

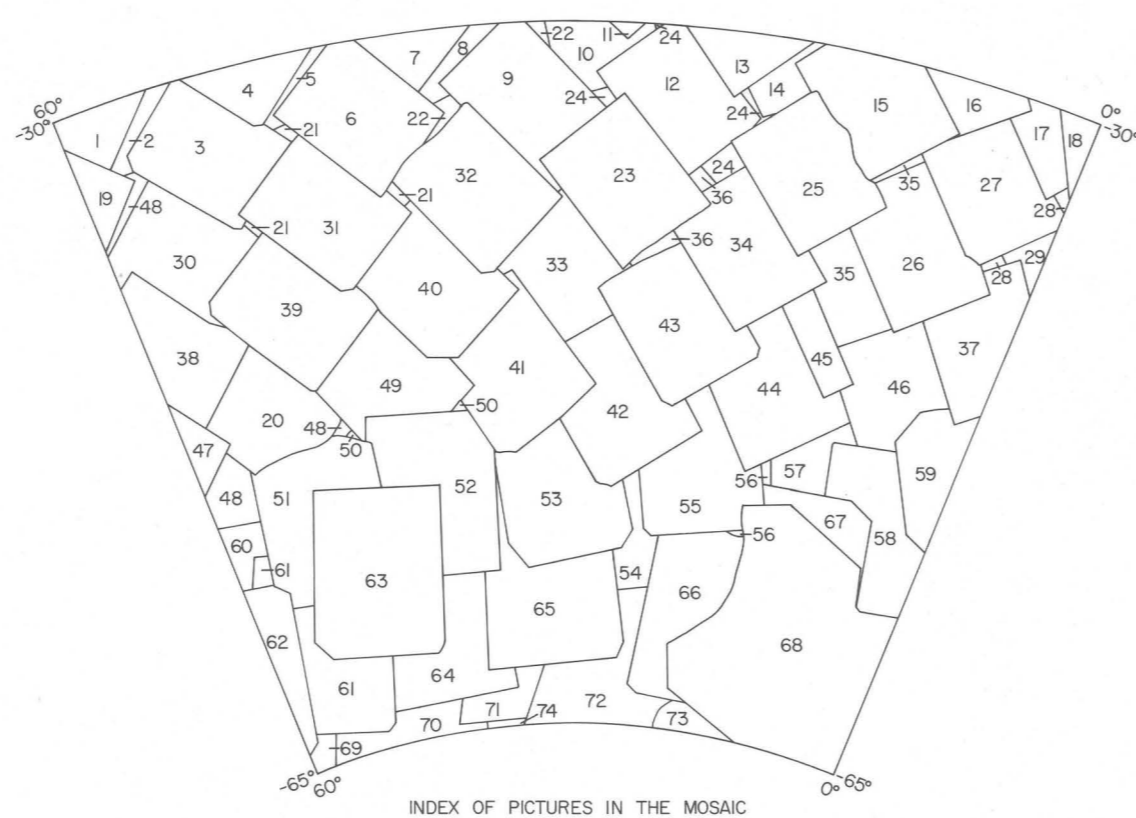
This mosaic was made with Mariner 9 pictures provided by the Jet Propulsion Laboratory (JPL), California Institute of Technology. The Image Processing Laboratory (IPL) of JPL processed the digital pictures to remove image artifacts and geometric distortions, to enhance high-frequency topographic detail while subduing low-frequency albedo variation, and to transform the pictures to a Lambert conformal conic projection. The U.S. Geological Survey performed further artifact removal and modified contrast and tone of each picture analytically on the digital magnetic tapes provided by JPL for uniformity of tone and contrast within the mosaic. Photographic reproductions of the pictures were generated from the magnetic tapes and mosaicked by the U.S. Geological Survey.

Primary horizontal control points, where available, controlled the placement of pictures. Where these points were not available, picture placement was controlled by spacecraft tracking data and by matching images in overlap zones between pictures. Discrepancies in matching these images are less than 10 km over 90% of the mosaic. The number designations and positions of the primary control points, shown by broken crosses (-), are those given by Davies and Arthur (1973).

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.

