JSC-08640

APOLLO 17
INDEX
MAPPING CAMERA AND PANORAMIC CAMERA PHOTOGRAPHS

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MAPPING SCIENCES BRANCH
EARTH OBSERVATIONS DIVISION
SCIENCE AND APPLICATIONS DIRECTORATE

National Aeronautics and Space Administration

LYNDON B. JOHNSON SPACE CENTER

Houston, Texas

APOLLO 17

INDEX OF MAPPING CAMERA AND PANORAMIC CAMERA PHOTOGRAPHS

Mapping Sciences Branch

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Johnson Space Center

Houston, Texas

APPROVED: M. C. McEwen

M. C. McEwen
Lunar Screening and Indexing Group

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PREFACE

Indexing of Apollo 17 photographs was performed at the Defense Mapping Agency Aerospace Center under the direction of Charles Miller, NASA Program Manager, Aerospace Charting Branch. NASA contract W-13604 was monitored at NASA Headquarters by Arthur T. Strickland, Chief of Cartography in the Lunar Programs Office, and at the Johnson Space Center in the Mapping Sciences Branch, Andrew W. Patteson, Chief.

Editing and final preparation of this document was performed by Lockheed Electronics Company, Houston Aerospace Division, Image Analysis and Cartography Section, under the direction of F. W. Solomon, Acting Chief.

APOLLO 17

INDEX OF MAPPING CAMERA

AND PANORAMIC CAMERA PHOTOGRAPHS

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

APOLLO 17

INDEX OF MAPPING CAMERA

AND PANORAMIC CAMERA PHOTOGRAPHS

INTRODUCTION

This index contains supplemental data for all photographs from the Apollo 17 Panoramic Camera and Mapping (or Metric) Camera, the two systems in the Scientific Instrument Module (SIM) Bay of the Service Module.

The photographs are listed in two ways: (1) chronological order, and (2) by longitude in 10^{o} increments. Where listed by longitude, the photographs within each 10^{o} segment are listed in chronological order so that all photographs taken on a single revolution within that 10^{o} segment are listed together.

The Mapping Camera, described in Table 1, was operated on 15 passes while in lunar orbit. The camera was operated from terminator to terminator on each pass except revolution 65, in which the camera was turned off between 140^{o}E and 104^{o}E. (Figure 1, which was prepared during the mission, does not indicate the frames exposed between 145^{o} and 140^{o} in revolution 65.) Additional frames were exposed during transearth coast (TEC).

A summary of the frames which contain imagery, the spacecraft attitude, and the start and stop coordinates for each pass is given in Table 3.

The Mapping Camera lens cover was in the field of view in revolution two from frame 232 through the end of the pass and in all frames exposed in revolution 49. The cover obscures the eastern, or aft, 25 to 30% of the frame.

The Panoramic Camera, described in Table 2, was operated on ten passes in lunar orbit and for a short burst during TEC. Photographic coverage during the orbital passes is shown in Figure 2. The shortness of the Panoramic Camera passes relative to the Mapping Camera passes is due to a 30-minute limit on continuous operation and to a much higher rate of film use in the Panoramic Camera.

For the first time in an Apollo mission this camera was operated when the spacecraft was in an attitude other than local vertical (Table 4); oblique views of the lunar surface were recorded in revolutions 36 and 62.

In normal stereo-mode operation, the stereo mate to forward-looking frame N is aft-looking frame N + 5. Two exceptions to this rule occurred in Apollo 17: (1) In revolution two, the stereo mate of forward-looking frame

1831 is aft-looking frame 1838. Through the remainder of revolution two, the stereo mate of forward-looking frame N is aft-looking frame N + 7. (2) In revolution 62, the pitched-up attitude of the spacecraft makes the resultant photographs unsuitable for ordinary stereo viewing.

In indexing Mapping Camera and Panoramic Camera photographs, individual frames are matched to imagery on the 1:2,750,000 scale Lunar Planning Chart (LOC) series. Each frame is outlined on the base map and the principal point is determined. The latitude and longitude of each principal point, to the nearest 0.1 degree, is recorded in the tabular section of this index.

Each frame is described in terms of a lunar surface feature within the boundaries of the frame or the nearest named feature outside the frame.

Spacecraft altitude, rounded to the nearest kilometer, is derived from spacecraft trajectory data. A lunar radius of 1738 km is assumed, and where the local lunar radius differs from that figure actual spacecraft altitude differs from the value reported.

Tilt and azimuth figures are extracted from the Apollo 17 Photograph Evaluation (APE) Data, which in turn were derived from trajectory data and spacecraft inertial navigation equipment. Sun elevation at the principal point of each photograph, also derived from the Apollo 17 APE data, is expressed to the nearest degree.

MAPPING (METRIC) CAMERA

The optic axis of the Mapping Camera is at a fixed angle relative to the spacecraft and is vertical when the spacecraft is in normal "SIM Bay" attitude. Mapping Camera stereo coverage is obtained by overlap, nominally 78 percent, of consecutive frames along the groundtrack. Oblique views are obtained by spacecraft attitude changes.

TABLE 1. MAPPING CAMERA CHARACTERISTICS

LENS	FOCAL LENGTH:	3 INCH (7.62 CM)
	FIELD OF VIEW:	74° BY 74°
FILM	WIDTH:	5 INCH (12.70 CM)
	IMAGE:	4.5 BY 4.5 INCH (11.43 CM)
	TYPE:	3400, PANATOMIC-X AERIAL

PANORAMIC CAMERA

The Panoramic Camera can be operated in monoscopic (vertical) and stereo modes. In either mode the optical system scans crosstrack to record an image 45 by 4.5 inches. In the vertical mode the optic axis is nominally aligned with local vertical, parallel with the optic axis of the Mapping Camera, and consecutive frames overlap approximately 10 percent. In the stereo mode the camera optics are pointed alternately forward and aft 12.5^{0} from local vertical. The stereo mate of forward-looking frame N is aft-looking frame N+5. The convergent angle is 25^{0}, and overlap of a stereo pair is nominally 100 percent. The overlap of consecutive forward frames or consecutive aft frames is 10 percent.

TABLE 2. PANORAMIC CAMERA CHARACTERISTICS

LENS	FOCAL LENGTH:	24 INCH (60.96 CM)
	FIELD OF VIEW:	CROSSTRACK 108^{0} ALONG TRACK 10^{0} 46'
FILM	WIDTH:	5 INCH (12.70 CM)
	IMAGE:	45.24 BY 4.5 INCH (114.91 x 11.43 CM)
	TYPE:	3414

TABLE 3. SUMMARY OF APOLLO 17 MAPPING CAMERA PHOTOGRAPHS

REV	ATTITUDE	NASA PHOTO NOS. AS17-	NO. FRAMES	START		STOP	
				LAT.	LONG.	LAT.	LONG.
1/2	VERT	0163-0316	154	20.1S	151.1W	19.7N	27.1E
13/14	VERT	0322-0460	139	19.7S	164.5W	19.4N	14.8E
14/15	NORTH OBLIQUE	0464-0472	9	15.6S	163.3W	18.1S	174.9W
	VERT	0473-0612	140	18.3S	176.2W	19.4N	15.2E
23/24	VERT	0667-0814	148	19.6S	174.3W	19.7N	5.0E
26/27	NORTH OBLIQUE	0820-0961	142	17.3S	176.0W	22.2N	1.5E
27/28	VERT	1094-1243	150	19.6S	178.0W	19.6N	0.7E
28/29	VERT	1376-1525	150	19.6S	178.6W	19.6N	0.8E
36	SOUTH OBLIQUE	1543-1686	144	22.9S	174.5E	16.5N	6.8W
38	VERT	1687-1833	147	19.6S	173.8E	19.4N	8.4W
39	VERT	1966-1972	7	19.4S	172.0E	--	--
49	VERT	1979-2123	145	22.1S	162.4E	21.6N	19.2W
62	FWD OBLIQUE	2151-2205	55	21.5S	144.7E	1.9S	84.0E
	VERT	2206-2298	93	1.3S	82.5E	21.8N	31.9W
65	NORTH OBLIQUE	2344-2351 2353-2371	8 20	18.6S 7.5S	144.3E 103.6E	17.7S 1.6N	139.5E 80.7E
	S/C MNVR	2372-2377	6	1.6N	79.1E	0.1S	70.5E
	SOUTH OBLIQUE	2378-2460	83	0.0	69.4E	18.4N	34.8W
66	VERT	2591-2735	145	21.8S	145.1E	21.7N	36.8W
74	VERT	2790-2937	148	21.6S	135.3E	21.7N	45.1W
TEC		3183-3289	107	5.1S	117.9E	--	--
		TOTAL	2,140				

Each revolution begins at the 180° meridian. The designation "1/2" in the REV column indicates that the camera was turned on in revolution one and continued in operation across the 180° meridian into revolution two.

TABLE 4. SUMMARY OF APOLLO 17 PANORAMIC CAMERA PHOTOGRAPHS

REV	MODE	ATTITUDE	NASA PHOTO NOS. AS17-	NO. FRAMES	START		STOP	
					LAT.	LONG.	LAT.	LONG.
1/2	STEREO	VERT	1588-1790	203	19.9S	152.6W	4.2S	143.0E
2	STEREO	VERT	1791-1880	90	3.9N	122.2E	12.1N	93.6E
13/14	STEREO	VERT	1881-2120	240	18.9S	172.1W	7.1N	99.4E
15	STEREO	VERT	2121-2360	240	6.0N	101.6E	19.4N	14.5E
28	STEREO	VERT	2365-2594	230	15.3S	154.4E	8.1N	84.1E
36	MONO	SOUTH OBLIQUE	2595-2599	5	8.5N	64.6E	9.1N	62.2E
49	STEREO	VERT	2600-2768	169	5.4N	79.7E	21.7N	24.9E
62	STEREO	FWD OBLIQUE	2769-2889	121	18.4S	130.7E	4.4S	90.2E
	MONO	VERT	2890-2900	11	17.6N	32.2E	19.3N	25.9E
74	STEREO	VERT	2901-3036	136	0.8N	66.8E	16.6N	24.1E
74	STEREO	VERT	3037-3148	112	22.4N	5.5W	21.9N	43.9W
TEC	MONO	VERT	3152-3168	17	1.3S	114.2E	4.9N	106.1E
			TOTAL	1,574				

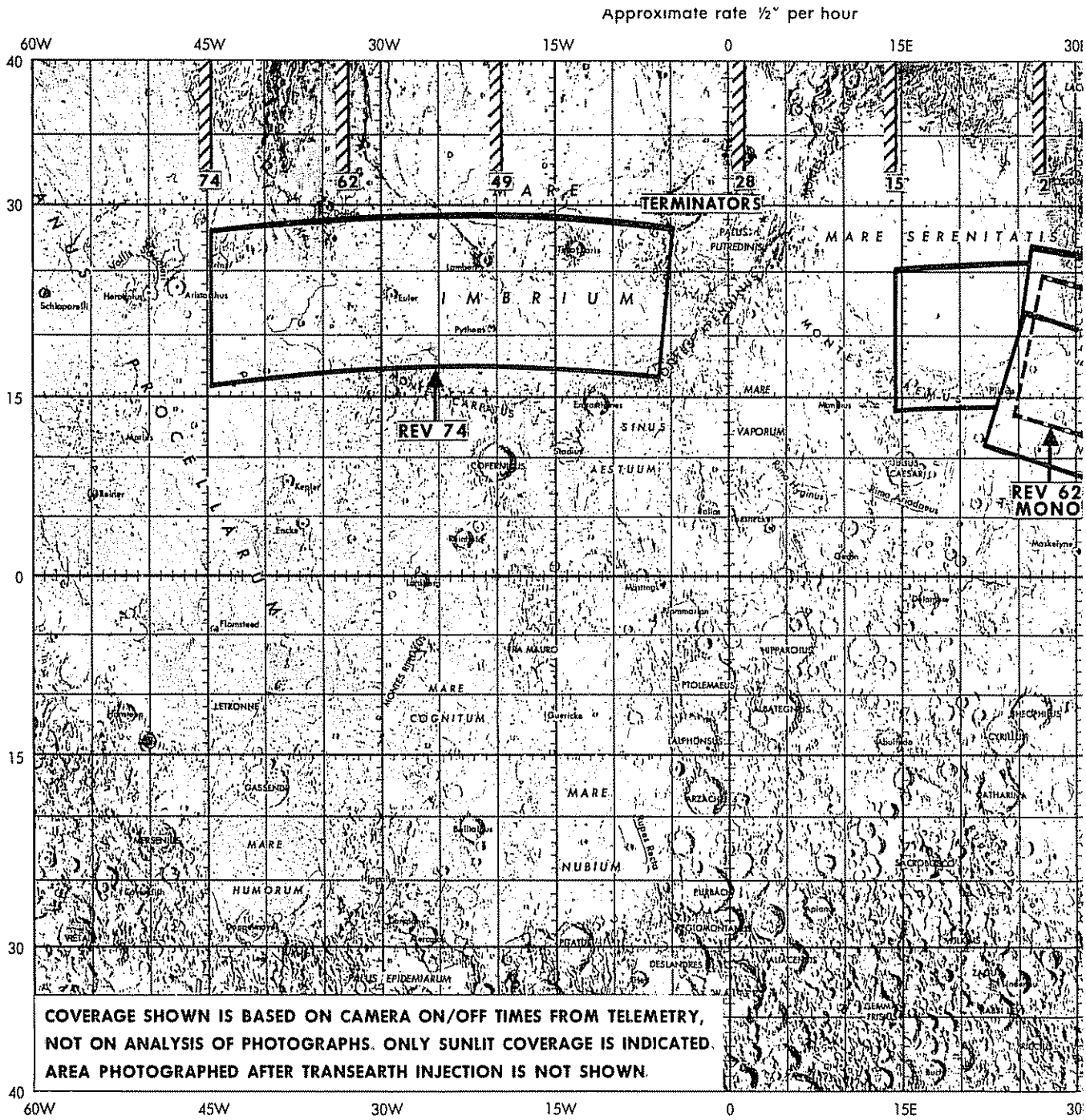
Each revolution begins at the 180° meridian. The designation "1/2" in the REV column indicates that the camera was turned on in revolution one and continued in operation across the 180° meridian into revolution two.

