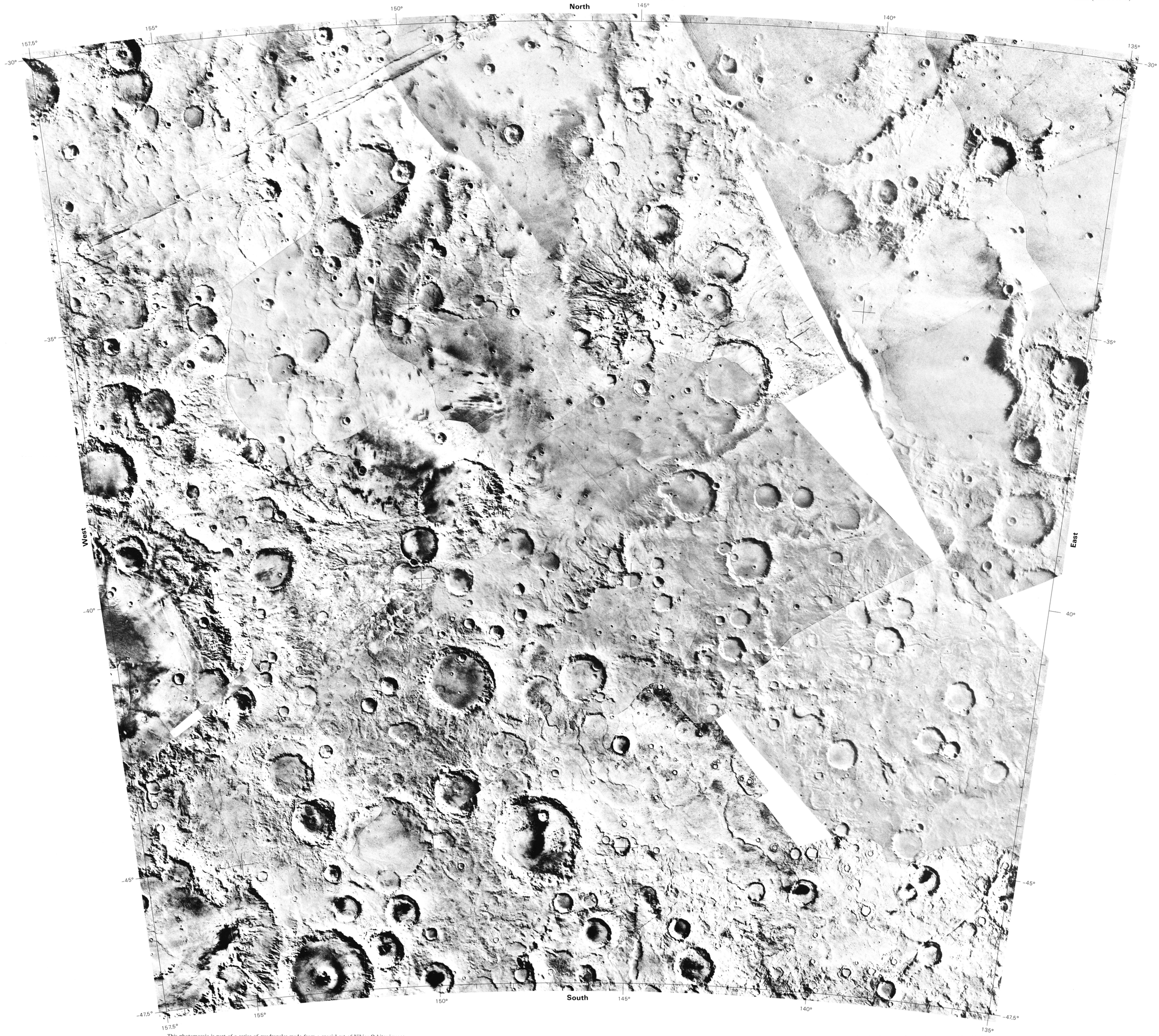
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Prepared for the
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

ATLAS OF MARS
1:2 000 000 TOPOGRAPHIC SERIES
PHAETHONTIS NORTH-CENTRAL
M 2M –39/146 CM, 1981
I-1336 (MC-24 N-C)

