

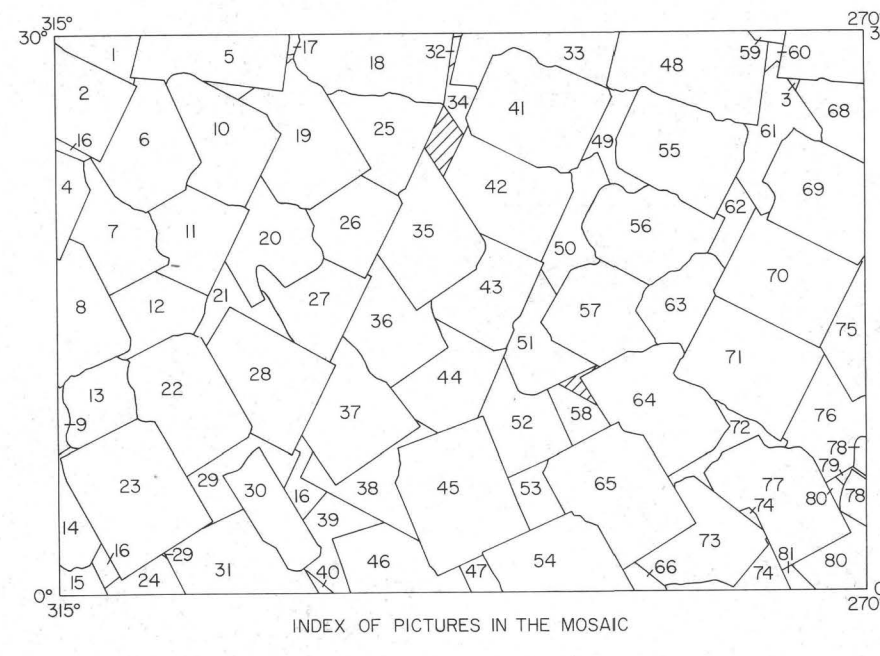
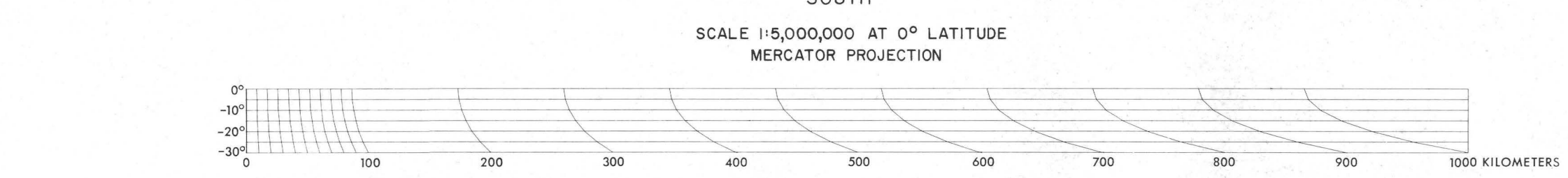
This mosaic was made with Mariner 9 pictures provided by the Jet Propulsion Laboratory (JPL), California Institute of Technology. The Image Processing Laboratory (IPL) of JPL processed the digital pictures to remove image artifacts and geometric distortions, to enhance high-frequency topographic detail while subduing low-frequency albedo variation, and to transform the pictures to a Mercator 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 IPL 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).

Areographic 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.