SOURCES OF INFORMATION

1. Apollo 17 Flight Plan.
2. Spacecraft Operational Trajectory for Apollo 17 (Pre-Mission)
3. Apollo 17 Near-Real Time Trajectory Support Parameters
4. SIM Bay Telemetry Data
5. Apollo 17 Technical Air-To-Ground Voice Transcription
6. Apollo 17 Command Module On-Board Voice Transcription
7. Copy of CMP On-Board Annotated Flight Plan
8. Lunar Orbiter Photographs
9. Lunar Orbital Science Flight Chart (LSF) Scale 1:2,750,000
10. Atlas and Gazetteer of the Near Side of the Moon, MSC, 1971
11. Apollo 15 Photographic Standards Documentation, MSC Technical Report TTR 71-3
12. Apollo 15 SIM Bay Photographic Equipment and Mission Summary, Mapping Sciences Branch, MSC, August, 1971
13. Lunar Equatorial Zone Mosaic (LEMC), Scale 1:2,500,000
14. Apollo 17 Photograph Evaluation (APE) Data.

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1								0001-0042 DARK
43								0043-0044 GRAY SCALE
45								0045-0046 DARK
47								0047-0048 GRAY SCALE
49								0049-0093 DARK
94								0094-0096 GRAY SCALE
97								DARK
98								0098-0100 GRAY SCALE
101								0101-0162 DARK
163						01		0163-0166 TERMINATOR, PARTLY ILLUMINATED
167	20.1 S	151.1 W	VERT		129	01	-1	WILSING
168	20.0 S	152.4 W	VERT		128	01	0	WILSING
169	19.9 S	153.7 W	VERT		126	01	1	WILSING
170	19.7 S	155.0 W	VERT		125	01	2	WILSING
171	19.5 S	156.2 W	VERT		123	01	4	WILSING
172	19.3 S	157.3 W	VERT		121	01	5	WILSING
173	19.1 S	158.8 W	VERT		120	01	6	WILSING, W RIM
174	19.0 S	160.0 W	VERT		118	01	7	WILSING, W OF
175	18.9 S	161.5 W	VERT		117	01	9	MOHOROVICIC, E RIM
176	18.5 S	162.9 W	VERT		116	01	10	MOHOROVICIC
177	18.3 S	164.2 W	VERT		114	01	11	MOHOROVICIC
178	18.1 S	165.7 W	VERT		113	01	13	MOHOROVICIC
179	17.9 S	166.9 W	VERT		112	01	14	MOHOROVICIC
180	17.7 S	168.4 W	VERT		110	01	15	MOHOROVICIC, W RIM, MCKELLAR
181	17.5 S	169.6 W	VERT		109	01	16	MCKELLAR
182	17.3 S	170.7 W	VERT		108	01	18	MCKELLAR
183	17.1 S	172.0 W	VERT		107	01	19	MCKELLAR
184	16.7 S	173.4 W	VERT		106	01	20	MCKELLAR
185	16.5 S	174.8 W	VERT		105	01	22	MCKELLAR, W OF
186	16.2 S	176.3 W	VERT		104	01	23	RACAH, E OF
187	16.0 S	177.5 W	VERT		103	01	24	RACAH
188	15.6 S	178.9 W	VERT		102	01	25	RACAH
189	15.3 S	179.7 E	VERT		101	02	27	RACAH
190	15.1 S	178.4 E	VERT		100	02	28	RACAH
191	14.8 S	177.1 E	VERT		99	02	29	RACAH, AITKEN, NE WALL
192	14.3 S	175.8 E	VERT		99	02	31	RACAH, AITKEN, NE WALL
193	14.0 S	174.5 E	VERT		98	02	32	AITKEN
194	13.7 S	173.3 E	VERT		98	02	33	AITKEN
195	13.3 S	171.8 E	VERT		97	02	35	AITKEN, NW WALL
196	12.8 S	170.5 E	VERT		96	02	36	AITKEN, NW WALL, HEAVISIDE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60W
45W
30W
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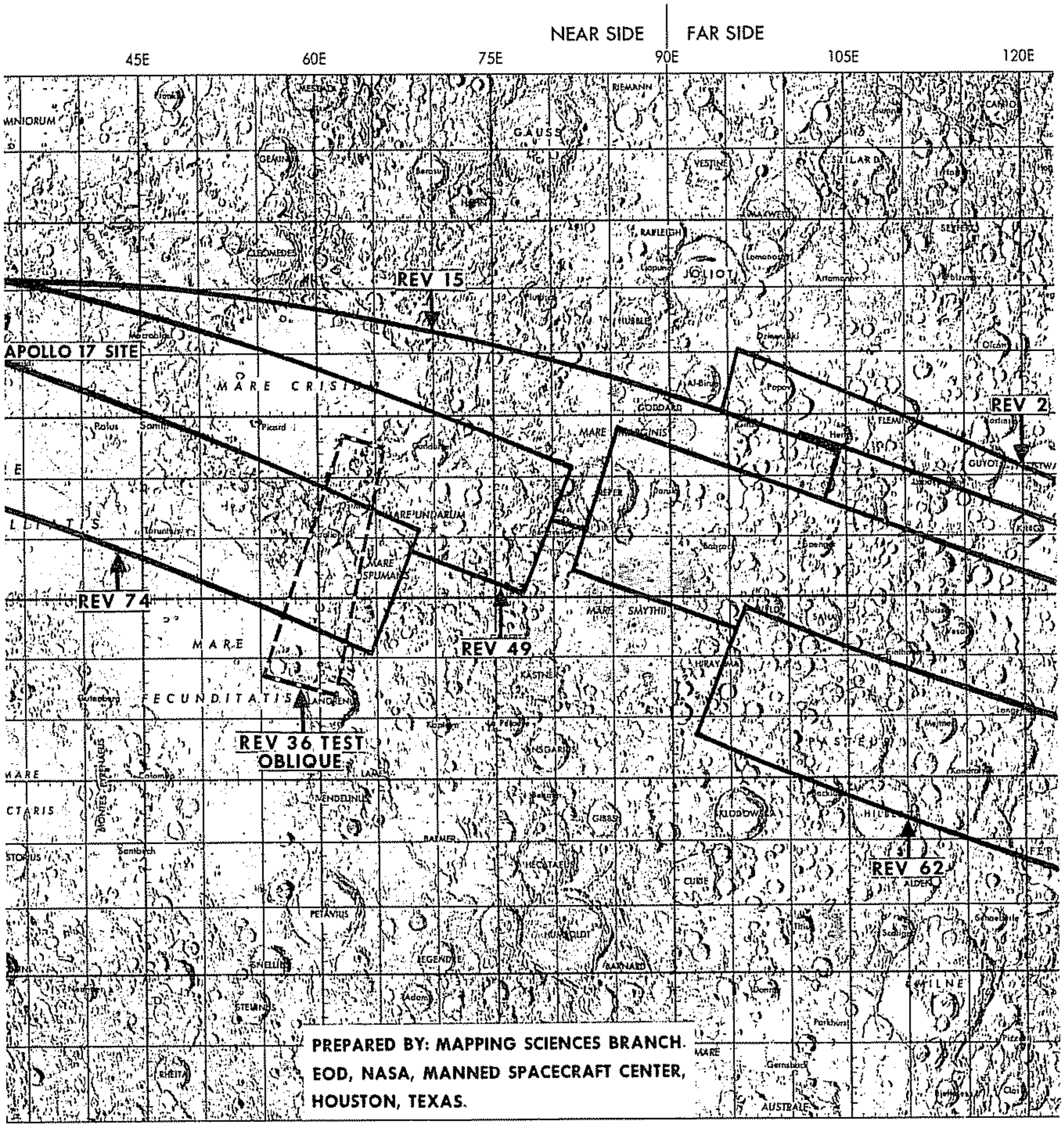
2
TERMINATORS
MARE SERENITATIS
IMBRIUM
REV 74
REV 62
MONO
MARE VAPORUM
SINUS AESTUUM
MARE COGNITUM
MARE NUBIUM
MARE HUMORUM
OCEANUS PROCELLARUM
COPERNICUS
KEPLER
ARISTARCHUS
EULER
PYTHEAS
HERODOTUS
SCHIAPARELLI
LETRONNE
GASSENDI
MESSIER
HYGINUS
TRIESNECKER
ALPHONSUS
PTOLEMAEUS
ARZACHEL
ALBATEGNIUS
HIPPARCHUS
CYRILLUS
CATHARINA
FLAMSTEED
MONTES RIPHAEUS
RUPES RECTA
PALUS PUTREDINIS
PALUS EPIDEMIARUM
COVERAGE SHOWN IS BASED ON CAMERA ON/OFF TIMES FROM TELEMETRY, NOT ON ANALYSIS OF PHOTOGRAPHS. ONLY SUNLIT COVERAGE IS INDICATED. AREA PHOTOGRAPHED AFTER TRANSEARTH INJECTION IS NOT SHOWN.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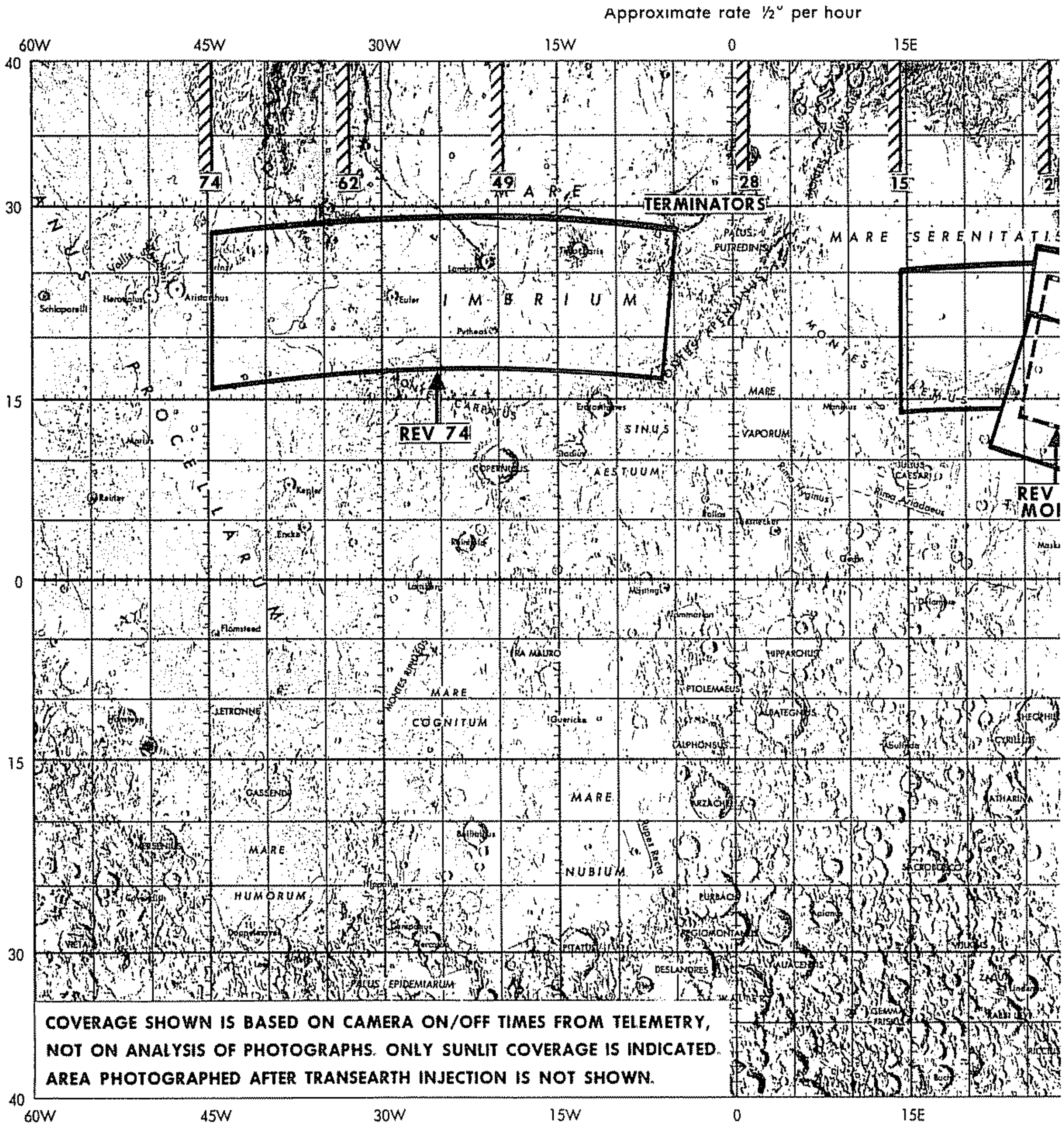
FAR SIDE
45E
60E
75E
90E
105E
120E
REV 15
REV 2
APOLLO 17 SITE
MARE CRISIUM
MARE UNDARUM
MARE SPUMANS
MARE MARGINIS
MARE SMYTHII
MARE FECUNDITATIS
REV 74
REV 49
REV 36 TEST OBLIQUE
REV 62
GAUSS
JOLIOT
PASTEUR
HILBERT
PETAVIUS
HUMBOLDT
PREPARED BY: MAPPING SCIENCES BRANCH.
EOD, NASA, MANNED SPACECRAFT CENTER,
HOUSTON, TEXAS.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60W
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TERMINATORS
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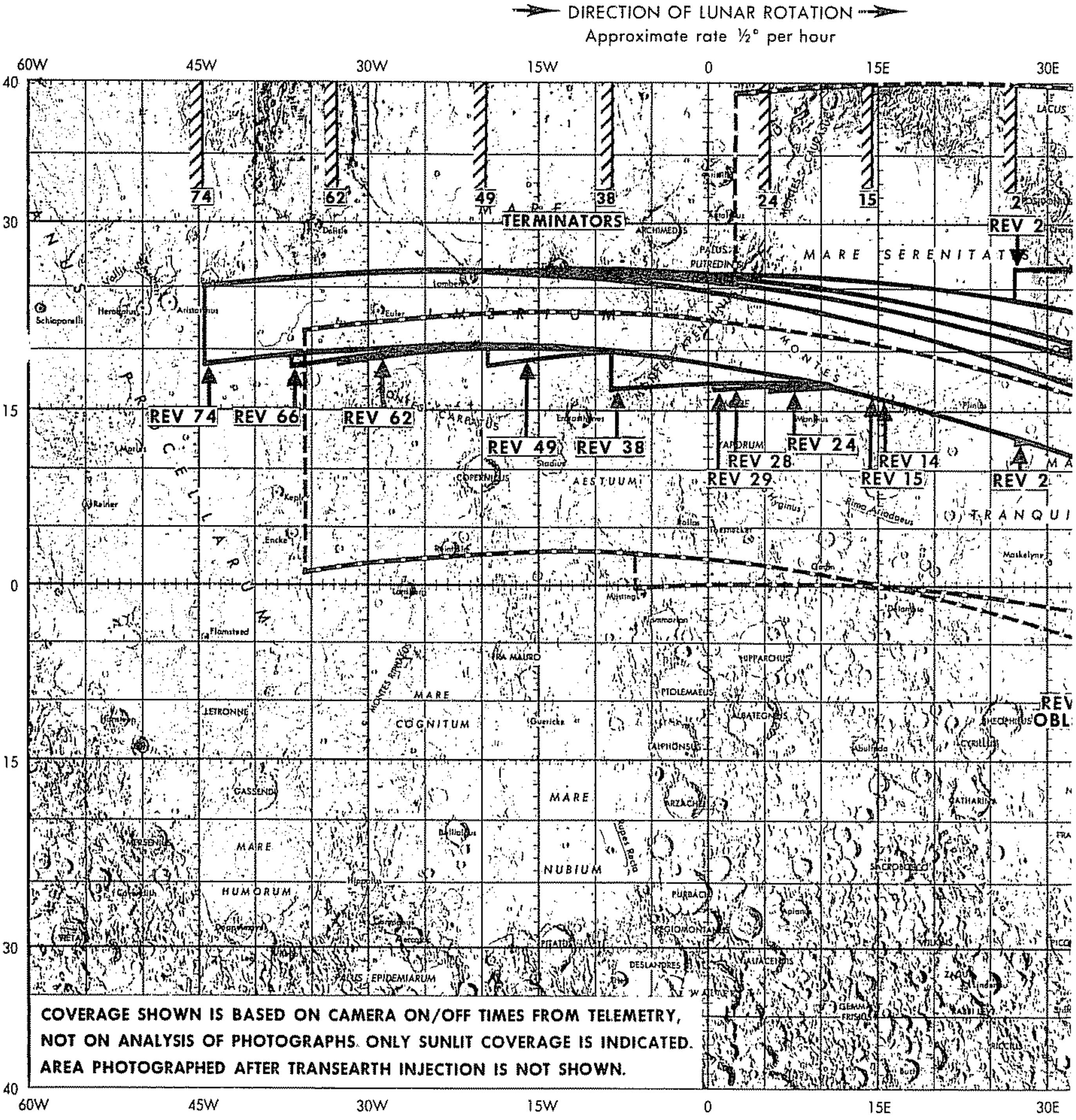
IMBRIUM
MARE SERENITATIS
MONTES
SINUS AESTUUM
MARE VAPORUM
REV 74
COPERNICUS
PROCELLARUM
Schiaparelli
Herodotus
Aristarchus
Euler
Marius
Kepler
Reiner
Encke
Flamsteed
LETRONNE
GASSENDI
MARE HUMORUM
MARE COGNITUM
MARE NUBIUM
PTOLEMAEUS
ALPHONSUS
ALPATEGNIUS
HIPPARCHUS
ARZACHEL
PURBACH
REGIOMONTANUS
PITATUS
DESLANDRES
WALTER
PALUS EPIDEMIARUM
PALUS PUTREDINIS
JULIUS CAESAR
SACROBOSCO
CATHARINA
CYRILLUS
Rupes Recta
MONTES RIPHAEUS
Rima Ariadaeus
Lansberg
Reinhold
Eratosthenes
Stadius
Mosting
Gambart
COVERAGE SHOWN IS BASED ON CAMERA ON/OFF TIMES FROM TELEMETRY, NOT ON ANALYSIS OF PHOTOGRAPHS. ONLY SUNLIT COVERAGE IS INDICATED. AREA PHOTOGRAPHED AFTER TRANSEARTH INJECTION IS NOT SHOWN.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Approximate rate ½° per hour
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45W
30W
15W
0
15E
30E
40
30
15
0
15
30
40
TERMINATORS
74
62
49
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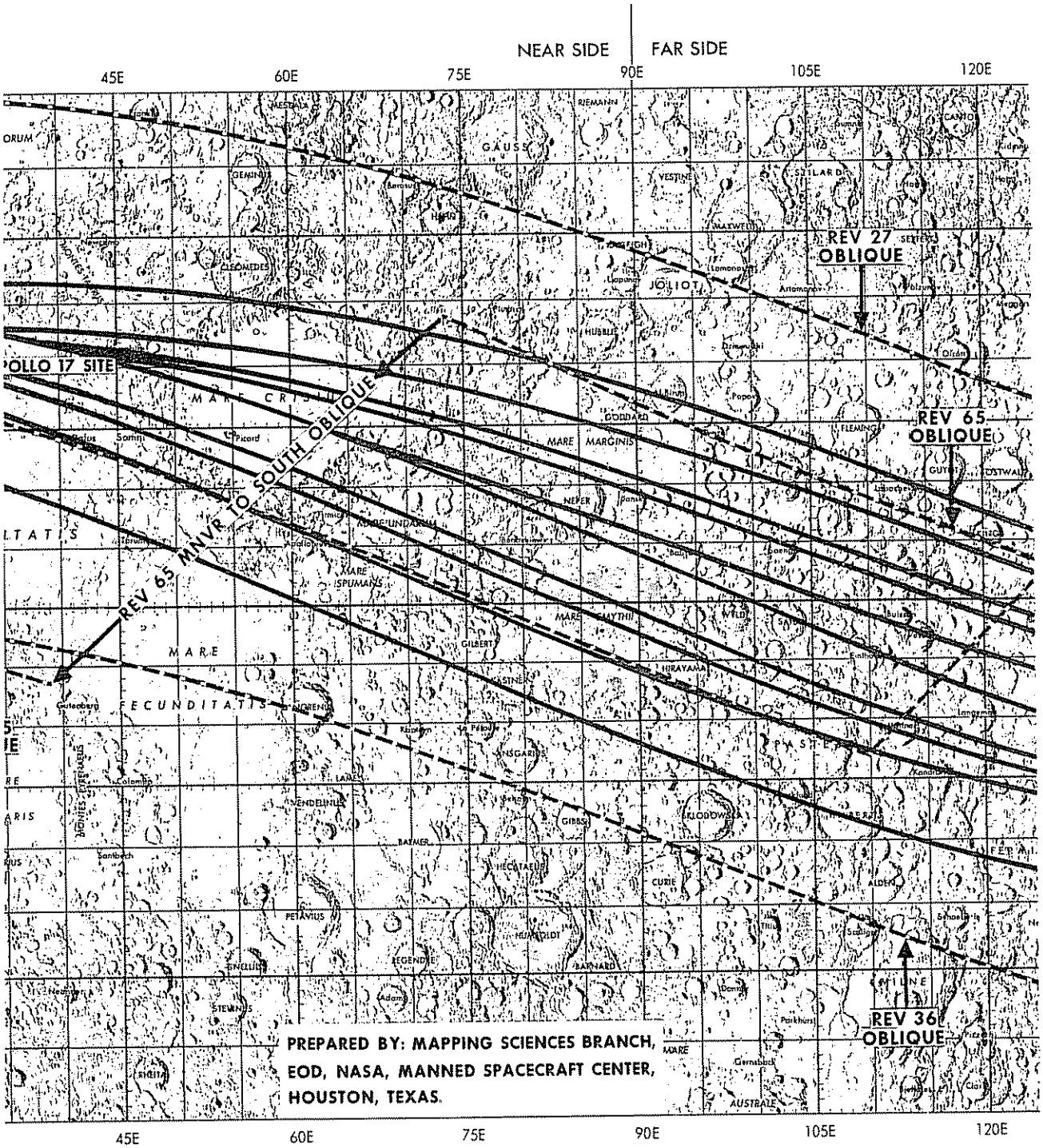
24
15
2
REV 74
REV 66
REV 62
REV 49
REV 38
REV 29
REV 28
REV 24
REV 15
REV 14
REV 2
MARE SERENITATIS
AESTUUM
MARE COGNITUM
MARE NUBIUM
MARE HUMORUM
COPERNICUS
ARCHIMEDES
PTOLEMAEUS
ALPHONSUS
ARZACHEL
GASSENDI
LETRONNE
Flamsteed
Kepler
Encke
Aristarchus
Herodotus
Schiaparelli
Euler
Lambert
Stadius
Marius
Reiner
Landsberg
Mösting
Hipparchus
Albategnius
Theophilus
Cyrillus
Catharina
Maskelyne
Delambre
Rima Ariadaeus
Bullialdus
Pitatus
Purbach
Regiomontanus
Deslandres
Walter
Sacrobosco
Apianus
Villarcus
Riccius
Zagut
Lindenau
Rabbi Levi
Gemma Frisius
Tycho
Hippalus
Mersenius
Vitello
Palus Epidemiarum
Palus Putredinis
Montes Riphaeus
COVERAGE SHOWN IS BASED ON CAMERA ON/OFF TIMES FROM TELEMETRY,
NOT ON ANALYSIS OF PHOTOGRAPHS. ONLY SUNLIT COVERAGE IS INDICATED.
AREA PHOTOGRAPHED AFTER TRANSEARTH INJECTION IS NOT SHOWN.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REV 65 OBLIQUE
REV 36 OBLIQUE
APOLLO 17 SITE
REV 65 MNVR TO SOUTH OBLIQUE
MARE CRISIUM
MARE MARGINIS
MARE FECUNDITATIS
MARE SMYTHII
MARE SPUMANS
MARE
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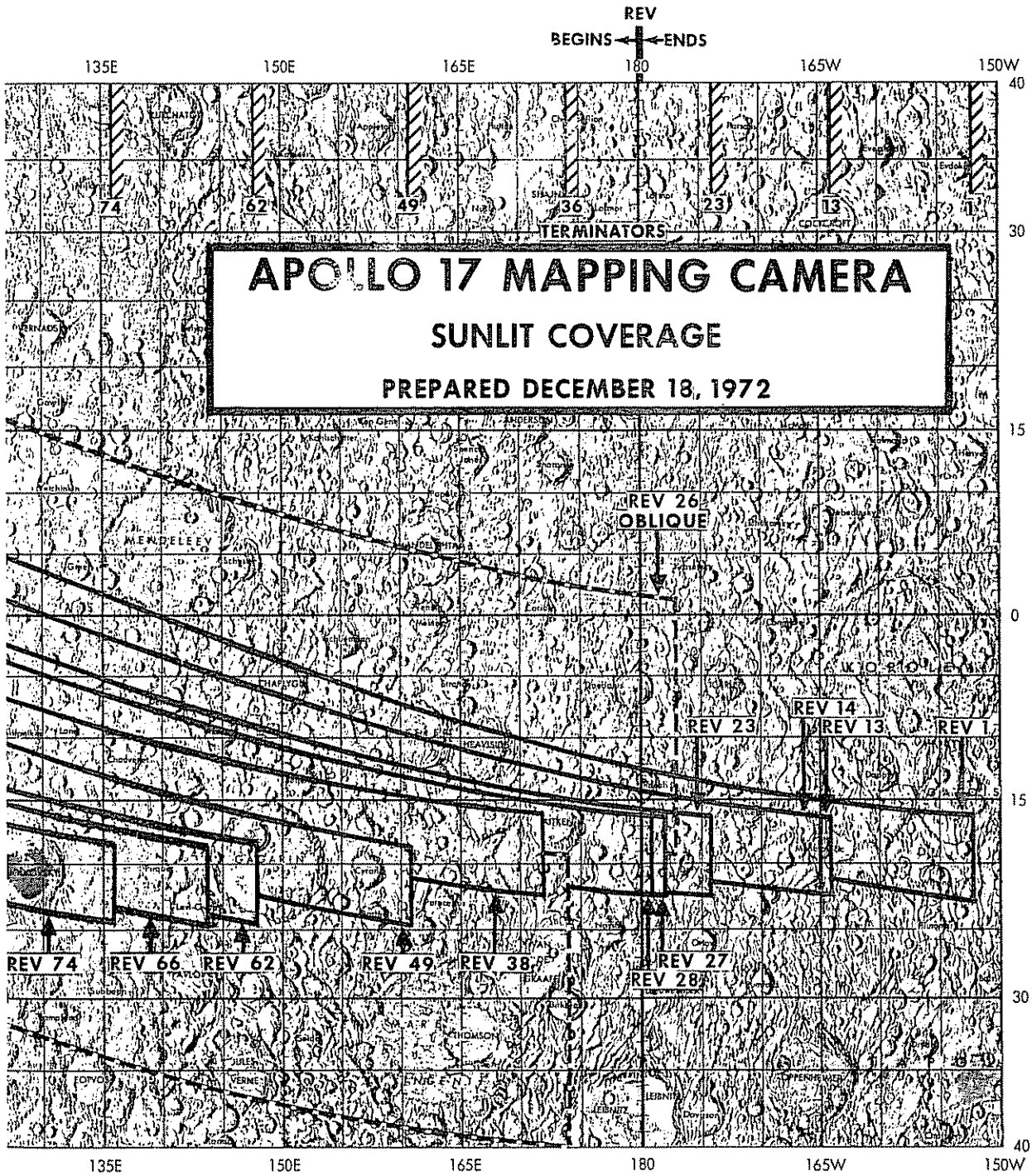