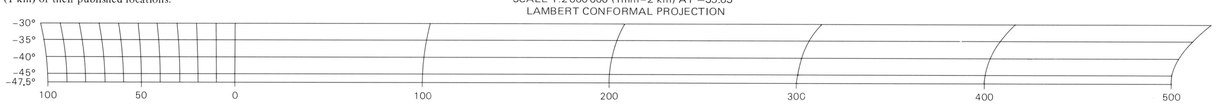


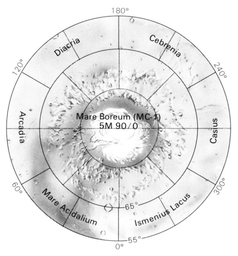
This photomosaic is part of a series of quadrangles made from a special set of Viking Orbiter images acquired specifically for systematic global mapping. Image resolution is 130 to 300 meters per picture element. The average sun elevation angle is 20° (solar zenith angle 70°). The images have been digitally enhanced by the Jet Propulsion Laboratory's Mission and Test Imaging System to accentuate high-frequency detail. Image placement is based on the 1978 control net (Davies, M. E., and others, 1978, Control net of Mars: February 1978: The Rand Corp. RO2309-NASA). At least 66 percent of the image control points lie within 0.5 mm (1 km) of their published locations.

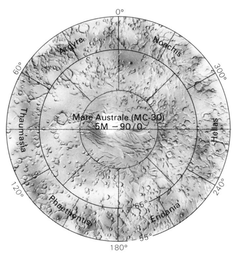
Interior—Geological Survey, Reston, Va.—1981—G81068

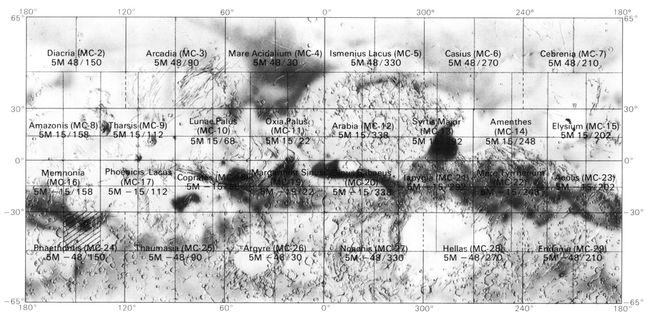
Prepared on behalf of the Mars Data Analysis Program, Planetary Division, Office of Space Science, National Aeronautics and Space Administration under contract W-14,575

SCALE 1:2 000 000 (1mm=2 km) AT –35.83°
LAMBERT CONFORMAL PROJECTION





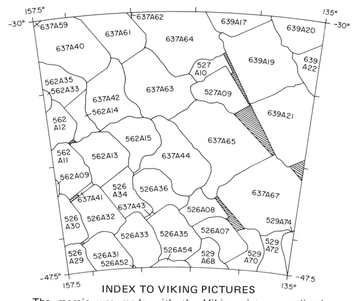




QUADRANGLE LOCATION

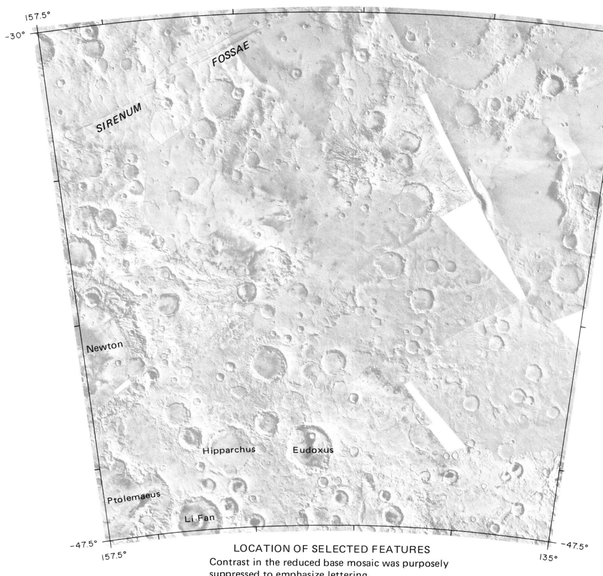
LISTING OF PUBLISHED
1:2000000 PHOTOMOSAICS

