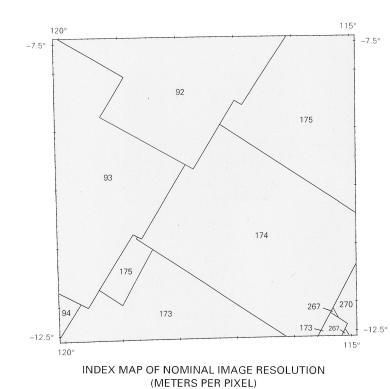


INDEX OF VIKING PICTURES

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.



NOTES ON BASE

This photomosaic covers part of an area of special scientific interest on Mars. It is published in a series designed to support topical studies, which is not expected to result in systematic coverage of the planet. The mosaic was compiled by digital methods described by Batson (1987) and Edwards (1987). Placement of image

The distribution of Viking Orbiter images suitable for mapping at a scale of 1:500,000 is uneven, as are the quality and distribution of map controls. The mosaics are usually compiled in blocks of two or more adjacent quadrangles that are selected on the basis 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 adjacent mosaics, the more recent compilation is likely to be more accurate.

data was taken from the Mars digital image map compiled by the U.S. Geological

The projection is part of a Mars Transverse Mercator (MTM) system with  $20^\circ$  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  $3393.4~\rm km$  and a polar radius of  $3375.7~\rm km$ . Digital processing and mosaicking were done by Ella M. Lee.

NOMENCLATURE
All names shown on the reduced base mosaic are approved by the International Astronomical Union (IAU, 1974, 1983, and 1992).

M 500k -10/117 CM: Abbreviation for Mars; 1:500,000 series; center of sheet

lat 10° S., long 117°; controlled photomosaic (CM).

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11-16, 1984, p. 456-463.

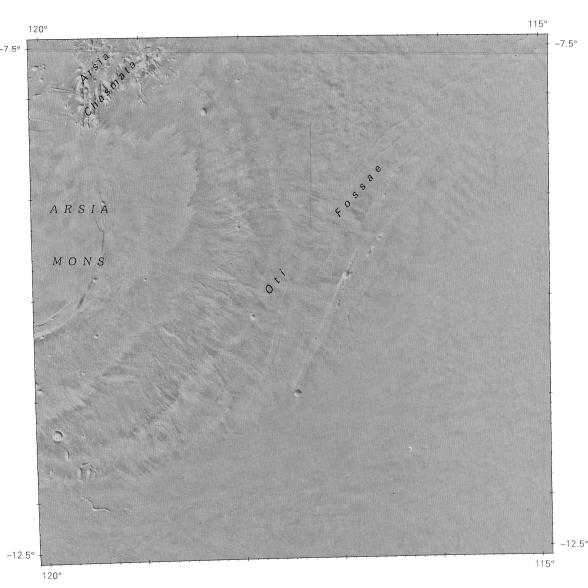
QUADRANGLE LOCATION

Photornosaic location is shown in the western hemisphere of Mars. An outline of 1:5,000,000-scale quadrangles is provided for reference.

Revised in March 1993 on behalf of the Planetary Geology Program, Solar System Exploration Division, Office of Space Science, National Aeronautics and Space Administration, under contract W–15,814

This map supersedes I–2221

Edited by Doris Weir and Derrick D. Hirsch; cartography by Angel Macias Jr. Manuscript approved for publication May 21, 1993



LOCATION OF SELECTED FEATURES

Contrast in the reduced base mosaic was purposely suppressed to emphasize the names

SCALE 1:502 000 (1 mm = 502 m) AT 110° LONGITUDE TRANSVERSE MERCATOR PROJECTION

KILOMETERS