FIGURE 1. Apollo 17 Mapping Camera Coverage

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
197	12.5 S	169.3 E	VERT		96	02	37	HEAVISIDE
198	12.3 S	167.9 E	VERT		96	02	39	HEAVISIDE
199	11.8 S	166.6 E	VERT		95	02	40	HEAVISIDE
200	11.5 S	165.4 E	VERT		95	02	41	HEAVISIDE, KEELER
201	11.2 S	164.1 E	VERT		95	02	43	HEAVISIDE, KEELER
202	10.8 S	162.8 E	VERT		95	02	44	HEAVISIDE, KEELER
203	10.3 S	161.4 E	VERT		94	02	45	KEELER
204	9.8 S	160.1 E	VERT		94	02	46	KEELER
205	9.3 S	158.5 E	VERT		94	02	48	KEELER
206	9.0 S	157.4 E	VERT		94	02	49	KEELER, W RIM
207	8.6 S	156.1 E	VERT		94	02	50	KEELER, W DF
208	8.3 S	154.9 E	VERT		94	02	52	CHAPLYGIN, E DF
209	7.9 S	153.7 E	VERT		94	02	53	CHAPLYGIN, E WALL
210	7.6 S	152.4 E	VERT		95	02	54	CHAPLYGIN
211	7.0 S	151.1 E	VERT		95	02	56	CHAPLYGIN
212	6.6 S	149.9 E	VERT		95	02	57	CHAPLYGIN
213	6.3 S	148.5 E	VERT		96	02	58	CHAPLYGIN
214	5.6 S	147.3 E	VERT		96	02	60	CHAPLYGIN
215	5.2 S	146.0 E	VERT		96	02	61	CHAPLYGIN, W RIM, VIL'EV
216	4.6 S	144.8 E	VERT		97	02	62	VIL'EV
217	4.1 S	143.5 E	VERT		98	02	63	VIL'EV, PANNEKOEK, E RIM
218	3.6 S	142.3 E	VERT		98	02	65	PANNEKOEK
219	3.3 S	141.4 E	VERT		99	02	66	PANNEKOEK
220	2.9 S	139.9 E	VERT		100	02	67	PANNEKOEK, GLASENAP
221	2.2 S	138.6 E	VERT		100	02	69	PANNEKOEK, GLASENAP
222	1.7 S	137.1 E	VERT		101	02	70	GLASENAP
223	1.2 S	136.0 E	VERT		102	02	71	GLASENAP
224	.8 S	134.7 E	VERT		103	02	72	GLASENAP, W RIM
225	.4 S	133.4 E	VERT		104	02	74	GLASENAP, W DF
226	.0	132.4 E	VERT		105	02	75	GREGORY, E DF
227	.4 N	131.2 E	VERT		106	02	76	GREGORY, E DF
228	.9 N	129.9 E	VERT		107	02	77	GREGORY
229	1.4 N	128.6 E	VERT		108	02	78	GREGORY
230	1.9 N	127.3 E	VERT		109	02	79	GREGORY
231	2.3 N	125.9 E	VERT		110	02	81	GREGORY
232	2.8 N	124.8 E	VERT		112	02	82	GREGORY, W RIM
233	3.2 N	123.5 E	VERT		113	02	83	KING, E RIM
234	3.5 N	122.5 E	VERT		114	02	83	KING
235	3.8 N	121.3 E	VERT		116	02	84	KING
236	4.4 N	120.1 E	VERT		117	02	84	KING

