

LOCATION OF THE LIVNY AREA "B" CAMERA
FRAMES IN THE ERYTHRAEUM REGION

IDENTIFICATION NUMBERS OF
PICTURES IN THE MOSAIC

INDEX NO.	DAS NO.	INDEX NO.	DAS NO.
1	9232759	9	9304589
2	9232689	10	6496623
3	7829885	11	7973523
4	6426733	12	7901773
5	6426803	13	7901843
6	7829885	14	7828078
7	7829953	15	6426768
8	9304649		

DEC 2 6 1973
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This mosaic was made with Mariner 9 pictures provided by the Jet Propulsion Laboratory (JPL).
Primary image processing (image artifact removal, geometric distortion removal, high-pass filtering to enhance high frequency topographic detail while subduing albedo variation, and geometric transformation to an orthographic projection) by the Image Processing Laboratory (IPL) of JPL.
Secondary image processing (bit error removal, custom contrast & tone modification for mosaicking) by the U.S. Geological Survey (USGS), Center of Astrogeology (COA).
Photographic image reconstruction from digital magnetic tapes by COA.

Primary control by M.E. Davies, Rand Corporation.
Secondary control by D.W.G. Arthur, COA.
Mosaic by COA.

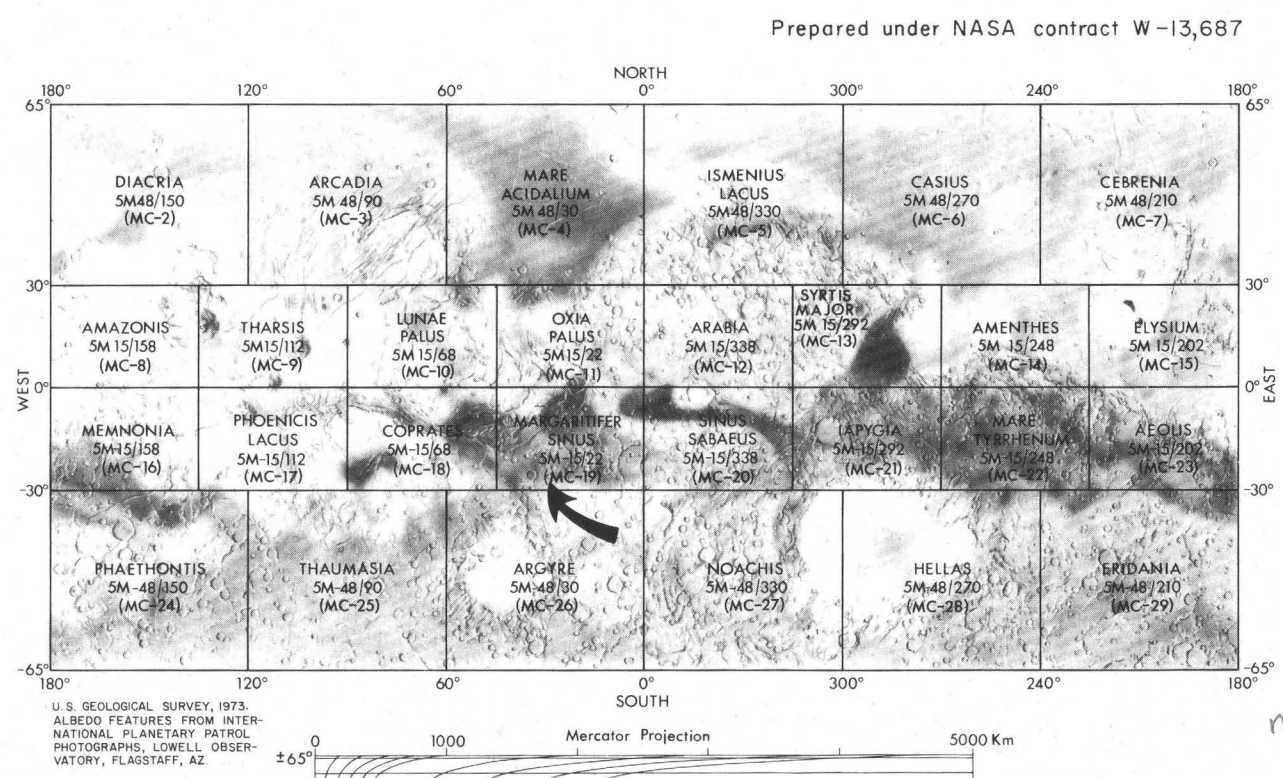
Aerographic latitudes are shown on this mosaic. The projection is based on a theoretical dynamical ellipticity of 1/192. The scale is based on an equatorial radius of 3393.4 km.
Discrepancies between computed coordinates of control points and the locations of their images on the mosaic are less than 5 km throughout the mosaic.

Selected References

Batson, R.N., Cartographic products from the Mariner 9 mission: Jour. Geophys. Res., 76, 4404, 1971.
Davies, R.E., and Arthur, D.W.G., Martian surface coordinates: Jour. Geophys. Res., 76, 4355, 1971.
Levinthal, E.C., et. al., Mariner 9 - Image processing and products, Icarus, 10, 75, 1971.
Masursky, Harold, et. al., Television experiment for Mariner Mars 1971, Icarus, 12, 10, 1970.

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.

LIVNY AREA OF MARS
(PART OF THE ERYTHRAEUM REGION)
M 250 k -28/30 CM
CONTROLLED PHOTOMOSAIC
OCTOBER 1973



Prepared under NASA contract W-13,687
INDEX MAP OF PART OF MARS SHOWING LOCATION OF
THE LIVNY AREA
Mars (Livny Area) Photomosaic 1:250,000 1973
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M(200)
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no. 73-318
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