DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Prepared for the
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

SCALE 1:2000000 (1mm = 2km) AT –27.3°
MERCATOR PROJECTION

100   50   0   KILOMETERS   100   200   300   400   500
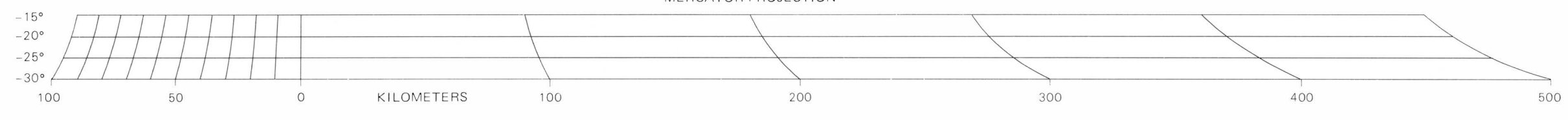
Interior – Geological Survey, Reston, Va – 1979 – G79560
Prepared on behalf of the Planetary Geology Program,
Planetary Division, Office of Space Science, National
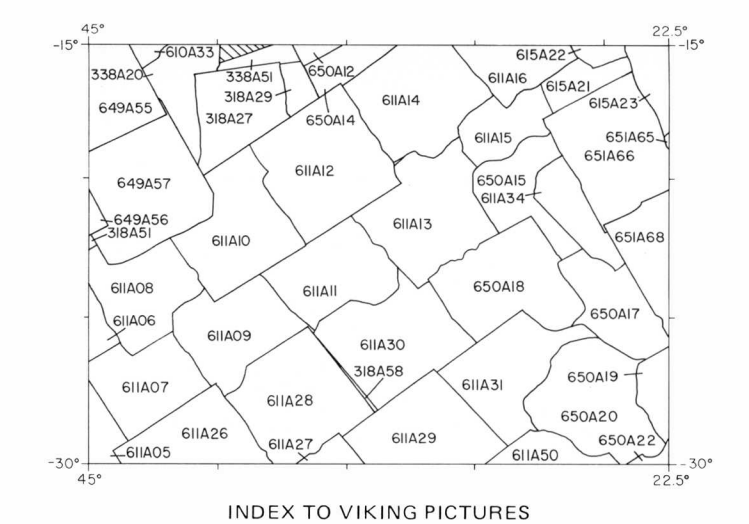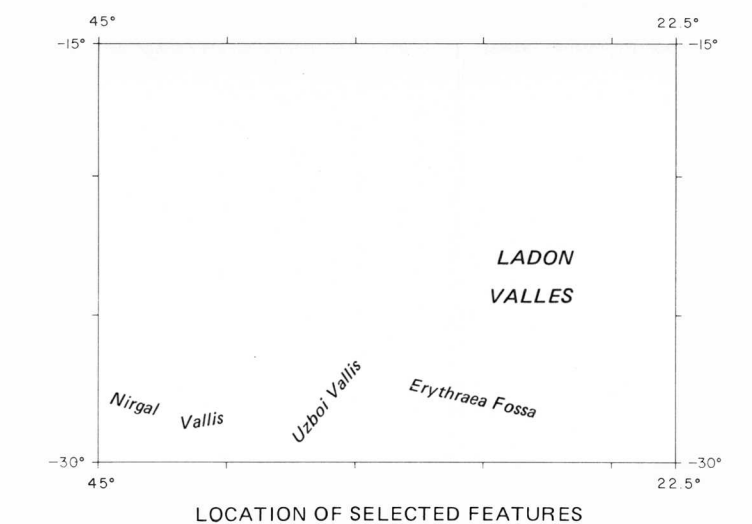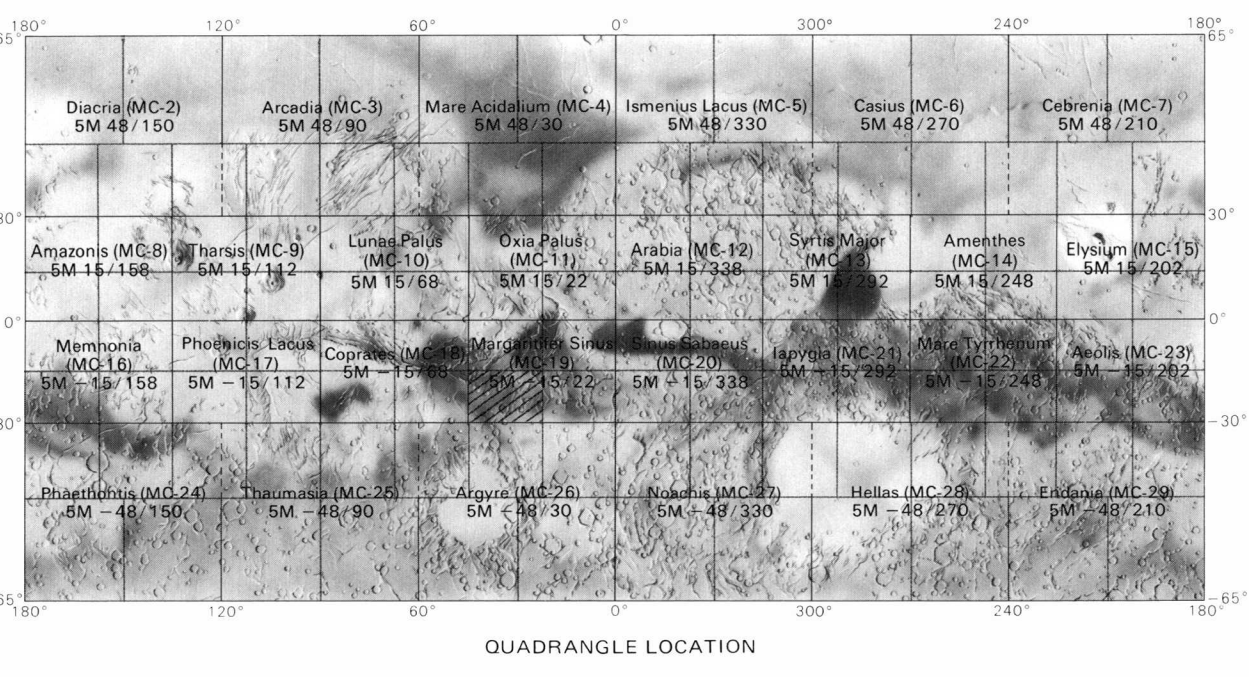Aeronautics and Space Administration under contract
W-13,709
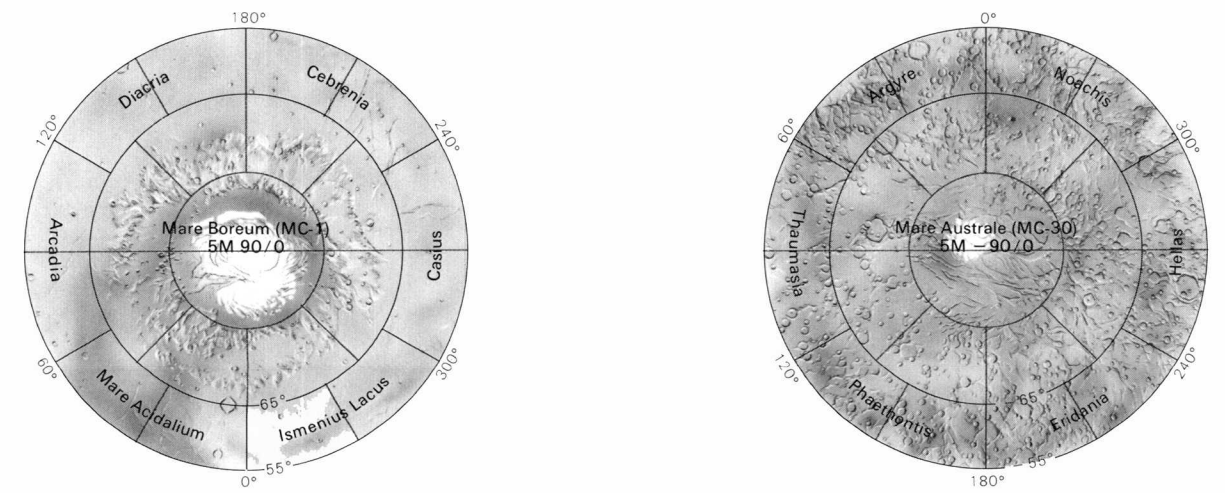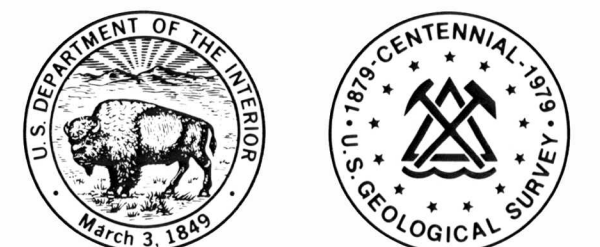
LISTING OF PUBLISHED
1:2000000 PHOTOMOSAICS