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
406	10.9 N	87.9 E	VERT		125	14	69	JANSKY, NEPER, BORDER SEA
407	11.3 N	86.7 E	VERT		125	14	68	NEPER, BORDER SEA
408	11.8 N	85.3 E	VERT		125	14	66	NEPER, BORDER SEA
409	12.1 N	84.0 E	VERT		125	14	65	NEPER, BORDER SEA
410	12.4 N	82.7 E	VERT		124	14	64	NEPER, BORDER SEA
411	12.8 N	81.3 E	VERT		124	14	62	NEPER, NW RIM, HANSEN B
412	13.3 N	79.9 E	VERT		124	14	61	HANSEN B
413	13.6 N	78.6 E	VERT		124	14	60	HANSEN B
414	14.0 N	77.2 E	VERT		124	14	58	HANSEN B
415	14.4 N	75.9 E	VERT		123	14	57	HANSEN, ALHAZEN A
416	14.7 N	74.3 E	VERT		123	14	55	HANSEN, ALHAZEN
417	15.0 N	73.0 E	VERT		123	14	54	HANSEN, ALHAZEN
418	15.3 N	71.7 E	VERT		123	14	53	HANSEN, ALHAZEN, CONDORCET
419	15.6 N	70.3 E	VERT		122	14	52	HANSEN, ALHAZEN, CONDORCET
420	15.8 N	68.8 E	VERT		122	14	50	ALHAZEN, CONDORCET
421	16.1 N	67.6 E	VERT		122	14	49	CONDORCET W, Y
422	16.4 N	66.3 E	VERT		122	14	48	CONDORCET W, CRISES, SEA OF
423	16.8 N	65.3 E	VERT		121	14	47	CONDORCET W, CRISES, SEA OF
424	17.2 N	63.7 E	VERT		121	14	45	CONDORCET W, W OF, CRISES, SEA OF
425	17.5 N	62.2 E	VERT		121	14	44	CONDORCET W, W OF, CRISES, SEA OF
426	17.8 N	60.6 E	VERT		120	14	42	PEIRCE, E OF, CRISES, SEA OF
427	18.0 N	59.0 E	VERT		120	14	41	PEIRCE, E OF, CRISES, SEA OF
428	18.1 N	57.5 E	VERT		120	14	39	PEIRCE, E OF, CRISES, SEA OF
429	18.3 N	56.1 E	VERT		119	14	38	PEIRCE, CRISES, SEA OF
430	18.4 N	54.8 E	VERT		119	14	37	PEIRCE
431	18.5 N	53.4 E	VERT		119	14	35	PEIRCE
432	18.8 N	51.8 E	VERT		118	14	34	PEIRCE
433	19.2 N	50.3 E	VERT		118	14	32	PEIRCE, TISSERAND
434	19.3 N	48.8 E	VERT		118	14	31	TISSERAND, MACROBIUS, PROCLUS
435	19.4 N	47.4 E	VERT		117	14	30	TISSERAND, MACROBIUS, PROCLUS
436	19.5 N	45.9 E	VERT		117	14	28	TISSERAND, MACROBIUS, PROCLUS
437	19.6 N	44.5 E	VERT		117	14	27	MACROBIUS, PROCLUS
438	19.7 N	43.0 E	VERT		116	14	25	MACROBIUS, A, B
439	19.8 N	41.6 E	VERT		116	14	24	MACROBIUS A, B
440	19.8 N	40.2 E	VERT		116	14	23	MACROBIUS A, B
441	19.8 N	38.6 E	VERT		115	14	21	MACROBIUS A, B
442	20.0 N	37.1 E	VERT		115	14	20	MARALDI
443	20.1 N	35.9 E	VERT		115	14	19	MARALDI
444	20.2 N	34.6 E	VERT		114	14	18	MARALDI, VITRUVIUS
445	20.3 N	32.8 E	VERT		114	14	16	APOLLO 17 LANDING SITE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
446	20.2 N	31.3 E	VERT		114	14	14	APOLLO 17 LANDING SITE
447	20.0 N	29.9 E	VERT		113	14	13	APOLLO 17 LANDING SITE
448	20.0 N	28.4 E	VERT		113	14	12	APOLLO 17 LANDING SITE
449	20.0 N	26.9 E	VERT		112	14	10	VITRUVIUS E, DAWES
450	19.9 N	25.6 E	VERT		112	14	9	DAWES
451	19.5 N	24.1 E	VERT		112	14	8	DAWES, PLINIUS RILLES
452	19.4 N	22.9 E	VERT		111	14	7	PLINIUS RILLES, DESEILLIGNY
453	19.2 N	21.8 E	VERT		111	14	6	PLINIUS RILLES, DESEILLIGNY
454	19.4 N	20.2 E	VERT		111	14	4	DESEILLIGNY, BESSEL
455	19.4 N	18.1 E	VERT		110	14	2	BESSEL, MENELAUS RILLES
456	19.4 N	16.5 E	VERT		110	14	1	BESSEL, MENELAUS RILLES
457	19.4 N	14.8 E	VERT		110	14	0	BESSEL, MENELAUS RILLES
458						14		458-460 TERMINATOR, PARTLY ILLUMINATED
461								461-463 DARK
464	15.6 S	163.3 W	40	8	114	14	-2	MOHOROVICIC
465	16.7 S	165.2 W	40	8	114	14	0	MOHOROVICIC
466	16.8 S	167.0 W	35	8	114	14	1	MOHOROVICIC
467	17.0 S	168.3 W	29	9	115	14	3	MOHOROVICIC, MCKELLAR
468	16.8 S	169.0 W	25	9	115	14	4	MCKELLAR
469	17.7 S	170.4 W	20	10	115	14	5	MCKELLAR
470	18.0 S	172.0 W	15	10	116	14	7	MCKELLAR
471	18.1 S	173.5 W	10	9	116	14	8	MCKELLAR, DE VRIES
472	18.1 S	174.9 W	6	6	116	14	9	DE VRIES
473	18.3 S	176.2 W	VERT		117	14	10	DE VRIES
474	18.2 S	177.7 W	VERT		117	14	12	DE VRIES
475	17.9 S	179.1 W	VERT		117	14	13	DE VRIES
476	17.7 S	179.4 E	VERT		118	15	15	BERGSTRAND
477	17.5 S	178.0 E	VERT		118	15	16	BERGSTRAND, AITKEN, E WALL
478	17.3 S	176.7 E	VERT		119	15	17	BERGSTRAND, AITKEN
479	17.1 S	175.7 E	VERT		118	15	18	BERGSTRAND, AITKEN
480	16.8 S	174.4 E	VERT		119	15	19	AITKEN
481	16.5 S	173.0 E	VERT		119	15	21	AITKEN
482	16.2 S	171.7 E	VERT		119	15	22	AITKEN
483	15.9 S	170.5 E	VERT		120	15	23	AITKEN
484	15.7 S	169.3 E	VERT		120	15	24	AITKEN
485	15.4 S	168.0 E	VERT		120	15	26	HEAVISIDE, S WALL
486	15.1 S	166.7 E	VERT		121	15	27	HEAVISIDE, S WALL
487	14.8 S	165.4 E	VERT		121	15	28	HEAVISIDE, S WALL
488	14.5 S	164.3 E	VERT		121	15	29	HEAVISIDE, KEELER, SE RIM
489	14.2 S	162.9 E	VERT		121	15	31	HEAVISIDE, KEELER, SE RIM

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
490	13.9 S	161.6 E	VERT		122	15	32	KEELER, GEIGER
491	13.6 S	160.4 E	VERT		122	15	33	KEELER, GEIGER
492	13.2 S	159.2 E	VERT		122	15	34	GEIGER
493	12.9 S	157.9 E	VERT		122	15	36	GEIGER
494	12.6 S	156.6 E	VERT		123	15	37	GEIGER
495	12.3 S	155.3 E	VERT		123	15	38	BEIJERINCK
496	11.9 S	154.2 E	VERT		123	15	40	BEIJERINCK
497	11.5 S	152.7 E	VERT		123	15	41	BEIJERINCK
498	11.0 S	151.6 E	VERT		124	15	42	BEIJERINCK
499	10.7 S	150.5 E	VERT		124	15	43	BEIJERINCK
500	10.3 S	149.4 E	VERT		124	15	45	BEIJERINCK, W RIM
501	10.0 S	148.2 E	VERT		124	15	46	MARCONI
502	9.6 S	146.9 E	VERT		124	15	47	MARCONI
503	9.2 S	145.7 E	VERT		124	15	48	MARCONI
504	8.9 S	144.5 E	VERT		124	15	49	MARCONI
505	8.5 S	143.3 E	VERT		124	15	51	MARCONI, DELLINGER
506	8.1 S	142.0 E	VERT		124	15	52	DELLINGER
507	7.6 S	140.7 E	VERT		124	15	53	DELLINGER
508	7.3 S	139.5 E	VERT		124	15	55	DELLINGER
509	6.8 S	138.3 E	VERT		124	15	56	DELLINGER
510	6.4 S	137.2 E	VERT		124	15	57	DELLINGER
511	5.8 S	135.8 E	VERT		124	15	58	DELLINGER, W OF
512	5.4 S	134.6 E	VERT		124	15	60	DELLINGER, W OF
513	5.0 S	133.5 E	VERT		124	15	61	PRAGER
514	4.6 S	132.5 E	VERT		124	15	62	PRAGER, LOVE
515	4.2 S	131.2 E	VERT		124	15	63	PRAGER, LOVE
516	3.7 S	130.0 E	VERT		124	15	64	PRAGER, LOVE
517	3.3 S	128.8 E	VERT		124	15	66	PRAGER, LOVE
518	2.9 S	127.5 E	VERT		124	15	67	PRAGER, LOVE, BECVAR
519	2.5 S	126.4 E	VERT		124	15	68	LOVE, NW RIM, BECVAR
520	1.9 S	125.2 E	VERT		124	15	69	BECVAR
521	1.6 S	124.1 E	VERT		124	15	70	BECVAR
522	1.2 S	122.9 E	VERT		124	15	72	BECVAR
523	.6 S	121.5 E	VERT		124	15	73	BECVAR
524	.2 S	120.5 E	VERT		124	15	74	ABUL WAFA, E OF
525	.2 N	119.4 E	VERT		124	15	76	ABUL WAFA
526	.8 N	117.8 E	VERT		124	15	77	ABUL WAFA
527	1.2 N	116.3 E	VERT		124	15	78	ABUL WAFA
528	1.5 N	115.6 E	VERT		124	15	79	ABUL WAFA, FIRSOV, E RIM
529	1.4 N	114.5 E	VERT		124	15	80	ABUL WAFA, FIRSOV, BUISSON

