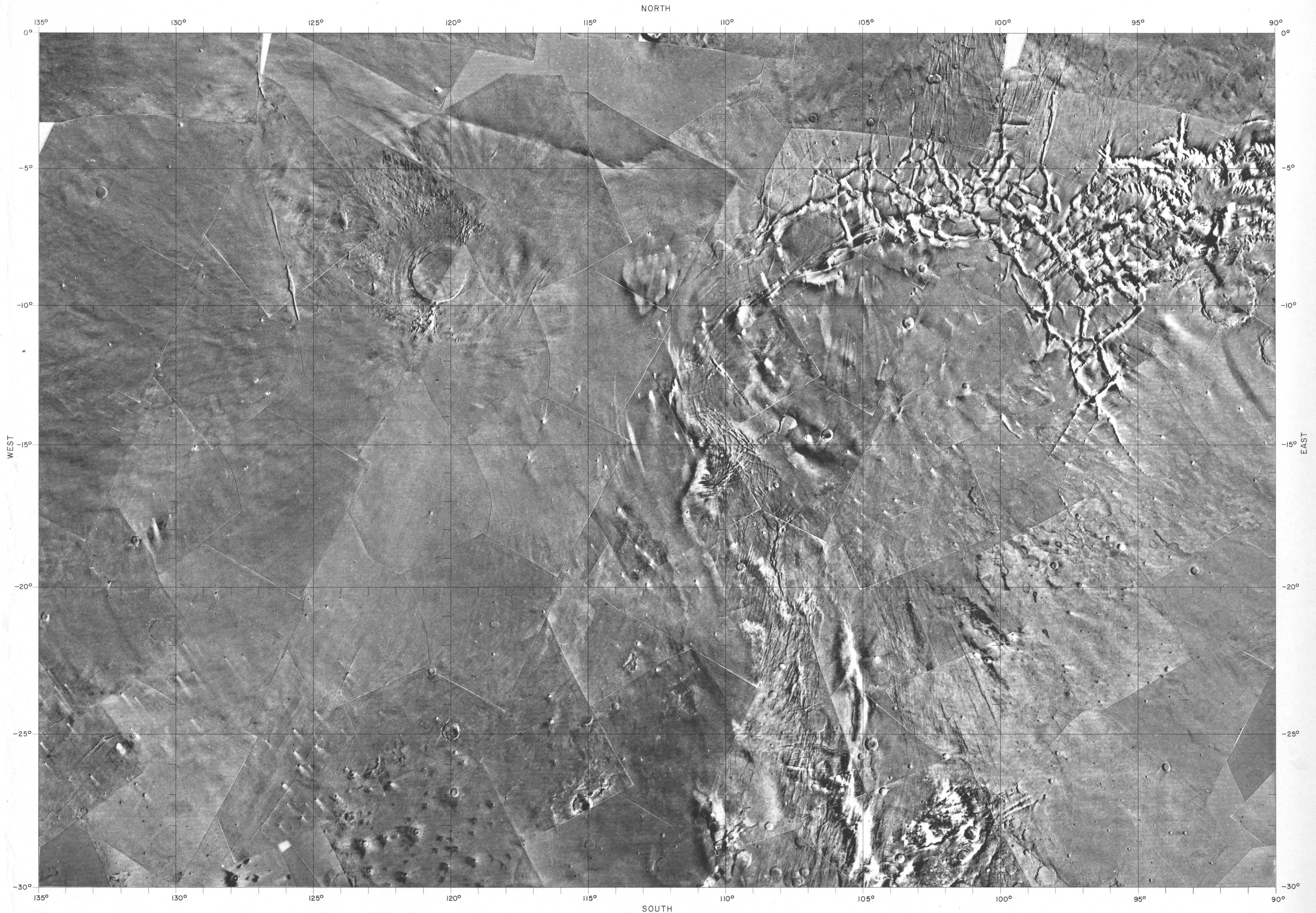


DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
JET PROPULSION LABORATORY, CALIFORNIA INSTITUTE OF TECHNOLOGY
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

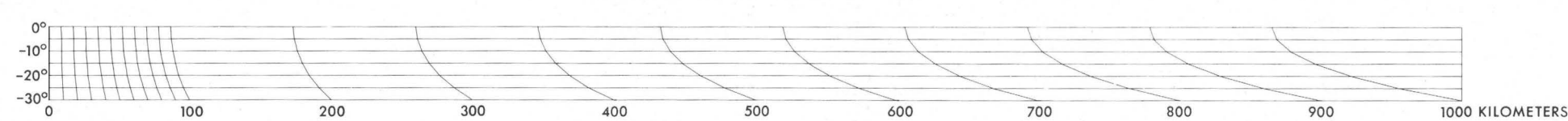
ATLAS OF MARS
PHOENICIS LACUS
MARS CHART, MC 5M 17
(SEMICONTROLLED MOSAIC)
1:5,000,000 CARTOGRAPHIC SERIES



