

of scientific importance, not necessarily in areas of optimum coverage by high-resolution images or precise map controls. Image placement is based on a planetwide topographic control net that has a published standard error of 5 km (Wu and Schafer, 1984). A block of mosaics compiled in an area where controls have optimum distribution and precision is not likely to match adjacent blocks previously compiled in areas where controls are sparse or imprecise. Where discrepancies exist between

Digital processing and mosaicking were done by Patricia K. Thomas. NOMENCLATURE All names shown on the reduced base mosaic are approved by the International Astronomical Union (IAU, 1974, 1980). M 500k -20/182 CM: Abbreviation for Mars; 1:500,000 series; center of sheet lat 20° S., long 182°; controlled photomosaic (CM).

adjacent mosaics, the more recent compilation is likely to be more accurate.

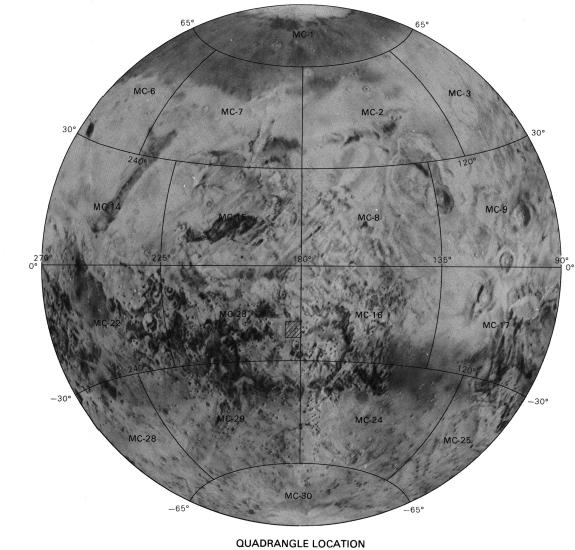
an equatorial radius of 3393.4 km and a polar radius of 3375.7 km.

The projection is part of a Mars Transverse Mercator (MTM) system with 20° zones. The scale factor at the central meridian of the zone containing this quadrangle is 0.9960. The projection scale is based on an oblate spheroid (flattening of 1/192) with

REFERENCES Batson, R.M., 1987, Digital cartography of the planets: New methods, its status, and its future: Photogrammetric Engineering and Remote Sensing, v. 53, no. 9, Edwards, Kathleen, 1987, Geometric processing of digital images of the planets: Photogrammetric Engineering and Remote Sensing, v. 53, no. 9, p. 1219–1222. International Astronomical Union, 1974, Commission 16: Physical study of planets and satellites and Lunar and martian nomenclature, in Proceedings of the 15th General Assembly, Sydney, 1973: Transactions of the International Astro-

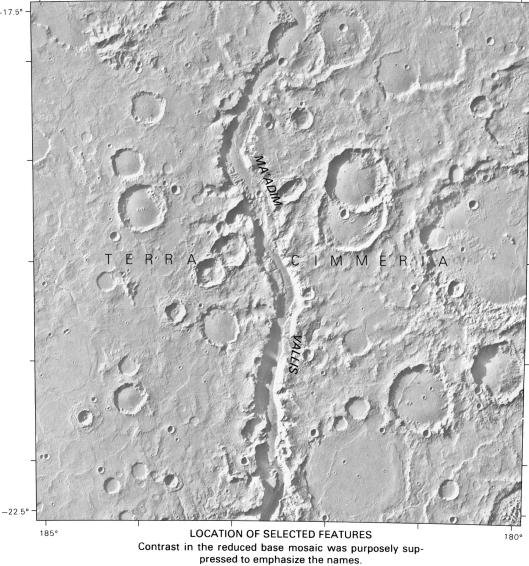
1980, Working Group for Planetary System Nomenclature, in Proceedings of the 17th General Assembly, Montreal, 1979: Transactions of the International Astronomical Union, v. 17B, p. 293-297. Wu, S.S.C., and Schafer, F.J., 1984, Mars control network: American Society of Photogrammetry, in Technical papers of the 50th annual meeting of the American Society of Photogrammetry, v. 2, Washington, D.C., March 11-16, 1984, p. 456-463.

nomical Union, v. 15B, p. 105-108, 217-221.



Photomosaic location is shown in the eastern hemisphere of

Mars. An outline of 1:5,000,000-scale quadrangles is pro-



NOTE TO USERS

INDEX MAP OF NOMINAL IMAGE RESOLUTION (METERS PER PIXEL)