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
530	1.9 N	113.6 E	VERT		124	15	81	ABUL WAFA, FIRSOV, BUISSON
531	2.4 N	112.3 E	VERT		124	15	82	FIRSOV, BUISSON
532	2.8 N	111.1 E	VERT		124	15	83	FIRSOV
533	3.2 N	109.7 E	VERT		124	15	84	FIRSOV
534	3.6 N	108.5 E	VERT		124	15	84	FIRSOV, W RIM
535	4.0 N	107.6 E	VERT		124	15	85	SAENGER, E OF
536	4.3 N	106.5 E	VERT		124	15	85	SAENGER
537	4.7 N	105.3 E	VERT		124	15	84	SAENGER
538	5.2 N	104.0 E	VERT		124	15	84	SAENGER
539	5.6 N	102.9 E	VERT		124	15	83	SAENGER
540	6.0 N	101.7 E	VERT		124	15	83	SAENGER, ERRO
541	6.5 N	100.2 E	VERT		124	15	82	SAENGER, ERRO
542	6.8 N	99.2 E	VERT		124	15	81	SAENGER, W RIM, ERRO
543	7.3 N	98.1 E	VERT		126	15	80	ERRO, DREYER
544	7.6 N	96.9 E	VERT		126	15	79	ERRO, DREYER
545	8.0 N	95.7 E	VERT		126	15	77	ERRO, DREYER
546	8.5 N	94.5 E	VERT		126	15	77	DREYER
547	8.8 N	93.3 E	VERT		126	15	76	DREYER, JANSKY
548	9.1 N	92.3 E	VERT		126	15	74	JANSKY
549	9.5 N	91.2 E	VERT		125	15	73	JANSKY
550	10.1 N	89.9 E	VERT		125	15	72	JANSKY, NEPER
551	10.6 N	88.6 E	VERT		125	15	71	JANSKY, NEPER
552	10.9 N	87.5 E	VERT		125	15	69	JANSKY, NEPER
553	11.3 N	86.4 E	VERT		125	15	68	NEPER, BORDER SEA
554	11.7 N	85.1 E	VERT		125	15	67	NEPER, BORDER SEA
555	12.1 N	83.9 E	VERT		124	15	66	NEPER, BORDER SEA
556	12.4 N	82.5 E	VERT		124	15	65	NEPER, HANSEN B, BORDER SEA
557	12.8 N	81.2 E	VERT		124	15	63	HANSEN B, BORDER SEA
558	13.1 N	80.0 E	VERT		124	15	62	HANSEN B, BORDER SEA
559	13.3 N	78.8 E	VERT		124	15	61	HANSEN B
560	13.7 N	77.6 E	VERT		124	15	60	HANSEN B
561	14.0 N	76.4 E	VERT		123	15	59	HANSEN A, ALHAZEN A
562	14.4 N	75.0 E	VERT		123	15	57	HANSEN, ALHAZEN
563	14.7 N	73.8 E	VERT		123	15	56	HANSEN, ALHAZEN
564	15.0 N	72.6 E	VERT		123	15	55	HANSEN, ALHAZEN, SYNDORFET
565	15.2 N	71.6 E	VERT		122	15	54	HANSEN, ALHAZEN, SYNDORFET
566	15.5 N	70.3 E	VERT		122	15	53	HANSEN, ALHAZEN, SYNDORFET
567	15.8 N	69.1 E	VERT		122	15	51	ALHAZEN, SYNDORFET
568	16.1 N	67.8 E	VERT		122	15	50	SYNDORFET, CRISIS, SEA OF
569	16.4 N	66.5 E	VERT		121	15	49	SYNDORFET W, CRISIS, SEA OF

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
570	16.6 N	65.5 E	VERT		121	15	48	CONDORCET W, CRISES, SEA OF
571	17.0 N	64.1 E	VERT		121	15	46	CRISES, SEA OF
572	17.3 N	63.1 E	VERT		120	15	45	CRISES, SEA OF
573	17.7 N	61.3 E	VERT		120	15	44	CRISES, SEA OF
574	17.9 N	59.9 E	VERT		120	15	42	CRISES, SEA OF
575	18.1 N	58.7 E	VERT		120	15	41	CRISES, SEA OF
576	18.2 N	57.3 E	VERT		119	15	40	CRISES, SEA OF
577	18.3 N	55.9 E	VERT		119	15	39	PEIRCE, CRISES, SEA OF
578	18.3 N	54.5 E	VERT		119	15	37	PEIRCE, CRISES, SEA OF
579	18.4 N	53.2 E	VERT		118	15	36	PEIRCE, CRISES, SEA OF
580	18.5 N	52.0 E	VERT		118	15	35	PEIRCE, CRISES, SEA OF
581	18.7 N	50.4 E	VERT		118	15	33	PEIRCE, TISSERAND
582	19.0 N	49.4 E	VERT		117	15	32	TISSERAND, MACROBIUS, PROCLUS
583	19.5 N	47.8 E	VERT		117	15	31	TISSERAND, MACROBIUS, PROCLUS
584	19.5 N	46.4 E	VERT		117	15	30	TISSERAND, MACROBIUS, PROCLUS
585	19.7 N	45.1 E	VERT		116	15	28	TISSERAND, MACROBIUS, PROCLUS
586	19.7 N	43.6 E	VERT		116	15	27	MACROBIUS
587	19.7 N	42.2 E	VERT		116	15	25	MACROBIUS, A, B
588	19.7 N	40.9 E	VERT		116	15	24	MACROBIUS A, B
589	19.7 N	39.6 E	VERT		115	15	23	MACROBIUS A, B
590	19.8 N	38.1 E	VERT		115	15	22	MACROBIUS A, B
591	19.8 N	37.1 E	VERT		115	15	21	MARALDI
592	19.9 N	35.7 E	VERT		114	15	20	MARALDI
593	19.9 N	34.3 E	VERT		114	15	18	MARALDI, VITRUVIUS
594	19.9 N	32.8 E	VERT		114	15	17	APOLLO 17 LANDING SITE
595	20.0 N	31.4 E	VERT		113	15	16	APOLLO 17 LANDING SITE
596	19.9 N	30.3 E	VERT		113	15	14	APOLLO 17 LANDING SITE
597	19.9 N	28.9 E	VERT		113	15	13	APOLLO 17 LANDING SITE
598	19.9 N	27.5 E	VERT		112	15	12	VITRUVIUS E, DAWES
599	19.9 N	26.1 E	VERT		112	15	11	DAWES, PLINIUS RILLES
600	19.8 N	25.0 E	VERT		112	15	10	DAWES, PLINIUS RILLES
601	19.8 N	24.0 E	VERT		111	15	9	PLINIUS RILLES, DESEILLIGNY
602	19.5 N	22.5 E	VERT		111	15	7	PLINIUS RILLES, DESEILLIGNY
603	19.2 N	21.4 E	VERT		110	15	6	DESEILLIGNY, BESSEL
604	18.8 N	20.2 E	VERT		110	15	5	DESEILLIGNY, BESSEL
605	19.1 N	18.2 E	VERT		110	15	4	DESEILLIGNY, BESSEL
606	19.3 N	16.5 E	VERT		109	15	2	BESSEL, E
607	19.4 N	15.2 E	VERT		109	15	0	BESSEL, E
608					109	15		608-612 TERMINATOR, PARTLY ILLUMINATED
613								613-666 DARK

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
667						23		667-668 TERMINATOR, PARTLY ILLUMINATED
669	19.6 S	174.3 W	VERT		117	23	2	DE VRIES
670	19.4 S	175.6 W	VERT		117	23	3	DE VRIES
671	19.5 S	176.9 W	VERT		118	23	4	DE VRIES
672	19.5 S	178.1 W	VERT		118	23	5	DE VRIES
673	19.3 S	179.8 W	VERT		118	23	6	DE VRIES
674	19.1 S	179.1 E	VERT		119	24	7	BERGSTRAND
675	18.9 S	177.8 E	VERT		119	24	8	BERGSTRAND
676	18.8 S	176.4 E	VERT		119	24	10	BERGSTRAND, AITKEN
677	18.5 S	175.1 E	VERT		119	24	11	BERGSTRAND, AITKEN
678	18.3 S	173.7 E	VERT		120	24	12	BERGSTRAND, AITKEN
679	18.0 S	172.4 E	VERT		120	24	14	AITKEN
680	17.8 S	171.2 E	VERT		120	24	15	AITKEN
681	17.5 S	169.8 E	VERT		121	24	16	AITKEN
682	17.3 S	168.6 E	VERT		121	24	17	AITKEN
683	17.1 S	167.3 E	VERT		121	24	19	AITKEN, W RIM
684	16.8 S	165.9 E	VERT		121	24	20	AITKEN, W OF
685	16.6 S	164.8 E	VERT		122	24	21	AITKEN, W OF
686	16.4 S	163.2 E	VERT		122	24	22	GEIGER, E OF
687	16.2 S	162.0 E	VERT		122	24	24	GEIGER, E OF
688	15.9 S	160.8 E	VERT		122	24	25	GEIGER
689	15.6 S	159.5 E	VERT		123	24	26	GEIGER
690	15.3 S	158.1 E	VERT		123	24	27	GEIGER
691	15.0 S	157.0 E	VERT		123	24	29	GEIGER
692	14.6 S	155.7 E	VERT		123	24	30	GEIGER
693	14.3 S	154.5 E	VERT		124	24	31	BEIJERINCK
694	14.0 S	153.3 E	VERT		124	24	32	BEIJERINCK
695	13.6 S	152.1 E	VERT		124	24	33	BEIJERINCK
696	13.0 S	150.7 E	VERT		124	24	35	BEIJERINCK
697	12.9 S	149.4 E	VERT		124	24	36	BEIJERINCK
698	12.5 S	148.2 E	VERT		125	24	37	BEIJERINCK, MARCONI
699	12.2 S	146.9 E	VERT		125	24	39	MARCONI
700	11.9 S	145.7 E	VERT		125	24	40	MARCONI
701	11.6 S	144.4 E	VERT		125	24	41	MARCONI
702	11.2 S	143.0 E	VERT		125	24	43	MARCONI
703	10.8 S	142.0 E	VERT		126	24	44	MARCONI, PELLINER
704	10.5 S	140.7 E	VERT		126	24	45	PELLINER, CHAMPLET
705	10.1 S	139.5 E	VERT		126	24	46	PELLINER, CHAMPLET
706	9.8 S	138.2 E	VERT		126	24	47	PELLINER, CHAMPLET
707	9.5 S	137.1 E	VERT		126	24	49	PELLINER, CHAMPLET, TEN BRUGGENCATE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
708	9.1 S	136.0 E	VERT		126	24	50	CHAUVENET, TEN BRUGGENCATE
709	8.5 S	134.7 E	VERT		126	24	51	CHAUVENET, TEN BRUGGENCATE, LANE
710	8.0 S	133.4 E	VERT		126	24	52	TEN BRUGGENCATE, LANE
711	7.7 S	132.3 E	VERT		126	24	54	TEN BRUGGENCATE, LANE, LOVE
712	7.3 S	131.0 E	VERT		126	24	55	LANE, LOVE, PEREPELKIN
713	7.0 S	130.0 E	VERT		126	24	56	LOVE, PEREPELKIN, PRAGER
714	6.6 S	128.7 E	VERT		126	24	57	LOVE, PEREPELKIN, PRAGER
715	6.2 S	127.5 E	VERT		126	24	59	LOVE, PEREPELKIN, PRAGER
716	5.7 S	126.3 E	VERT		126	24	60	LOVE, PEREPELKIN
717	5.2 S	125.1 E	VERT		126	24	61	LOVE, BECVAR
718	4.8 S	123.9 E	VERT		126	24	62	BECVAR
719	4.4 S	122.7 E	VERT		126	24	63	BECVAR
720	4.0 S	121.5 E	VERT		126	24	65	BECVAR
721	3.4 S	120.4 E	VERT		126	24	66	BECVAR
722	3.0 S	119.2 E	VERT		126	24	67	VESALIUS, E RIM
723	2.4 S	117.9 E	VERT		126	24	69	VESALIUS, ABUL WAFA
724	2.1 S	116.7 E	VERT		126	24	70	VESALIUS, ABUL WAFA
725	1.7 S	115.5 E	VERT		126	24	71	VESALIUS, ABUL WAFA, BUISSON
726	1.4 S	114.3 E	VERT		126	24	72	VESALIUS, ABUL WAFA, BUISSON
727	1.3 S	113.2 E	VERT		126	24	73	VESALIUS, ABUL WAFA, BUISSON
728	.8 S	112.2 E	VERT		126	24	74	VESALIUS, ABUL WAFA, BUISSON
729	.5 S	110.9 E	VERT		126	24	76	BUISSON
730	.2 S	109.8 E	VERT		126	24	77	BUISSON
731	.4 N	108.5 E	VERT		126	24	78	BUISSON, W OF
732	.6 N	107.5 E	VERT		126	24	79	SAHA
733	1.0 N	106.3 E	VERT		126	24	80	SAHA
734	1.4 N	105.2 E	VERT		126	24	81	SAHA, SAENGER
735	2.0 N	103.9 E	VERT		126	24	82	SAHA, SAENGER
736	2.5 N	102.8 E	VERT		126	24	83	SAHA, SAENGER
737	2.9 N	101.6 E	VERT		126	24	84	SAHA, SAENGER
738	3.4 N	100.3 E	VERT		126	24	84	SAENGER, ERRO
739	3.8 N	99.2 E	VERT		126	24	85	SAENGER, ERRO
740	4.1 N	98.0 E	VERT		126	24	86	ERRO, BABCOCK
741	4.5 N	96.8 E	VERT		126	24	86	ERRO, BABCOCK
742	5.0 N	95.7 E	VERT		126	24	84	ERRO, BABCOCK
743	5.4 N	94.4 E	VERT		126	24	83	ERRO, BABCOCK
744	5.9 N	93.4 E	VERT		125	24	83	BABCOCK
745	6.2 N	92.2 E	VERT		125	24	82	BABCOCK, JANSKY
746	6.6 N	91.2 E	VERT		125	24	81	BABCOCK, JANSKY
747	6.9 N	90.2 E	VERT		125	24	80	JANSKY

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
748	7.5 N	88.8 E	VERT		125	24	79	JANSKY, NEPER
749	8.0 N	87.8 E	VERT		125	24	78	JANSKY, NEPER
750	8.6 N	86.5 E	VERT		124	24	76	JANSKY, NEPER
751	9.0 N	85.4 E	VERT		124	24	75	NEPER
752	9.5 N	84.2 E	VERT		124	24	74	NEPER
753	9.8 N	82.8 E	VERT		124	24	73	NEPER
754	10.2 N	81.5 E	VERT		124	24	72	NEPER
755	10.6 N	80.3 E	VERT		123	24	70	NEPER, W WALL
756	10.9 N	79.1 E	VERT		123	24	69	NEPER D, CONDORCET K
757	11.1 N	78.0 E	VERT		123	24	68	NEPER D, W RIM, CONDORCET K
758	11.5 N	76.8 E	VERT		123	24	67	CONDORCET K, HANSEN A
759	11.8 N	75.5 E	VERT		122	24	66	CONDORCET K, HANSEN
760	12.2 N	74.3 E	VERT		122	24	64	HANSEN
761	12.6 N	72.9 E	VERT		122	24	63	HANSEN, CONDORCET
762	13.0 N	71.7 E	VERT		122	24	62	HANSEN, CONDORCET
763	13.3 N	70.4 E	VERT		121	24	61	HANSEN, CONDORCET
764	13.7 N	69.4 E	VERT		121	24	60	HANSEN, CONDORCET
765	14.0 N	68.3 E	VERT		121	24	58	CONDORCET
766	14.5 N	67.1 E	VERT		121	24	57	CONDORCET
767	14.8 N	66.1 E	VERT		120	24	56	CONDORCET W, CRISES, SEA OF
768	15.2 N	64.9 E	VERT		120	24	55	PICARD X, CRISES, SEA OF
769	15.6 N	63.6 E	VERT		120	24	54	PICARD X, Y, CRISES, SEA OF
770	15.8 N	62.0 E	VERT		119	24	52	PICARD X, Y, CRISES, SEA OF
771	16.1 N	60.4 E	VERT		119	24	51	PICARD X, Y, CRISES, SEA OF
772	16.4 N	59.0 E	VERT		119	24	49	PICARD Y, CRISES, SEA OF
773	16.7 N	57.4 E	VERT		118	24	48	PICARD, CRISES, SEA OF
774	16.7 N	56.2 E	VERT		118	24	47	PICARD, PEIRCE
775	16.8 N	55.0 E	VERT		118	24	45	PICARD, PEIRCE, YERKES
776	17.0 N	53.9 E	VERT		117	24	44	PICARD, PEIRCE, YERKES
777	17.1 N	52.3 E	VERT		117	24	43	PICARD, PEIRCE, YERKES
778	17.3 N	51.1 E	VERT		117	24	42	PEIRCE, YERKES
779	17.5 N	50.0 E	VERT		117	24	41	YERKES, PROCLUS
780	17.9 N	48.7 E	VERT		116	24	39	PROCLUS
781	18.1 N	47.3 E	VERT		116	24	38	PROCLUS, MACROBIUS, S HALF
782	18.4 N	46.0 E	VERT		116	24	37	PROCLUS, MACROBIUS, S HALF
783	18.5 N	44.7 E	VERT		115	24	36	PROCLUS, MACROBIUS, S HALF
784	18.7 N	43.4 E	VERT		115	24	34	MACROBIUS, S HALF
785	18.8 N	42.0 E	VERT		114	24	33	MACROBIUS A, FRANZ
786	19.0 N	40.6 E	VERT		114	24	32	MACROBIUS A, FRANZ
787	19.1 N	39.3 E	VERT		114	24	30	MACROBIUS A, FRANZ

