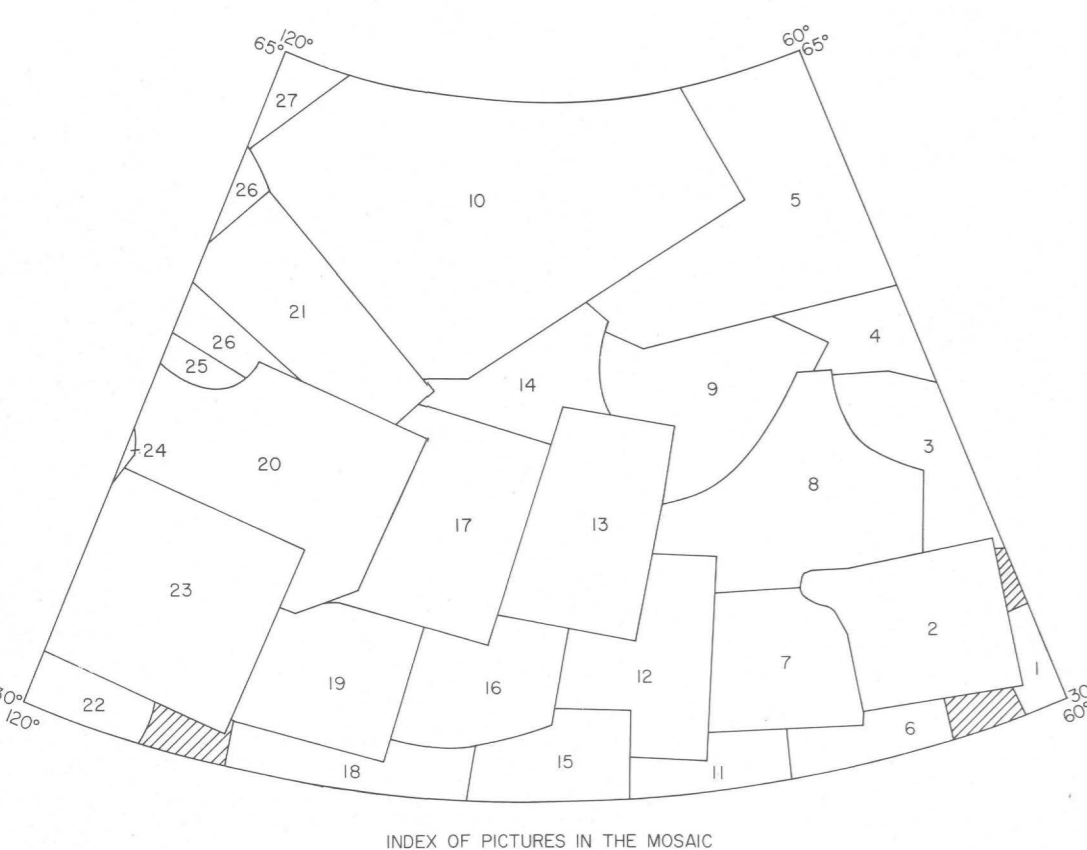


This mosaic is made with computer enhanced Mariner 9 pictures, rectified and scaled to a Lambert conformal projection. Computer processing was performed by the Image Processing Laboratory (IPL) of the Jet Propulsion Laboratory (JPL). Processing included contrast enhancement and high-pass filtering which accentuates topographic features while subduing albedo variations. Photographic reproductions of the images were generated from the IPL digital magnetic tapes and mosaicked by the U.S. Geological Survey.

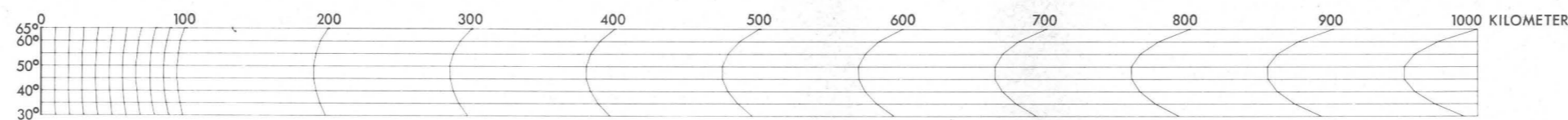
Relative horizontal placement of pictures is controlled by spacecraft tracking data, with adjustment to fit the Mariner 9 control net of August, 1972 (Davies, M.E., 1972, Mariner 9 control net of Mars: August, 1972: Rand Corp., R-1122-JPL) where possible. Individual analytical adjustment of pictures was not performed. Triangles are shown at the correct latitude and longitude of the control points identified and numbered by Davies (1972). Broken crosses are used to identify the images of the control points. Standard deviation of image placement discrepancy is less than 5 km. The projection is based on a theoretical dynamical ellipticity of 1/192. The scale is based on an equatorial radius of 3393.4 km.