I No.	Quadrangle Name	I No.	Quadrangle Name
I-1183	Coprates Southwest (MC-18 SW)	I-1307	Lunae Palus Southeast (MC-10 SE)
I-1184	Coprates Southeast (MC-18 SE)	I-1328	Diacria Northwest (MC-2 NW)
I-1185	Memnonia Northeast (MC-16 NE)	I-1331	Amazonis Northeast (MC-8NE)
I-1186	Memnonia Northwest (MC-16 NW)	I-1332	Amazonis Southwest (MC-8 SW)
I-1187	Memnonia Southeast (MC-16 SE)	I-1333	Amazonis Southeast (MC-8 SE)
I-1188	Memnonia Southwest (MC-16 SW)	I-1334	Amazonis Northwest (MC-8 NW)
I-1189	Phoenicis Lacus Southwest (MC-17 SW)	I-1335	Phaethontis Northeast (MC-24 NE)
I-1190	Phoenicis Lacus Southeast (MC-17 SE)	I-1336	Phaethontis North-Central (MC-24 N-C)
I-1191	Argyre Northwest (MC-26 NW)	I-1337	Eridania Southeast (MC-29 SE)
I-1192	Argyre North-Central (MC-26 N-C)	I-1338	Eridania Southwest (MC-29 SW)
I-1193	Argyre Northeast (MC-26 NE)	I-1339	Eridania Northeast (MC-29 NE)
I-1205	Phoenicis Lacus Northwest (MC-17 NW)	I-1340	Eridania North-Central (MC-29 N-C)
I-1206	Phoenicis Lacus Northeast (MC-17 NE)	I-1341	Eridania Northwest (MC-29 NW)
I-1207	Coprates Northwest (MC-18 NW)	I-1342	Oxia Palus Southeast (MC-11 SE)
I-1208	Coprates Northeast (MC-18 NE)	I-1343	Oxia Palus Southwest (MC-11 SW)
I-1209	Margaritifer Sinus Southwest (MC-19 SW)	I-1344	Oxia Palus Northeast (MC-11 NE)
I-1210	Margaritifer Sinus Southeast (MC-19 SE)	I-1345	Oxia Palus Northwest (MC-11 NW)
I-1211	Sinus Sabaeus Southwest (MC-20 SW)	I-1347	Mare Acidalium Northwest (MC-4 NW)
I-1212	Sinus Sabaeus Southeast (MC-20 SE)	I-1348	Mare Acidalium Northeast (MC-4 NE)
I-1213	Aeolis Northwest (MC-23 NW)	I-1349	Mare Acidalium Southwest (MC-4 SW)
I-1214	Aeolis Southwest (MC-23 SW)	I-1350	Mare Acidalium South-Central (MC-4 S-C)
I-1215	Aeolis Southeast (MC-23 SE)	I-1351	Mare Acidalium Southeast (MC-4 SE)
I-1258	Tharsis Northeast (MC-9 NE)	I-1352	Arcadia Southeast (MC-3 SE)
I-1259	Tharsis Northwest (MC-9 NW)	I-1353	Arcadia Northeast (MC-3 NE)
I-1260	Tharsis Southeast (MC-9 SE)	I-1354	Arcadia Southwest (MC-3 SW)
I-1261	Tharsis Southwest (MC-9 SW)	I-1355	Arcadia Northwest (MC-3 NW)
I-1262	Thaumasia Northeast (MC-25 NE)	I-1356	Diacria South-Central (MC-2 S-C)
I-1263	Thaumasia Northwest (MC-25 NW)	I-1357	Diacria Southeast (MC-2 SE)
I-1303	Lunae Palus Northwest (MC-10 NW)	I-1358	Diacria Southwest (MC-2 SW)
I-1305	Lunae Palus Northeast (MC-10 NE)	I-1359	Diacria Northeast (MC-2 NE)
I-1306	Lunae Palus Southwest (MC-10 SW)		



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 lettering.

CONTROLLED PHOTOMOSAIC OF THE PHAETHONTIS NORTH-CENTRAL QUADRANGLE OF MARS

M 2M –39/146 CM

MC-24 N-C

1981

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 64, 2255 North Gemini Drive, Flagstaff, Arizona 86001. A replacement copy will be returned.

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