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
788	19.3 N	37.8 E	VERT		113	24	29	MACROBIUS A, MARALDI
789	19.4 N	36.6 E	VERT		113	24	28	MARALDI, VITRUVIUS A
790	19.6 N	35.4 E	VERT		113	24	27	MARALDI, VITRUVIUS A
791	19.7 N	34.1 E	VERT		112	24	26	MARALDI, VITRUVIUS
792	19.9 N	32.7 E	VERT		112	24	24	MARALDI, APOLLO 17 LANDING SITE
793	20.1 N	31.3 E	VERT		112	24	23	LITTROW, APOLLO 17 LANDING SITE
794	20.0 N	29.8 E	VERT		111	24	22	LITTROW, APOLLO 17 LANDING SITE
795	20.1 N	28.6 E	VERT		111	24	20	LITTROW, APOLLO 17 LANDING SITE
796	20.1 N	27.1 E	VERT		111	24	19	DAWES, PLINIUS RILLES
797	20.1 N	25.8 E	VERT		110	24	18	DAWES, PLINIUS RILLES
798	19.7 N	24.5 E	VERT		110	24	17	DAWES, PLINIUS RILLES
799	19.6 N	23.2 E	VERT		110	24	16	PLINIUS RILLES, DESEILLIGNY
800	19.5 N	22.4 E	VERT		109	24	15	PLINIUS RILLES, DESEILLIGNY
801	19.4 N	21.2 E	VERT		109	24	14	DESEILLIGNY, BESSEL
802	19.2 N	19.5 E	VERT		109	24	12	DESEILLIGNY, BESSEL
803	19.3 N	17.6 E	VERT		108	24	10	BESSEL, E
804	19.9 N	16.2 E	VERT		108	24	9	BESSEL, E
805	19.8 N	14.8 E	VERT		108	24	8	BESSEL, E
806	19.9 N	13.5 E	VERT		107	24	6	SULPICIUS GALLUS
807	19.8 N	12.0 E	VERT		107	24	5	SULPICIUS GALLUS
808	19.9 N	10.6 E	VERT		107	24	4	SULPICIUS GALLUS, RILLES
809	19.9 N	9.2 E	VERT		106	24	2	SULPICIUS GALLUS, RILLES
810	19.6 N	8.0 E	VERT		106	24	1	MANILIUS A
811	19.6 N	6.4 E	VERT		106	24	0	MANILIUS A
812	19.7 N	5.0 E	VERT		105	24	-2	SULPICIUS GALLUS G
813					105	24		813-814 TERMINATOR, PARTLY ILLUMINATED
815								815-819 DARK
820						26		820-824 TERMINATOR, PARTLY ILLUMINATED
825	17.3 S	176.0 W	40	5	118	26	-1	RACAH
826	17.1 S	177.1 W	40	5	118	26	0	RACAH
827	16.9 S	178.5 W	40	6	118	26	1	RACAH
828	16.5 S	180.0 W	40	7	118	26	3	RACAH
829	16.3 S	178.7 E	40	7	119	27	4	RACAH
830	16.0 S	177.2 E	40	7	119	27	5	RACAH, AITKEN
831	15.8 S	175.8 E	40	7	119	27	7	RACAH, AITKEN
832	15.4 S	174.3 E	40	8	120	27	8	AITKEN
833	15.1 S	172.9 E	40	8	120	27	10	AITKEN
834	14.9 S	171.8 E	40	8	120	27	11	AITKEN
835	14.7 S	170.5 E	40	8	121	27	12	AITKEN, HEAVISIDE
836	14.3 S	169.0 E	40	8	121	27	14	AITKEN, HEAVISIDE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	CAMERA TILT	CAMERA AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
837	13.9 S	167.6 E	40	9	121	27	15	HEAVISIDE, KEELER
838	13.7 S	166.1 E	40	10	122	27	17	HEAVISIDE, KEELER
839	13.4 S	164.6 E	40	10	122	27	18	HEAVISIDE, KEELER
840	13.1 S	163.3 E	40	11	122	27	19	HEAVISIDE, KEELER
841	12.9 S	162.0 E	40	11	122	27	20	HEAVISIDE, KEELER, GEIGER
842	12.5 S	160.7 E	40	12	123	27	22	HEAVISIDE, KEELER, GEIGER
843	12.3 S	159.4 E	40	12	123	27	23	KEELER, GEIGER
844	12.0 S	158.1 E	40	13	123	27	24	KEELER, GEIGER
845	11.7 S	156.7 E	41	13	123	27	26	KEELER, GEIGER
846	11.4 S	155.3 E	40	13	124	27	27	KEELER, GEIGER
847	11.0 S	153.8 E	40	14	124	27	28	BEIJERINCK, CHAPLYGIN
848	10.9 S	152.7 E	40	14	124	27	30	BEIJERINCK, CHAPLYGIN
849	10.6 S	151.4 E	40	15	124	27	31	BEIJERINCK, CHAPLYGIN
850	10.1 S	149.8 E	40	15	124	27	32	BEIJERINCK, CHAPLYGIN
851	9.7 S	148.6 E	40	15	125	27	34	CHAPLYGIN, MARCONI, VIL'EV
852	9.4 S	147.2 E	40	16	125	27	35	CHAPLYGIN, MARCONI, VIL'EV
853	9.2 S	145.8 E	40	16	125	27	36	CHAPLYGIN, MARCONI, VIL'EV
854	8.7 S	144.1 E	40	17	125	27	38	CHAPLYGIN, MARCONI, VIL'EV
855	8.5 S	142.9 E	40	17	125	27	39	CHAPLYGIN, MARCONI, VIL'EV
856	8.0 S	141.6 E	40	17	126	27	40	MARCONI, VIL'EV, DELLINGER
857	7.6 S	140.2 E	40	17	126	27	42	VIL'EV, DELLINGER, PANNEKOEK
858	7.4 S	139.0 E	40	17	126	27	43	DELLINGER, PANNEKOEK
859	6.9 S	137.5 E	40	17	126	27	44	DELLINGER, PANNEKOEK
860	6.6 S	136.3 E	40	17	126	27	46	DELLINGER, PANNEKOEK
861	6.0 S	134.9 E	40	17	126	27	47	PANNEKOEK, PRAGER
862	5.6 S	133.8 E	40	17	126	27	48	PRAGER
863	5.1 S	132.6 E	40	18	126	27	50	PRAGER, LOVE
864	4.5 S	131.2 E	40	18	126	27	51	PRAGER, LOVE
865	4.1 S	129.9 E	40	18	127	27	52	PRAGER, LOVE
866	3.6 S	128.6 E	40	18	127	27	54	PRAGER, LOVE, GREGORY
867	3.1 S	127.5 E	40	19	127	27	55	LOVE, GREGORY, BECVAR
868	2.7 S	126.0 E	40	19	127	27	56	GREGORY, BECVAR
869	2.2 S	124.7 E	40	19	127	27	57	GREGORY, BECVAR
870	1.7 S	123.7 E	40	19	127	27	59	BECVAR, KING
871	1.2 S	122.3 E	40	19	127	27	60	BECVAR, KING
872	.7 S	120.7 E	40	19	127	27	61	BECVAR, KING
873	.3 S	119.8 E	40	19	127	27	63	KING, ABUL WAFA
874	.2 N	118.6 E	40	19	127	27	64	KING, ABUL WAFA
875	.7 N	117.2 E	40	20	127	27	65	KING, ABUL WAFA
876	1.0 N	115.8 E	40	20	127	27	67	ABUL WAFA, BUISSON

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
877	1.1 N	114.6 E	40	20	127	27	68	BUISSON
878	1.5 N	113.4 E	40	20	127	27	70	BUISSON, FIRSOV
879	1.9 N	112.1 E	40	20	127	27	71	BUISSON, FIRSOV
880	2.4 N	110.9 E	40	20	127	27	72	FIRSOV
881	3.0 N	109.6 E	40	20	127	27	73	FIRSOV
882	3.5 N	108.3 E	40	20	127	27	74	FIRSOV
883	4.0 N	107.1 E	40	20	127	27	75	SAENGER, MOISEEV
884	4.3 N	105.8 E	40	20	127	27	76	SAENGER, MOISEEV
885	4.9 N	104.5 E	40	20	126	27	77	SAENGER, MOISEEV
886	5.3 N	103.1 E	40	20	126	27	77	SAENGER, MOISEEV
887	5.7 N	101.9 E	40	19	126	27	78	SAENGER, MOISEEV, ERRO
888	6.2 N	100.7 E	40	19	126	27	79	SAENGER, MOISEEV, ERRO
889	6.4 N	99.6 E	40	19	126	27	80	MOISEEV, ERRO
890	7.0 N	97.8 E	40	19	126	27	80	ERRO, DREYER
891	7.3 N	96.8 E	40	19	125	27	81	ERRO, DREYER
892	7.8 N	95.5 E	40	19	125	27	81	ERRO, DREYER
893	8.2 N	94.2 E	40	19	125	27	81	DREYER
894	8.6 N	93.0 E	40	19	125	27	80	DREYER, IBN YUNUS
895	9.2 N	91.7 E	40	19	125	27	80	IBN YUNUS, GODDARD
896	9.7 N	90.4 E	40	18	124	27	79	IBN YUNUS, GODDARD
897	10.2 N	89.2 E	40	18	124	27	79	GODDARD, NEPER
898	10.8 N	87.7 E	40	18	124	27	78	GODDARD, NEPER
899	11.2 N	86.4 E	40	18	124	27	77	GODDARD, NEPER
900	11.5 N	85.2 E	41	18	124	27	76	GODDARD, NEPER
901	11.9 N	84.0 E	40	18	123	27	75	GODDARD, NEPER
902	12.2 N	82.9 E	40	17	123	27	74	GODDARD, NEPER
903	12.6 N	81.3 E	40	17	123	27	73	GODDARD, HANSEN B
904	13.1 N	80.1 E	40	17	123	27	71	HANSEN B, ALHAZEN B
905	13.6 N	78.4 E	40	16	122	27	70	HANSEN B, ALHAZEN B
906	14.0 N	77.3 E	40	16	122	27	69	HANSEN B, ALHAZEN B
907	14.5 N	76.1 E	40	16	122	27	68	HANSEN, ALHAZEN
908	14.9 N	74.6 E	40	16	122	27	67	HANSEN, ALHAZEN
909	15.2 N	73.3 E	40	16	121	27	65	HANSEN, ALHAZEN
910	15.6 N	71.7 E	40	16	121	27	64	HANSEN, ALHAZEN, CONDORCET
911	16.1 N	70.6 E	40	16	121	27	63	HANSEN, ALHAZEN, CONDORCET
912	16.4 N	69.4 E	40	15	120	27	62	HANSEN, ALHAZEN, CONDORCET
913	16.7 N	68.1 E	40	15	120	27	60	ALHAZEN, FIMMART
914	17.1 N	66.9 E	40	15	120	27	59	FIMMART, C, CRISES, SEA OF
915	17.5 N	65.4 E	40	15	119	27	58	FIMMART, C, CRISES, SEA OF
916	17.7 N	63.8 E	40	15	119	27	56	FIMMART, C, CRISES, SEA OF