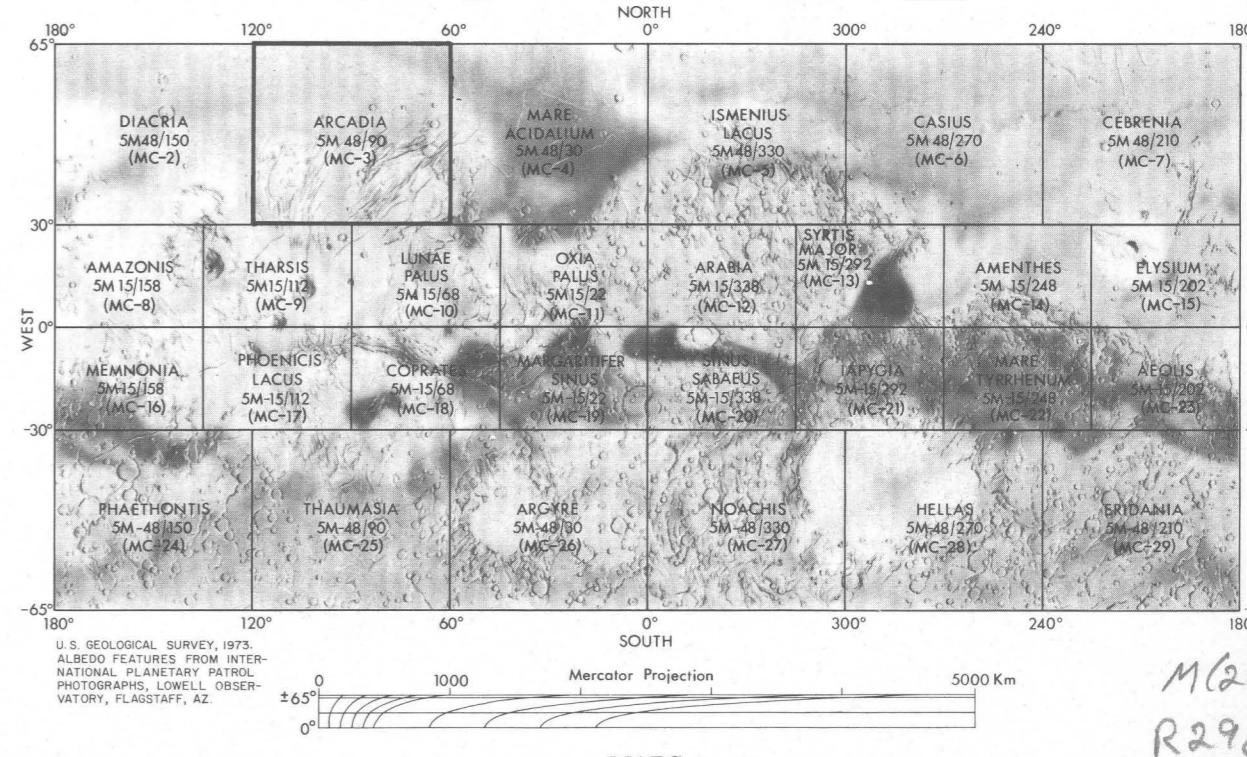
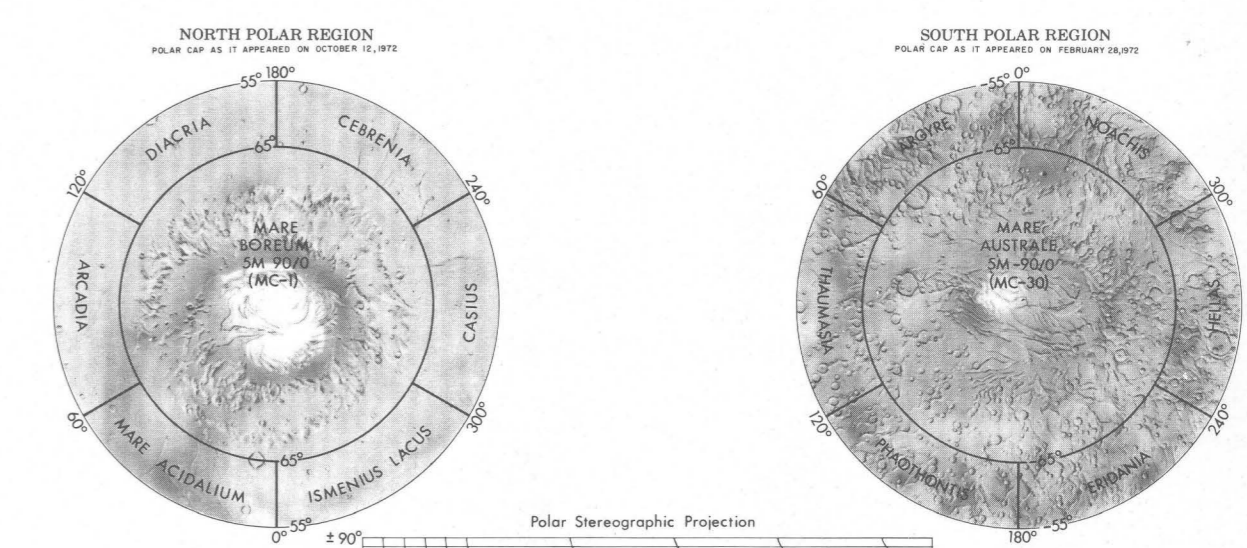
IDENTIFICATION NUMBERS OF PICTURES IN THE MOSAIC

Index No.	DAS No.	Index No.	DAS No.
1	8874779	15	8586869
2	8730999	16	8514979
3	8731139	17	8443159
4	11835706	18	8514839
5	11835986	19	9442019
6	8730859	20	8371129
7	8659069	21	1165825
8	8659109	22	8370849
9	11835566	23	8370989
10	11658885	24	8227139
11	8658829	25	8290999
12	8687009	26	11481759
13	8515119	27	11482109
14	11658535		

LAMBERT CONFORMAL PROJECTION
SCALE 1:4,336,000 AT 30° N LATITUDE



Prepared under JPL contract WO-8122
and NASA contract I-55232



ARCADIA
MC-3
M5M 48/90 SM
SEMICONROLLED PHOTOMOSAIC
FEBRUARY 1973

U. S. Geological Survey
OPEN FILE REPORT
This report is preliminary and has
not been edited or reviewed for
conformity with Geological Survey
standards or nomenclature.

Mars (Arcadia quad). Photomosaic. 1:4,336,000. 1973. C.1
cop. 7.

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no. 73-327