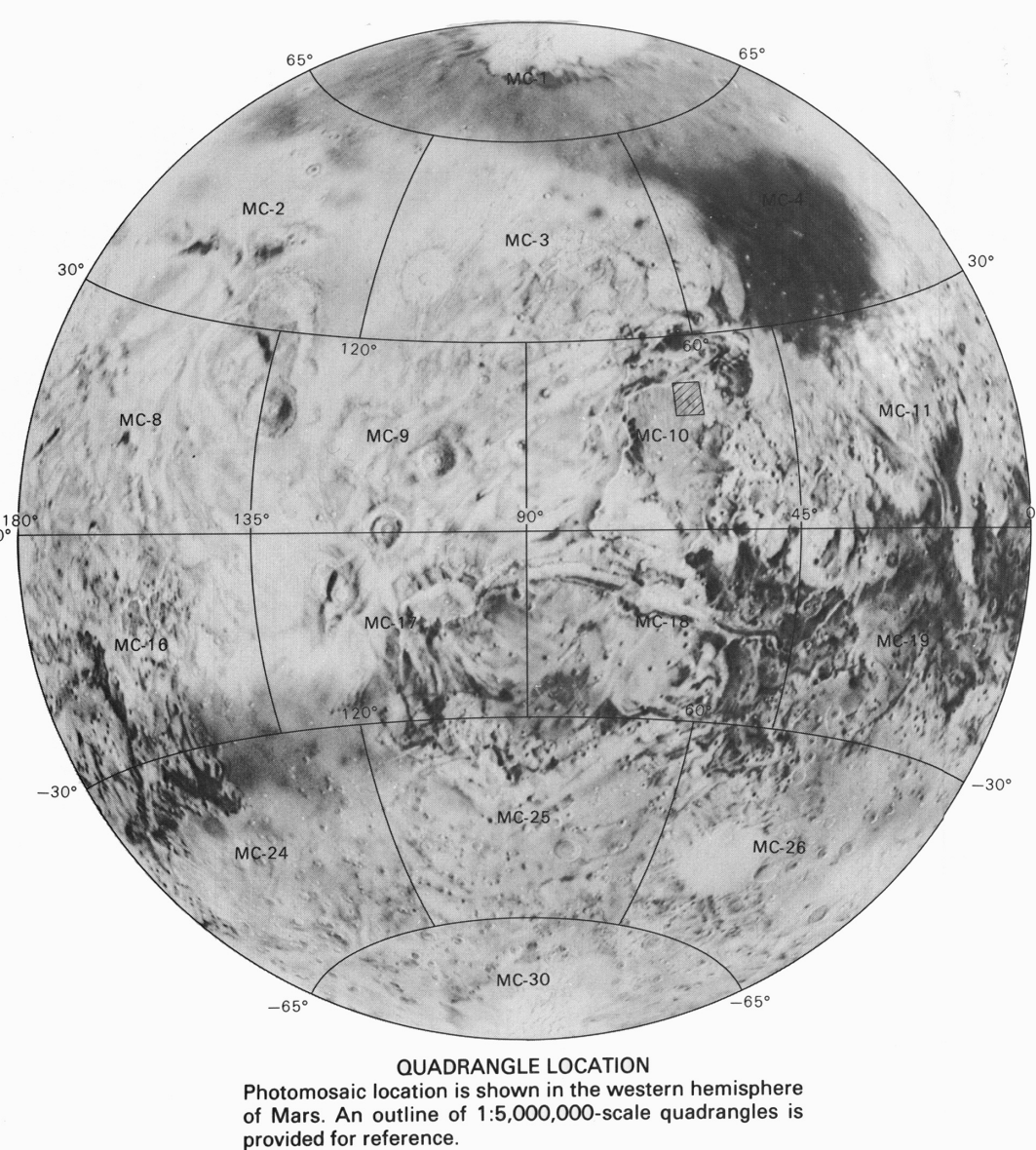


NOTES ON BASE
This photomosaic is part of a series of quadrangles selected to show areas of special interest on Mars. Viking Orbiter high-resolution pictures (less than 100 m per picture element) were used to make the mosaic. The images have been digitally enhanced to accentuate high-frequency detail. Image placement is based on the 1978 control net (Davies and others, 1978), the 1982 control net (Davies and Katayama, 1983), and the Mars control network (Wu and Schaler, 1984). These nets contain published standard errors of approximately 5 km, and agreement of points common to the nets may differ by as much as 1 cm at map scale. Image points from 12,000,000-scale controlled photomosaics were transferred to the Transverse Mercator projection where control points are sparse or not available.
The density, distribution, precision, and accuracy of available control points used for this map series are extremely variable. A block of mosaics compiled in areas of optimum control point distribution is not likely to match adjacent blocks previously compiled in areas of sparse or imprecise control. Where discrepancies exist between adjacent mosaics, the more recent compilation is probably more accurate. No attempt was made to resolve large edge discrepancies with previous compilations.
The projection is based on 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 an equatorial radius of 3393.4 km and a polar radius of 3375.7 km.

NOMENCLATURE
All names shown on the reduced base mosaic are approved by the International Astronomical Union (IAU, 1974, 1977, and 1986) except for a provisional name, which is indicated by an asterisk.
MTM 20062 Abbreviation for Mars; Transverse Mercator projection; sheet 20062.
M 500K 20/62 CM Abbreviation for Mars; 1:500,000 series; center of sheet lat 20° N, long 62°; controlled photomosaic (CM).

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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 484, 2265 North Gemini Drive, Flagstaff, Arizona 86001. A replacement copy will be returned.

MTM 20062
CONTROLLED PHOTOMOSAIC OF PART OF THE KASEI VALLES REGION OF MARS
M 500K 20/62 CM
1987