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
917	18.0 N	62.2 E	40	14	119	27	55	EIMMART, C, CRISES, SEA OF
918	18.2 N	61.2 E	40	14	118	27	54	EIMMART, C, CRISES, SEA OF
919	18.7 N	59.9 E	40	13	118	27	52	EIMMART, C, CRISES, SEA OF
920	18.7 N	58.6 E	40	12	118	27	51	EIMMART, C, CRISES, SEA OF
921	19.1 N	56.8 E	40	12	117	27	50	PEIRCE, B, CRISES, SEA OF
922	19.5 N	54.9 E	40	11	117	27	48	PEIRCE, B, CRISES, SEA OF
923	19.8 N	53.5 E	40	10	117	27	47	PEIRCE, B, CRISES, SEA OF
924	20.2 N	52.2 E	40	10	116	27	46	PEIRCE, B, CRISES, SEA OF
925	20.6 N	50.7 E	40	10	116	27	44	PEIRCE, B, CRISES, SEA OF
926	20.8 N	49.4 E	40	10	116	27	43	TISSERAND, MACROBIUS
927	21.0 N	47.9 E	40	10	115	27	42	TISSERAND, MACROBIUS
928	21.1 N	46.6 E	40	10	115	27	40	TISSERAND, MACROBIUS
929	21.2 N	45.0 E	40	9	115	27	39	TISSERAND, MACROBIUS
930	21.6 N	43.5 E	40	9	114	27	38	MACROBIUS, A, B
931	21.9 N	41.9 E	40	8	114	27	36	MACROBIUS, A, B
932	21.9 N	40.6 E	40	8	113	27	35	MACROBIUS A, B, ROMER
933	22.2 N	39.3 E	40	7	113	27	34	MACROBIUS A, B, ROMER
934	22.3 N	37.5 E	40	6	113	27	32	ROMER, MARALDI
935	22.5 N	35.9 E	40	6	112	27	31	ROMER, MARALDI
936	22.7 N	34.6 E	40	5	112	27	29	ROMER, MARALDI
937	22.9 N	32.9 E	40	5	111	27	28	APOLLO 17 LANDING SITE
938	22.9 N	31.6 E	40	4	111	27	27	APOLLO 17 LANDING SITE
939	23.1 N	29.8 E	40	4	111	27	25	APOLLO 17 LANDING SITE
940	23.1 N	28.9 E	40	3	110	27	24	APOLLO 17 LANDING SITE
941	23.3 N	27.3 E	40	3	110	27	23	LE MONNIER, SERENITY, SEA OF
942	23.4 N	25.6 E	40	2	110	27	21	LE MONNIER, BESSEL A
943	23.4 N	24.5 E	40	2	109	27	20	LE MONNIER, BESSEL A
944	23.4 N	23.0 E	40	2	109	27	19	BESSEL A, DESEILLIGNY
945	23.4 N	21.5 E	40	2	108	27	17	BESSEL, A, DESEILLIGNY
946	23.4 N	20.0 E	40	1	108	27	16	BESSEL, A, DESEILLIGNY
947	23.5 N	18.2 E	40	1	108	27	14	BESSEL, A, DESEILLIGNY
948	23.4 N	16.6 E	40	1	107	27	13	BESSEL, A
949	23.3 N	14.8 E	40	0	107	27	12	BESSEL
950	23.2 N	13.5 E	40	0	107	27	10	LINNE, ARATUS C, SERENITY, SEA OF
951	23.2 N	11.7 E	40	359	106	27	9	SULPICIUS GALLUS RILLES
952	23.1 N	10.5 E	40	358	106	27	8	SULPICIUS GALLUS RILLES
953	22.9 N	9.1 E	40	357	105	27	6	SULPICIUS GALLUS RILLES
954	22.8 N	7.4 E	40	357	105	27	5	SULPICIUS GALLUS RILLES
955	22.7 N	5.9 E	40	356	105	27	3	ARATUS, A, B
956	22.4 N	4.4 E	40	355	104	27	2	ARATUS, A, B, CONON

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
957	22.4 N	2.8 E	40	355	104	27	1	ARATUS, CONON
958	22.2 N	1.5 E	40	354	104	27	0	ARATUS, CONON
959					103	27		959-961 TERMINATOR, PARTLY ILLUMINATED
962								962-1093 DARK
1094					117	27		1094-1096 TERMINATOR, PARTLY ILLUMINATED
1097	19.6 S	178.0 W	VERT		118	27	0	DE VRIES
1098	19.3 S	179.1 W	VERT		118	27	1	DE VRIES
1099	19.3 S	179.4 E	VERT		118	28	2	BERGSTRAND
1100	19.1 S	178.0 E	VERT		119	28	4	BERGSTRAND
1101	19.1 S	176.6 E	VERT		119	28	5	BERGSTRAND, AITKEN
1102	18.9 S	175.1 E	VERT		119	28	6	BERGSTRAND, AITKEN
1103	18.7 S	173.8 E	VERT		120	28	7	BERGSTRAND, AITKEN
1104	18.5 S	172.5 E	VERT		120	28	9	AITKEN
1105	18.4 S	171.2 E	VERT		120	28	10	AITKEN
1106	18.2 S	170.0 E	VERT		121	28	11	AITKEN
1107	18.0 S	168.6 E	VERT		121	28	13	AITKEN
1108	17.7 S	167.4 E	VERT		121	28	14	AITKEN, W OF
1109	17.5 S	165.9 E	VERT		121	28	15	AITKEN, W OF
1110	17.2 S	164.7 E	VERT		122	28	16	GEIGER, E OF
1111	17.0 S	163.3 E	VERT		122	28	18	GEIGER, E OF
1112	16.8 S	161.9 E	VERT		122	28	19	GEIGER, E OF
1113	16.5 S	160.6 E	VERT		122	28	20	GEIGER
1114	16.3 S	159.4 E	VERT		123	28	21	GEIGER
1115	16.0 S	158.0 E	VERT		123	28	23	GEIGER
1116	15.7 S	156.8 E	VERT		123	28	24	GEIGER
1117	15.4 S	155.5 E	VERT		123	28	25	GEIGER
1118	15.2 S	154.1 E	VERT		124	28	27	BEIJERINCK
1119	15.0 S	152.8 E	VERT		124	28	28	BEIJERINCK
1120	14.6 S	151.7 E	VERT		124	28	29	BEIJERINCK
1121	14.4 S	150.4 E	VERT		124	28	30	BEIJERINCK
1122	13.9 S	149.1 E	VERT		124	28	31	BEIJERINCK
1123	13.5 S	148.0 E	VERT		125	28	33	BEIJERINCK
1124	13.2 S	146.7 E	VERT		125	28	34	MARCONI
1125	13.0 S	145.4 E	VERT		125	28	35	MARCONI
1126	12.6 S	144.2 E	VERT		125	28	36	MARCONI
1127	12.3 S	142.8 E	VERT		125	28	38	MARCONI
1128	11.9 S	141.7 E	VERT		125	28	39	MARCONI
1129	11.5 S	140.4 E	VERT		125	28	40	CHAUVENET
1130	11.1 S	139.2 E	VERT		126	28	41	CHAUVENET
1131	10.8 S	138.0 E	VERT		126	28	43	CHAUVENET

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1132	10.5 S	136.8 E	VERT		126	28	44	CHAUVENET, TEN BRUGGENCATE
1133	10.1 S	135.6 E	VERT		126	28	45	CHAUVENET, TEN BRUGGENCATE
1134	9.7 S	134.3 E	VERT		126	28	46	TEN BRUGGENCATE, LANE
1135	9.3 S	133.1 E	VERT		126	28	48	TEN BRUGGENCATE, LANE
1136	8.9 S	131.8 E	VERT		126	28	49	TEN BRUGGENCATE, LANE
1137	8.5 S	130.7 E	VERT		126	28	50	LANE, LOVE, PEREPELKIN
1138	8.1 S	129.5 E	VERT		126	28	51	LANE, LOVE, PEREPELKIN
1139	7.7 S	128.3 E	VERT		126	28	53	LOVE, PEREPELKIN
1140	7.4 S	127.2 E	VERT		127	28	54	LOVE, PEREPELKIN
1141	7.0 S	125.9 E	VERT		127	28	55	LOVE, PEREPELKIN
1142	6.5 S	124.6 E	VERT		127	28	56	LOVE, W RIM
1143	6.1 S	123.5 E	VERT		127	28	58	LOVE, W OF
1144	5.7 S	122.4 E	VERT		127	28	59	LOVE, W OF
1145	5.2 S	121.2 E	VERT		127	28	60	VESALIUS, E OF
1146	4.7 S	120.0 E	VERT		127	28	61	VESALIUS, E OF
1147	4.2 S	118.8 E	VERT		127	28	62	VESALIUS, E OF
1148	3.7 S	117.6 E	VERT		127	28	64	VESALIUS
1149	3.3 S	116.4 E	VERT		127	28	65	VESALIUS
1150	3.0 S	115.2 E	VERT		127	28	66	VESALIUS, BUISSON
1151	2.7 S	113.9 E	VERT		127	28	67	VESALIUS, BUISSON, EINTHOVEN
1152	2.4 S	112.7 E	VERT		127	28	69	VESALIUS, BUISSON, EINTHOVEN
1153	1.9 S	111.6 E	VERT		127	28	70	VESALIUS, BUISSON, EINTHOVEN
1154	1.5 S	110.2 E	VERT		127	28	71	BUISSON, EINTHOVEN
1155	1.1 S	109.1 E	VERT		127	28	72	BUISSON, EINTHOVEN
1156	.7 S	108.2 E	VERT		127	28	73	EINTHOVEN, N WALL
1157	.3 S	107.1 E	VERT		127	28	74	SAHA
1158	.2 N	105.7 E	VERT		127	28	76	SAHA
1159	.5 N	104.6 E	VERT		127	28	77	SAHA, SAENGER
1160	.9 N	103.4 E	VERT		127	28	78	SAHA, SAENGER
1161	1.2 N	102.3 E	VERT		127	28	79	SAHA, SAENGER
1162	1.7 N	101.1 E	VERT		127	28	80	SAHA, SAENGER
1163	2.2 N	99.9 E	VERT		126	28	81	SAENGER, ERRO
1164	2.6 N	98.8 E	VERT		126	28	82	SAENGER, ERRO
1165	3.0 N	97.6 E	VERT		126	28	83	ERRO, BABCOCK
1166	3.5 N	96.3 E	VERT		125	28	84	ERRO, BABCOCK
1167	3.9 N	94.9 E	VERT		125	28	84	ERRO, BABCOCK
1168	4.1 N	93.9 E	VERT		125	28	84	ERRO, BABCOCK
1169	4.6 N	93.0 E	VERT		125	28	84	BABCOCK
1170	5.0 N	91.7 E	VERT		125	28	84	BABCOCK, JANSKY
1171	5.4 N	90.6 E	VERT		125	28	84	BABCOCK, JANSKY

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1172	5.8 N	89.4 E	VERT		124	28	83	JANSKY, NEPER K
1173	6.3 N	88.4 E	VERT		124	28	82	JANSKY, NEPER, K
1174	6.7 N	87.3 E	VERT		124	28	81	JANSKY, NEPER, K
1175	7.2 N	86.1 E	VERT		124	28	81	JANSKY, NEPER, K
1176	7.7 N	84.8 E	VERT		124	28	79	NEPER, G
1177	8.2 N	83.6 E	VERT		123	28	78	NEPER, G
1178	8.6 N	82.4 E	VERT		123	28	77	NEPER, G
1179	8.9 N	81.0 E	VERT		123	28	76	NEPER, G, D
1180	9.3 N	79.9 E	VERT		123	28	75	NEPER D
1181	9.7 N	78.7 E	VERT		122	28	74	NEPER D, CONDORCET K
1182	10.0 N	77.5 E	VERT		122	28	72	CONDORCET K
1183	10.4 N	76.2 E	VERT		122	28	71	CONDORCET F, HANSEN A
1184	10.8 N	75.0 E	VERT		122	28	70	CONDORCET F, HANSEN
1185	11.1 N	73.8 E	VERT		121	28	69	CONDORCET F, HANSEN
1186	11.5 N	72.7 E	VERT		121	28	68	CONDORCET, HANSEN
1187	11.8 N	71.4 E	VERT		121	28	66	CONDORCET, HANSEN
1188	12.2 N	70.2 E	VERT		121	28	65	CONDORCET, HANSEN
1189	12.5 N	69.0 E	VERT		120	28	64	CONDORCET, HANSEN
1190	12.9 N	67.6 E	VERT		120	28	63	CONDORCET, A
1191	13.3 N	66.4 E	VERT		120	28	61	CONDORCET, A
1192	13.6 N	65.4 E	VERT		120	28	60	CONDORCET A, H
1193	13.9 N	64.1 E	VERT		119	28	59	CONDORCET H, PICARD X, Y
1194	14.2 N	62.8 E	VERT		119	28	58	PICARD X, Y, CRISES, SEA OF
1195	14.4 N	61.3 E	VERT		119	28	57	PICARD X, Y, CRISES, SEA OF
1196	14.7 N	60.0 E	VERT		118	28	55	PICARD X, Y, CRISES, SEA OF
1197	15.0 N	58.7 E	VERT		118	28	54	PICARD Y, CRISES, SEA OF
1198	15.3 N	57.3 E	VERT		118	28	53	PICARD, CRISES, SEA OF
1199	15.5 N	56.2 E	VERT		117	28	52	PICARD, CRISES, SEA OF
1200	15.8 N	54.9 E	VERT		117	28	50	PICARD, PEIRCE, YERKES
1201	16.1 N	53.6 E	VERT		117	28	49	PICARD, PEIRCE, YERKES
1202	16.4 N	52.3 E	VERT		116	28	48	PICARD, PEIRCE, YERKES
1203	16.8 N	50.9 E	VERT		116	28	46	PEIRCE, YERKES
1204	17.0 N	49.7 E	VERT		116	28	45	YERKES, PROCLUS
1205	17.3 N	48.2 E	VERT		115	28	44	PROCLUS
1206	17.5 N	47.0 E	VERT		115	28	43	PROCLUS
1207	17.7 N	45.6 E	VERT		115	28	41	PROCLUS
1208	17.9 N	44.3 E	VERT		114	28	40	PROCLUS
1209	18.0 N	42.9 E	VERT		114	28	39	MACROBIUS A, B, FRANZ
1210	18.3 N	41.6 E	VERT		114	28	38	MACROBIUS A, B, FRANZ
1211	18.5 N	40.3 E	VERT		113	28	36	MACROBIUS A, B, FRANZ

