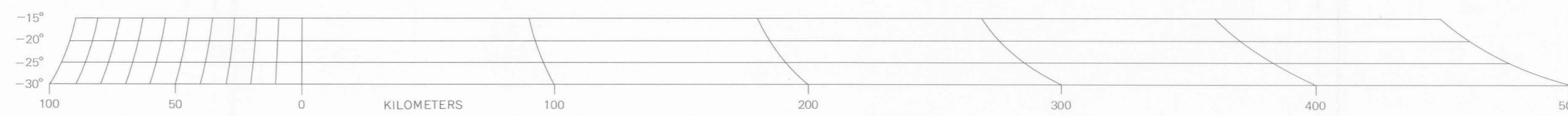


This photomosaic is part of a series of quadrangles made from a special set of Viking Orbiter images acquired specifically for systematic global mapping. Image resolution is 130 to 300 meters per picture element. The average sun elevation angle is 20° (solar zenith angle 70°). The images have been digitally 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. R02399-NASA). At least 66 percent of the image control points lie within 0.5 mm (1 km) of their published locations.

SCALE 1:2,000,000 (1 mm = 2 km) AT -27.476°  
MERCATOR PROJECTION



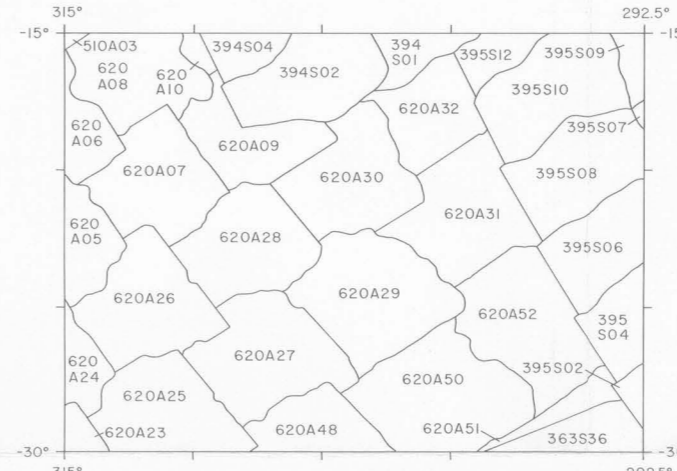
Interior—Geological Survey, Reston, Va., 1982—G82070  
Prepared on behalf of the Mars Data Analysis Program,  
Planetary Division, Office of Space Science, National Aeronautics and Space Administration under contract W-14,575



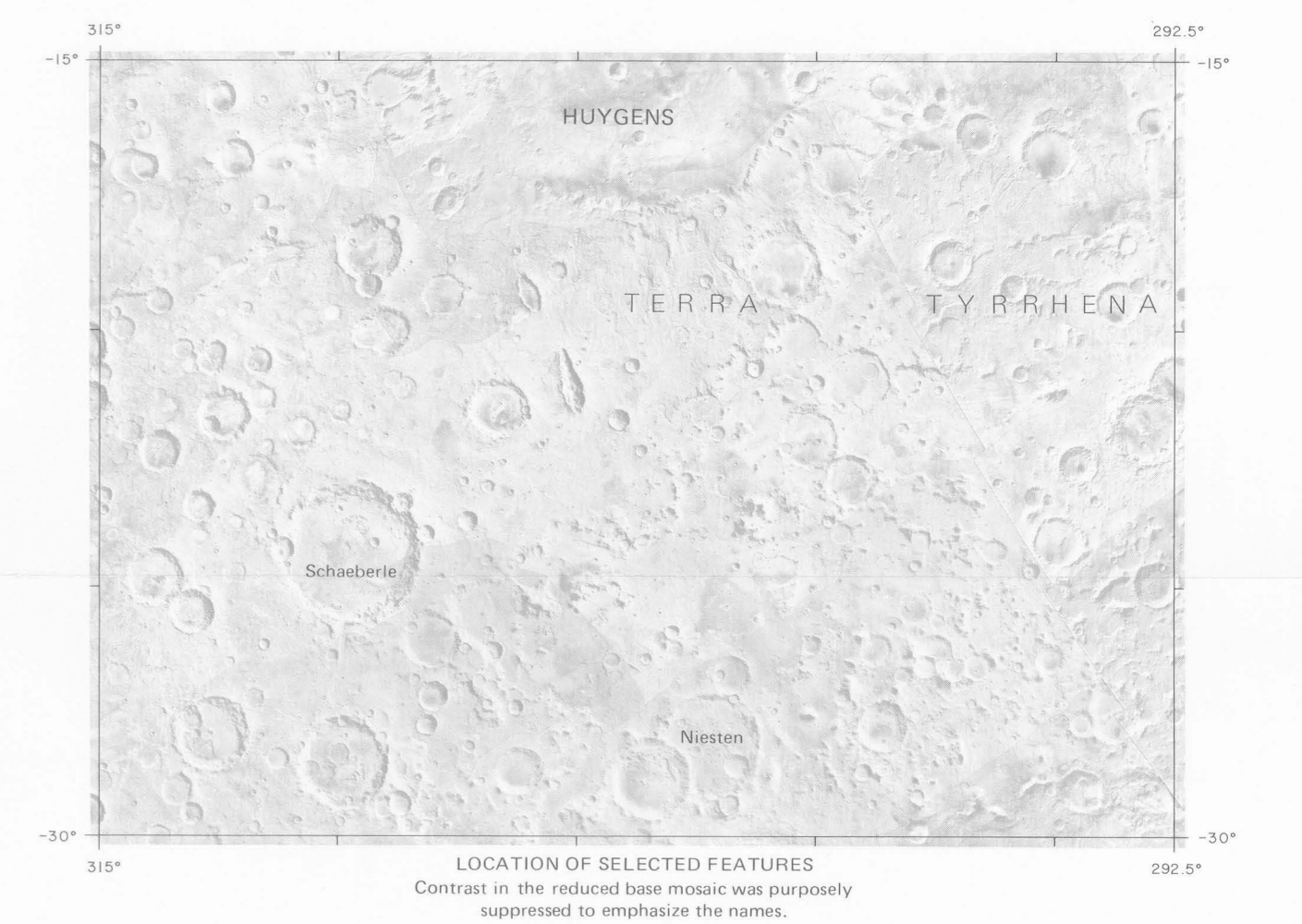
1228 Dacia (MC-2)	1229 Arcadia (MC-3)	1230 Mars Borealis (MC-1)	1231 Mars Additum (MC-4)	1232 Iremus Locus (MC-5)	1233 Cetus (MC-6)	1234 Cerberus (MC-7)
1235 Amazonia (MC-8)	1236 Thoris (MC-9)	1237 Lima Palus (MC-10)	1238 Osa Fata (MC-11)	1239 Arabis (MC-12)	1240 Syrus Major (MC-13)	1241 Amenthes (MC-14)
1242 Memnonia (MC-15)	1243 Phoenicis Locus (MC-16)	1244 Cognatus (MC-17)	1245 Margaritor Sinus (MC-18)	1246 Sinus Sabaeus (MC-19)	1247 Iapygia (MC-20)	1248 Mars Tyrrenum (MC-21)
1249 Phaenops (MC-22)	1250 Thaenops (MC-23)	1251 Argire (MC-24)	1252 Noctis (MC-25)	1253 Hellas (MC-26)	1254 Elysium (MC-27)	1255 Elysium (MC-28)

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

**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.



**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 IAPYGIA SOUTHWEST QUADRANGLE OF MARS**  
M 2M-22/304 CM  
MC-21 SW  
1982

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