I No.	Quadrangle Name
I-1183	Coprates Southwest (MC-18 SW)
I-1184	Coprates Southeast (MC-18 SE)
I-1185	Memnonia Northeast (MC-16 NE)
I-1186	Memnonia Northwest (MC-16 NW)
I-1187	Memnonia Southeast (MC-16 SE)
I-1188	Memnonia Southwest (MC-16 SW)
I-1189	Phoenicis Lacus Southwest (MC-17 SW)
I-1190	Phoenicis Lacus Southeast (MC-17 SE)
I-1191	Argyre Northwest (MC-26 NW)
I-1192	Argyre North-Central (MC-26 N-C)
I-1193	Argyre Northeast (MC-26 NE)
I-1205	Phoenicis Lacus Northwest (MC-17 NW)
I-1206	Phoenicis Lacus Northeast (MC-17 NE)
I-1207	Coprates Northwest (MC-18 NW)
I-1208	Coprates Northeast (MC-18 NE)
I-1209	Margaritifer Sinus Southwest (MC-19 SW)
I-1210	Margaritifer Sinus Southeast (MC-19 SE)
I-1211	Sinus Sabaeus Southwest (MC-20 SW)
I-1212	Sinus Sabaeus Southeast (MC-20 SE)
I-1213	Aeolis Northwest (MC-23 NW)
I-1214	Aeolis Southwest (MC-23 SW)
I-1215	Aeolis Southeast (MC-23 SE)

This photomosaic is part of a new 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 was based on the 1978
control net (Davies, M. E., and others, 1978, Control net of Mars: February 1978:
The Rand Corp. R02309-NASA). At least 66 percent of the image control points
lie within 0.5 mm (1 km) of their published locations.

This version of the quadrangle was made by the Planetary Cartography Section
of the U.S. Geological Survey under an accelerated program to allow rapid access
to Viking Orbiter pictures. The normal editing process has been abbreviated,
and relatively little effort has been expended on the cosmetic appearance of the
mosaic. This version may not, therefore, meet standards of quality normally
present in publications of the U.S. Geological Survey.

QUADRANGLE LOCATION

LADON
VALLES

Nirgal Vallis   Uzboi Vallis   Erythraea Fossa

LOCATION OF SELECTED FEATURES

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 601.4, Goddard Space Flight Center, Greenbelt,
MD 20771.

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.

CONTROLLED PHOTOMOSAIC OF THE MARGARITIFER SINUS SOUTHWEST QUADRANGLE OF MARS

M 2M –22/34 CM

MC-19 SW
1979

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 80225.