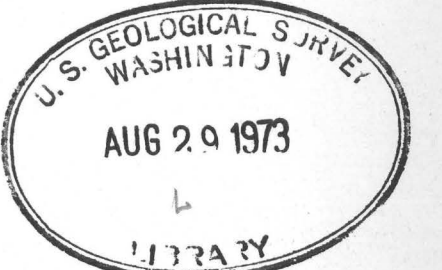
This mosaic is made with computer enhanced Mariner 9 pictures, rectified and scaled to a Mercator projection. Computer processing was performed by the Image Processing Laboratory (IPL) of the Jet Propulsion Laboratory (JPL). Processing included contrast enhancement and high-pass filtering which accentuates 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.

Horizontal controls were derived from spacecraft tracking data, which are based on astronomical definitions of the spin axis and system of longitudes in use during the Mariner 9 mission. The projection is based on a theoretical dynamical ellipticity of 1/192. The scale is based on an equatorial radius of 3393.4 km. Standard deviation in image placement is less than 5 km at map scale.

SCALE 1:5,000,000 AT 0° LATITUDE
MERCATOR PROJECTION

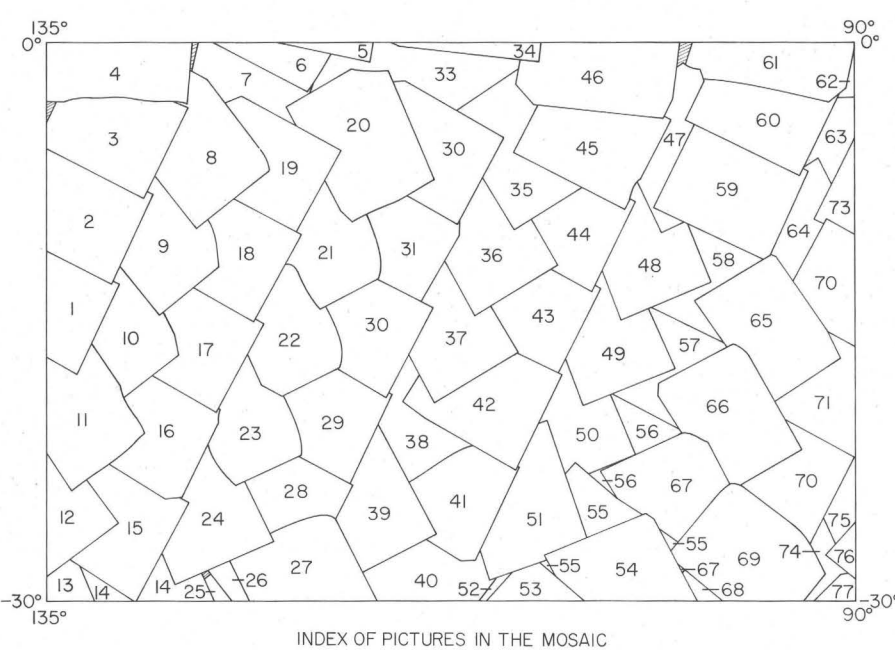


Prepared under JPL contract W0-8122

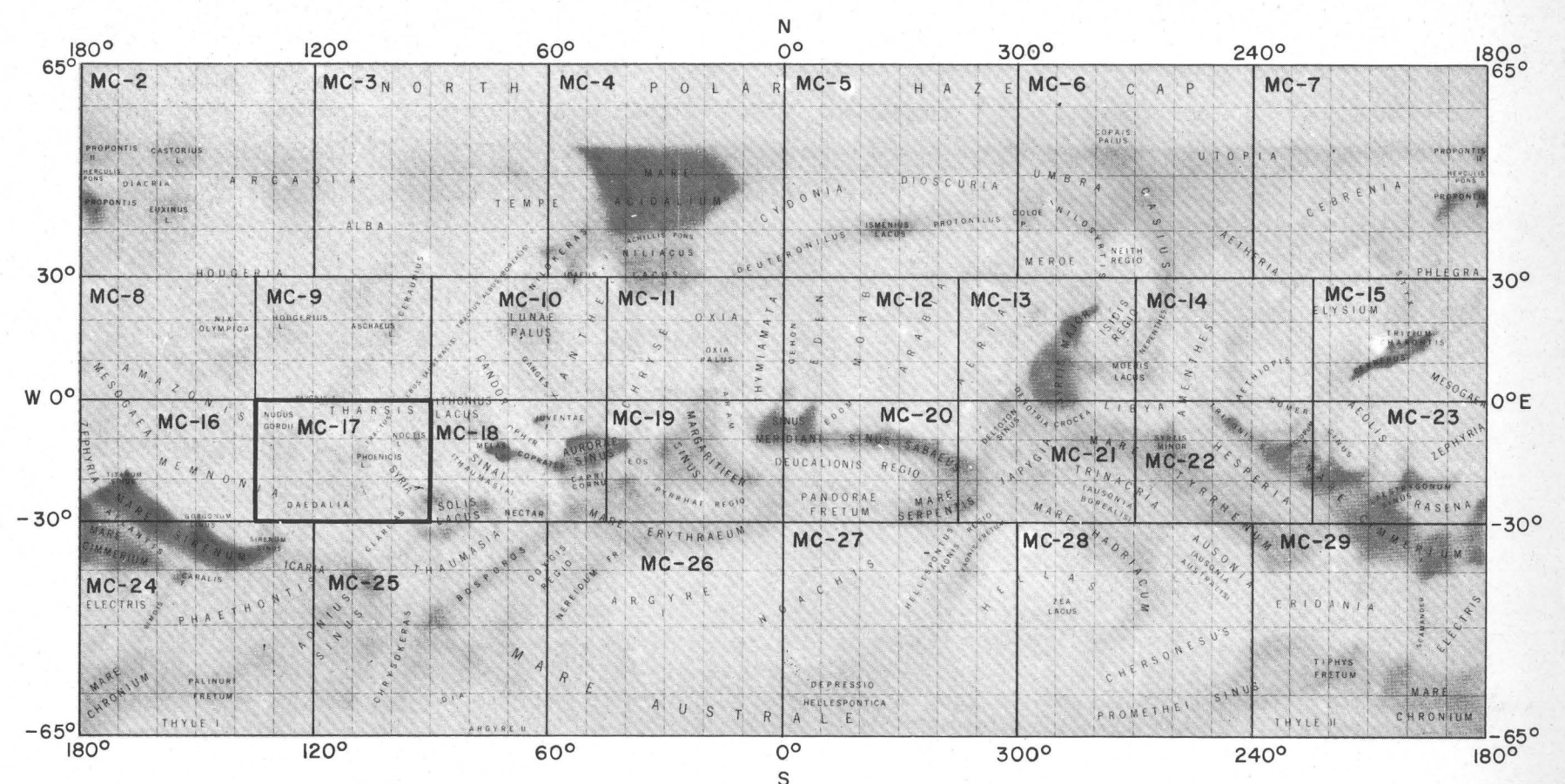


IDENTIFICATION NUMBERS OF PICTURES IN THE MOSAIC

Index No.	Revolution No.	DAS No.	Index No.	Revolution No.	DAS No.	Index No.	Revolution No.	DAS No.
1	150	6966643	27	195	8585259	53	119	5851333
2	150	6966713	28	714	7110493	54	199	8729249
3	150	6966783	29	714	7110563	55	119	5851403
4	150	6967133	30	714	7110633	56	119	5851473
5	152	7039163	31	714	7110703	57	158	7254623