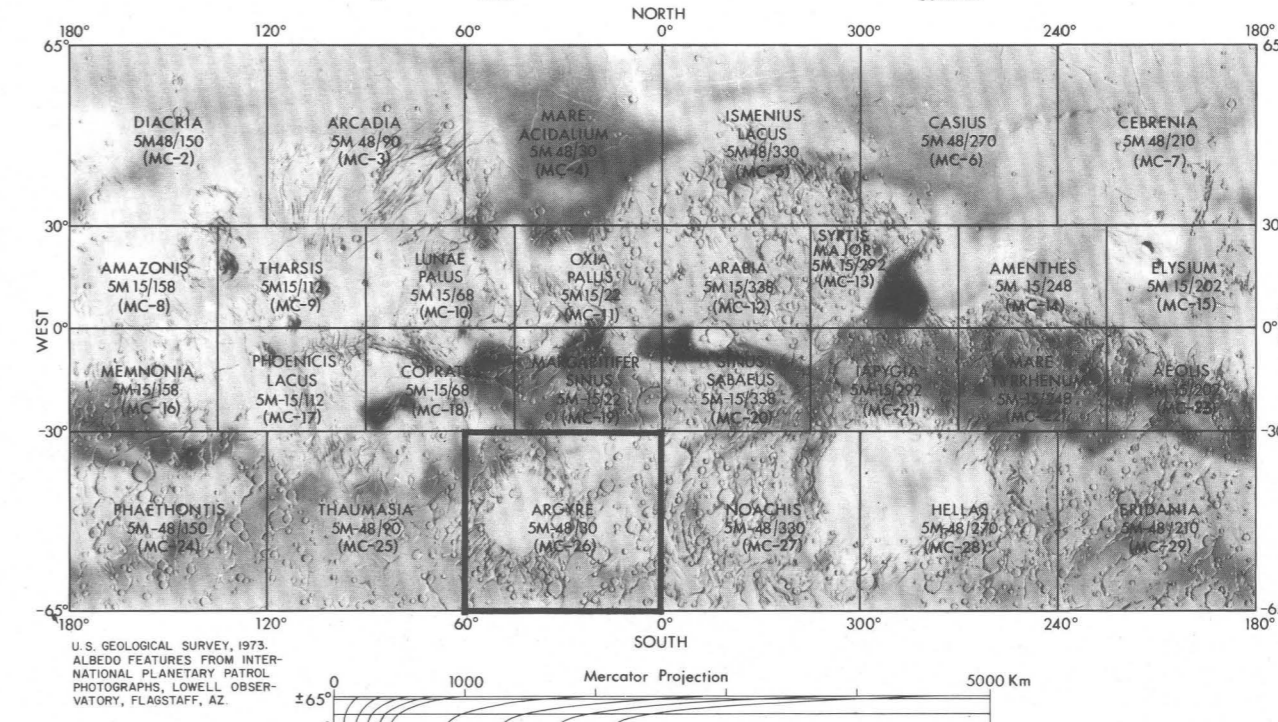
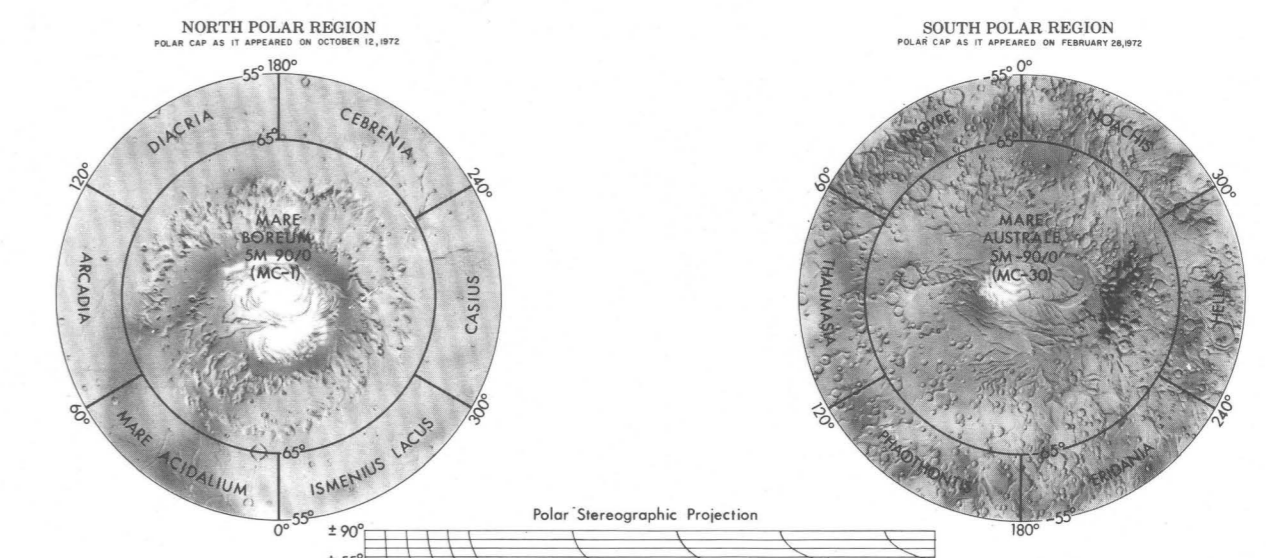
Selected References

Batson, R. M., 1973, Cartographic products from the Mariner 9 mission: Jour. Geophys. Res. (in press).
Davies, M. E., and Arthur, D. W. G., 1973, Martian surface coordinates: Jour. Geophys. Res. (in press).



IDENTIFICATION NUMBERS OF PICTURES IN THE MOSAIC

Index No.	DAS No.	Index No.	DAS No.	Index No.	DAS No.
1	6211063	26	5239253	51	6426103
2	9088839	27	5239323	52	6497993
3	6282983	28	6028433	53	5166843
4	6029393	29	5311213	54	5238813
5	9160729	30	6282813	55	5238903
6	6354773	31	4354703	56	5956613
7	6354843	32	6425593	57	5310863
8	9232619	33	6498413	58	5382753
9	6426563	34	5167293	59	5382963
10	9304509	35	6028573	60	6426033
11	6426733	36	5812623	61	6497853
12	6498553	37	5311143	62	6425953
13	6498623	38	6282743	63	6497923
14	7973453	39	6354633	64	5166803
15	5167433	40	6425523	65	5238763
16	8045413	41	6498343	66	5382613
17	5239393	42	5167153	67	5382663
18	8117303	43	5167223	68	7432703
19	6210993	44	5239113	69	5166733
20	6354563	45	5239183	70	5094703
21	5596673	46	5311073	71	5238693
22	5957673	47	6282673	72	5382543
23	6498483	48	5396603	73	5454503
24	5812693	49	6426453	74	5740523
25	5167363	50	6856743		



ARGYRE
MC-26
M 5M -48/30 SM
SEMICONROLLED PHOTOMOSAIC
APRIL 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 (Argyre quad). Photomosaic. 1:4,336,000. 1973.
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