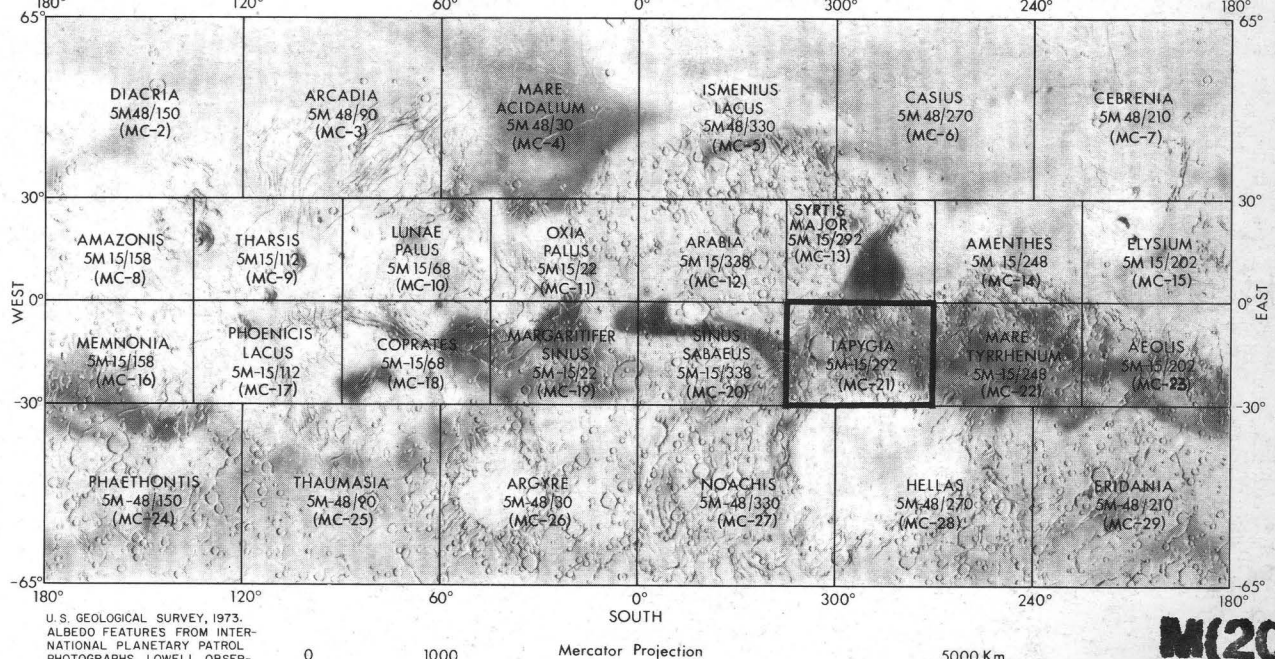
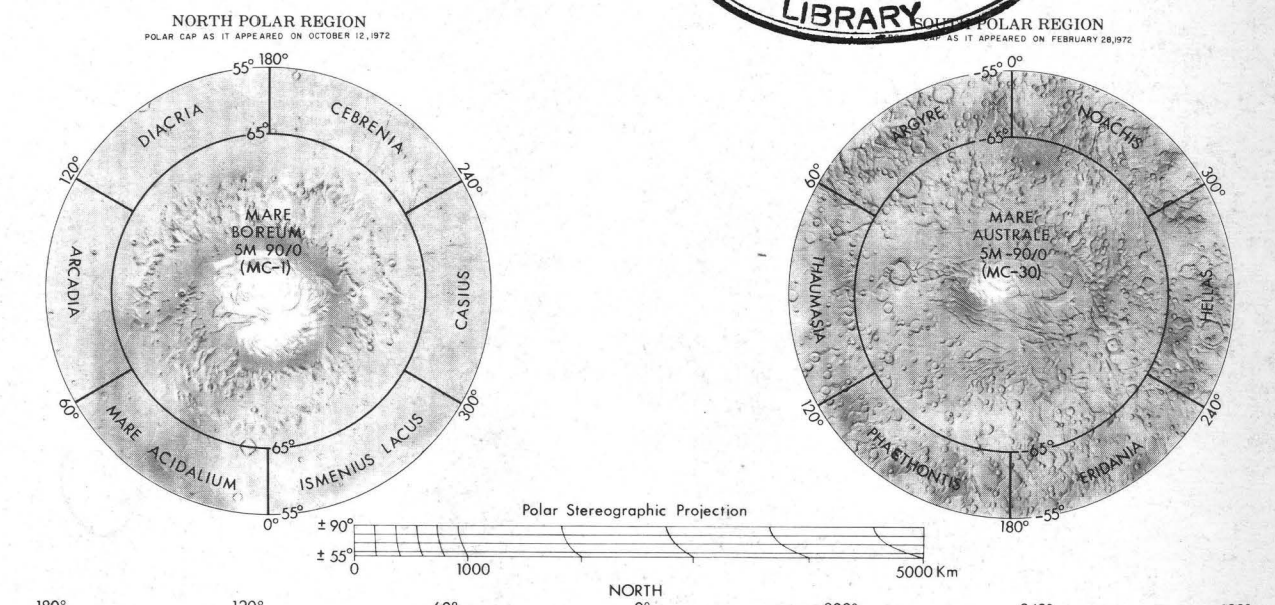
Selected References

- 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	6931153	28	7074583	55	7218783
2	6930803	29	7074513	56	7218713
3	6927223	30	8549349	57	7218643
4	6930733	31	8549279	58	7218573
5	7003113	32	7075213	59	7219203
6	8405569	33	7147173	60	7219623
7	8405499	34	8549629	61	8693619
8	8405429	35	8549559	62	8693549
9	8405359	36	8549489	63	8693479
10	7002763	37	8549419	64	8693409
11	7002693	38	5743463	65	8693339
12	7002623	39	5743393	66	5887313
13	7002553	40	5743323	67	7291163
14	7002483	41	7146823	68	7290813
15	8477249	42	7146753	69	7290743
16	6460123	43	7146683	70	7290673
17	7003603	44	7146613	71	7290603
18	7075143	45	8621309	72	5887453
19	8477599	46	8621239	73	5887383
20	8477529	47	5815353	74	8765229
21	8477459	48	7219133	75	8765439
22	8477389	49	8621589	76	8765369
23	8477319	50	8621519	77	8765299
24	5671223	51	8621449	78	7362493
25	7074793	52	8621379	79	5959413
26	7074723	53	5815423	80	5959343
27	7074653	54	8693269	81	5959273



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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.

IAPYGIA  
MC-21  
M 5M -15/292 SM  
SEMICONTROLLED PHOTOMOSAIC  
JUNE 1973

Mars (Iapygia quad.) Photomosaic. 1:5,000,000. 1973.  
Map 6

LOCATION OF QUADRANGLE ON MARS  
M(200)  
R290  
no. 73-337  
c.1