6	193	8513859	32	714	7110773	58	158	7254693
7	152	7039093	33	714	7111123	59	158	7254763
8	191	8441619	34	714	7111193	60	158	7254833
9	191	8441549	35	195	8585609	61	158	7255183
10	191	8441479	36	195	8585539	62	160	7327143
11	191	8441409	37	195	8585469	63	199	8729599
12	191	8441339	38	195	8585399	64	199	8729529
13	113	5635243	39	195	8585329	65	199	8729459
14	193	8513229	40	117	5779373	66	199	8729389
15	152	7038463	41	156	7182523	67	199	8729319
16	152	7038533	42	156	7182593	68	121	5923293
17	152	7038603	43	156	7182663	69	121	5923363
18	152	7038673	44	156	7182733	70	160	7326513
19	152	7038743	45	156	7182803	71	160	7326583
20	193	8513579	46	156	7183153	72	160	7326653
21	193	8513509	47	197	8657569	73	160	7326723
22	193	8513439	48	197	8657499	74	201	8801209
23	193	8513369	49	197	8657429	75	201	8801279
24	193	8513299	50	197	8657359	76	123	5995323
25	115	5707203	51	197	8657289	77	123	5995253
26	115	5707273	52	197	8657219			



INDEX OF PICTURES IN THE MOSAIC



LOCATION OF QUADRANGLE ON MM71 MARS PLANNING CHART (G. deVaucouleurs, J. Roth, 1971)

PHOENICIS LACUS MC 5M 17

SEMICONTROLLED PHOTOMOSAIC

SEPTEMBER 1972

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

M(200)
R290

no. 73-333
C.1

Mars (Phoenix quad) Photomosaic 1:5,000,000 1973
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