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1212	18.6 N	38.8 E	VERT		113	28	35	MACROBIUS A, B, FRANZ
1213	18.8 N	37.6 E	VERT		113	28	34	MACROBIUS A, B, MARALDI
1214	19.0 N	36.4 E	VERT		112	28	33	MARALDI, VITRUVIUS A
1215	19.1 N	35.1 E	VERT		112	28	31	MARALDI, VITRUVIUS A
1216	19.4 N	33.7 E	VERT		112	28	30	MARALDI, VITRUVIUS, A
1217	19.5 N	32.2 E	VERT		111	28	29	LITTROW, APOLLO 17 LANDING SITE
1218	19.5 N	30.9 E	VERT		111	28	27	LITTROW, APOLLO 17 LANDING SITE
1219	19.5 N	29.6 E	VERT		111	28	26	LITTROW, APOLLO 17 LANDING SITE
1220	19.7 N	28.4 E	VERT		110	28	25	LITTROW, APOLLO 17 LANDING SITE
1221	19.7 N	26.9 E	VERT		110	28	24	VITRUVIUS E, DAWES
1222	19.8 N	25.4 E	VERT		109	28	22	DAWES, PLINIUS RILLES
1223	19.7 N	24.2 E	VERT		109	28	21	DAWES, PLINIUS RILLES
1224	19.3 N	23.2 E	VERT		109	28	20	PLINIUS RILLES, DESEILLIGNY
1225	19.3 N	22.3 E	VERT		108	28	19	PLINIUS RILLES, DESEILLIGNY
1226	19.1 N	21.0 E	VERT		108	28	18	DESEILLIGNY, BESSEL
1227	19.6 N	18.8 E	VERT		108	28	16	DESEILLIGNY, BESSEL
1228	19.7 N	17.5 E	VERT		107	28	15	BESSEL, E
1229	19.8 N	15.9 E	VERT		107	28	13	BESSEL, E
1230	19.8 N	14.6 E	VERT		107	28	12	BESSEL E
1231	20.3 N	13.2 E	VERT		106	28	11	BESSEL E, SULPICIUS GALLUS
1232	19.8 N	11.7 E	VERT		106	28	9	SULPICIUS GALLUS, RILLES
1233	19.8 N	10.4 E	VERT		106	28	8	SULPICIUS GALLUS, RILLES, MANILIUS A
1234	19.7 N	9.0 E	VERT		105	28	7	SULPICIUS GALLUS, RILLES, MANILIUS A
1235	19.9 N	7.7 E	VERT		105	28	6	SULPICIUS GALLUS RILLES, MANILIUS A
1236	19.8 N	6.3 E	VERT		105	28	4	MANILIUS A, ARATUS A
1237	19.6 N	4.8 E	VERT		104	28	3	ARATUS A, SULPICIUS GALLUS G
1238	19.6 N	3.5 E	VERT		104	28	2	ARATUS A, CONON
1239	19.6 N	2.1 E	VERT		104	28	0	CONON, W
1240	19.6 N	.7 E	VERT		103	28	-1	CONON
1241					103	28		1241-1243 TERMINATOR, PARTLY ILLUMINATED
1244								1244-1375 DARK
1376					116	28		1376-1378 TERMINATOR, PARTLY ILLUMINATED
1379	19.6 S	178.6 W	VERT		117	29	1	DE VRIES
1380	19.5 S	179.8 E	VERT		117	29	1	DE VRIES, BERGSTRAND
1381	19.5 S	178.4 E	VERT		118	29	2	BERGSTRAND
1382	19.3 S	176.8 E	VERT		118	29	4	BERGSTRAND, AITKEN
1383	19.2 S	175.6 E	VERT		118	29	5	BERGSTRAND, AITKEN
1384	19.0 S	174.3 E	VERT		119	29	6	BERGSTRAND, AITKEN
1385	18.8 S	172.9 E	VERT		119	29	7	AITKEN
1386	18.7 S	171.7 E	VERT		120	29	9	AITKEN

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1387	18.5 S	170.4 E	VERT		120	29	10	AITKEN
1388	18.3 S	169.2 E	VERT		121	29	11	AITKEN
1389	18.0 S	167.6 E	VERT		121	29	13	AITKEN, W RIM
1390	17.8 S	166.4 E	VERT		121	29	14	AITKEN, W OF
1391	17.5 S	165.1 E	VERT		122	29	15	AITKEN, W OF
1392	17.2 S	163.7 E	VERT		122	29	16	GEIGER, E OF
1393	17.0 S	162.4 E	VERT		122	29	17	GEIGER, E OF
1394	16.8 S	161.2 E	VERT		122	29	19	GEIGER
1395	16.6 S	159.9 E	VERT		123	29	20	GEIGER
1396	16.3 S	158.6 E	VERT		123	29	21	GEIGER
1397	16.1 S	157.2 E	VERT		123	29	23	GEIGER
1398	15.8 S	155.9 E	VERT		123	29	24	GEIGER
1399	15.5 S	154.6 E	VERT		123	29	25	GEIGER, BEIJERINCK
1400	15.3 S	153.4 E	VERT		124	29	26	BEIJERINCK
1401	15.0 S	152.2 E	VERT		124	29	27	BEIJERINCK
1402	14.7 S	150.9 E	VERT		124	29	29	BEIJERINCK
1403	14.4 S	149.6 E	VERT		124	29	30	BEIJERINCK
1404	14.0 S	148.3 E	VERT		124	29	31	BEIJERINCK
1405	13.5 S	147.0 E	VERT		125	29	33	MARCONI, SE RIM
1406	13.2 S	145.7 E	VERT		125	29	34	MARCONI
1407	12.8 S	144.5 E	VERT		125	29	35	MARCONI
1408	12.5 S	143.2 E	VERT		125	29	36	MARCONI
1409	12.1 S	141.9 E	VERT		125	29	38	MARCONI
1410	11.7 S	140.6 E	VERT		125	29	39	MARCONI, CHAUVENET
1411	11.4 S	139.6 E	VERT		126	29	40	CHAUVENET
1412	11.1 S	139.3 E	VERT		126	29	41	CHAUVENET
1413	10.7 S	137.1 E	VERT		126	29	43	CHAUVENET, TEN BRUGGENCATE
1414	10.3 S	135.8 E	VERT		126	29	44	CHAUVENET, TEN BRUGGENCATE
1415	10.0 S	134.6 E	VERT		126	29	45	CHAUVENET, TEN BRUGGENCATE, LANE
1416	9.6 S	133.4 E	VERT		126	29	46	TEN BRUGGENCATE, LANE
1417	9.2 S	132.1 E	VERT		126	29	48	LANE, PEREPELKIN
1418	9.0 S	130.8 E	VERT		126	29	49	LANE, PEREPELKIN, LOVE
1419	8.6 S	129.6 E	VERT		126	29	50	LANE, PEREPELKIN, LOVE
1420	8.2 S	128.5 E	VERT		126	29	51	PEREPELKIN, LOVE
1421	7.8 S	127.2 E	VERT		126	29	53	PEREPELKIN, LOVE
1422	7.3 S	125.9 E	VERT		126	29	54	PEREPELKIN, LOVE
1423	6.8 S	124.8 E	VERT		126	29	55	PEREPELKIN, LOVE
1424	6.5 S	123.6 E	VERT		126	29	56	LOVE, W OF
1425	6.0 S	122.5 E	VERT		126	29	58	LOVE, W OF
1426	5.6 S	121.3 E	VERT		126	29	59	LOVE, W OF

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1427	5.1 S	120.1 E	VERT		126	29	60	LOVE, W OF
1428	4.6 S	118.8 E	VERT		126	29	61	VESALIUS, E OF
1429	4.2 S	117.5 E	VERT		126	29	63	VESALIUS
1430	3.8 S	116.5 E	VERT		126	29	64	VESALIUS
1431	3.4 S	115.3 E	VERT		126	29	65	VESALIUS, BUISSON
1432	3.1 S	114.2 E	VERT		126	29	66	VESALIUS, BUISSON
1433	2.7 S	112.9 E	VERT		126	29	67	VESALIUS, BUISSON, EINTHOVEN
1434	2.3 S	111.8 E	VERT		126	29	69	BUISSON, EINTHOVEN
1435	2.0 S	110.7 E	VERT		126	29	70	BUISSON, EINTHOVEN
1436	1.6 S	109.5 E	VERT		126	29	71	BUISSON, EINTHOVEN
1437	1.2 S	108.3 E	VERT		126	29	72	EINTHOVEN
1438	.8 S	107.1 E	VERT		126	29	73	SAHA
1439	.3 S	105.9 E	VERT		126	29	75	SAHA
1440	.1 N	104.7 E	VERT		126	29	76	SAHA, SAENGER
1441	.5 N	103.4 E	VERT		126	29	77	SAHA, SAENGER
1442	1.0 N	102.2 E	VERT		126	29	78	SAHA, SAENGER, WYLD
1443	1.3 N	101.1 E	VERT		126	29	79	SAHA, SAENGER, WYLD
1444	1.8 N	100.0 E	VERT		126	29	80	SAENGER, WYLD, ERRO
1445	2.1 N	98.9 E	VERT		126	29	81	SAENGER, WYLD, ERRO
1446	2.6 N	97.7 E	VERT		125	29	82	ERRO, BABCOCK
1447	3.0 N	96.5 E	VERT		125	29	83	ERRO, BABCOCK
1448	3.4 N	95.3 E	VERT		125	29	84	ERRO, BABCOCK
1449	3.8 N	94.2 E	VERT		125	29	84	ERRO, BABCOCK
1450	4.4 N	93.0 E	VERT		125	29	84	BABCOCK
1451	4.8 N	91.9 E	VERT		125	29	84	BABCOCK, JANSKY
1452	5.2 N	90.8 E	VERT		125	29	84	BABCOCK, JANSKY
1453	5.6 N	89.7 E	VERT		124	29	84	JANSKY, NEPER K
1454	6.1 N	88.6 E	VERT		124	29	83	JANSKY, NEPER K
1455	6.5 N	87.4 E	VERT		124	29	82	JANSKY, NEPER
1456	6.9 N	86.3 E	VERT		124	29	81	JANSKY, NEPER
1457	7.4 N	85.1 E	VERT		124	29	80	NEPER
1458	7.9 N	83.7 E	VERT		123	29	79	NEPER
1459	8.2 N	82.6 E	VERT		123	29	78	NEPER
1460	8.5 N	81.3 E	VERT		123	29	77	NEPER
1461	8.9 N	80.1 E	VERT		123	29	76	NEPER, W WALL
1462	9.3 N	79.0 E	VERT		122	29	75	NEPER D, CONDORCET K
1463	9.7 N	77.6 E	VERT		122	29	74	CONDORCET K
1464	10.1 N	76.3 E	VERT		122	29	72	CONDORCET E, HANSEN A
1465	10.5 N	75.1 E	VERT		122	29	71	CONDORCET E, HANSEN
1466	10.8 N	73.8 E	VERT		121	29	70	CONDORCET E, HANSEN

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	CAMERA TILT	CAMERA AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
11.3 N	72.5 E	VERT		121	29	68	CONDORCET, F, HANSEN
11.6 N	71.4 E	VERT		121	29	67	CONDORCET, F, HANSEN
11.9 N	70.2 E	VERT		121	29	66	CONDORCET, HANSEN
12.3 N	69.1 E	VERT		120	29	65	CONDORCET, HANSEN
12.7 N	67.8 E	VERT		120	29	64	CONDORCET
13.0 N	66.6 E	VERT		120	29	63	CONDORCET, AUZOUT
13.4 N	65.5 E	VERT		119	29	62	CONDORCET A, H, AUZOUT
13.8 N	63.9 E	VERT		119	29	60	AUZOUT, PICARD X
14.0 N	62.6 E	VERT		119	29	59	AUZOUT, PICARD X, Y
14.3 N	61.3 E	VERT		119	29	57	PICARD X, Y, CRISES, SEA OF
14.5 N	60.0 E	VERT		118	29	56	PICARD X, Y, CRISES, SEA OF
14.7 N	58.8 E	VERT		118	29	55	PICARD Y, CRISES, SEA OF
15.0 N	57.5 E	VERT		118	29	54	PICARD, CRISES, SEA OF
15.3 N	56.2 E	VERT		117	29	53	PICARD, CRISES, SEA OF
15.6 N	55.0 E	VERT		117	29	51	PICARD, YERKES, PEIRCE
15.9 N	53.8 E	VERT		117	29	50	PICARD, YERKES, PEIRCE
16.2 N	52.3 E	VERT		116	29	49	PICARD, YERKES, PEIRCE
16.6 N	51.0 E	VERT		116	29	47	YERKES, PEIRCE
16.9 N	49.8 E	VERT		116	29	46	YERKES, PROCLUS
17.1 N	48.4 E	VERT		115	29	45	PROCLUS
17.3 N	47.1 E	VERT		115	29	44	PROCLUS
17.5 N	45.8 E	VERT		115	29	42	PROCLUS
17.7 N	44.4 E	VERT		114	29	41	PROCLUS
18.1 N	43.0 E	VERT		114	29	40	PROCLUS D, FRANZ
18.3 N	41.7 E	VERT		114	29	38	FRANZ, MACROBIUS A, B
18.4 N	40.4 E	VERT		113	29	37	FRANZ, MACROBIUS A, B
18.6 N	39.1 E	VERT		113	29	36	FRANZ, MACROBIUS A, B
18.7 N	37.6 E	VERT		113	29	35	MACROBIUS A, B, MARALDI
18.8 N	36.3 E	VERT		112	29	33	MARALDI, VITRUVIUS A
19.0 N	35.2 E	VERT		112	29	32	MARALDI, VITRUVIUS A
19.2 N	33.7 E	VERT		111	29	32	MARALDI, VITRUVIUS, A
19.3 N	32.4 E	VERT		111	29	30	LITTROW, APOLLO 17 LANDING SITE
19.4 N	31.0 E	VERT		111	29	28	LITTROW, APOLLO 17 LANDING SITE
19.4 N	29.7 E	VERT		110	29	27	LITTROW, APOLLO 17 LANDING SITE
19.6 N	28.4 E	VERT		110	29	26	LITTROW, APOLLO 17 LANDING SITE
19.7 N	27.0 E	VERT		110	29	25	VITRUVIUS E, DAWES
19.7 N	25.7 E	VERT		109	29	23	DAWES, PLINIUS RILLES
19.6 N	24.3 E	VERT		109	29	22	DAWES, PLINIUS RILLES
19.4 N	23.1 E	VERT		109	29	21	PLINIUS RILLES, DESPILLIGNY
19.4 N	22.3 E	VERT		108	29	20	PLINIUS RILLES, DESPILLIGNY

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1507	19.2 N	21.0 E	VERT		108	29	19	DESEILLIGNY, BESSEL
1508	19.6 N	18.7 E	VERT		108	29	17	DESEILLIGNY, BESSEL
1509	19.7 N	17.4 E	VERT		107	29	16	BESSEL, E
1510	20.0 N	15.9 E	VERT		107	29	14	BESSEL, E
1511	19.8 N	14.5 E	VERT		107	29	13	BESSEL E, SULPICIUS GALLUS
1512	19.9 N	13.1 E	VERT		106	29	12	BESSEL E, SULPICIUS GALLUS
1513	19.9 N	11.7 E	VERT		106	29	10	SULPICIUS GALLUS, RILLES
1514	19.9 N	10.4 E	VERT		106	29	9	SULPICIUS GALLUS, RILLES
1515	19.9 N	9.0 E	VERT		105	29	8	SULPICIUS GALLUS, RILLES
1516	19.9 N	7.6 E	VERT		105	29	6	SULPICIUS GALLUS RILLES, MANILIUS A
1517	19.8 N	6.3 E	VERT		105	29	5	MANILIUS A, ARATUS A
1518	19.7 N	4.8 E	VERT		104	29	4	ARATUS A, CONON, W
1519	19.7 N	3.5 E	VERT		104	29	3	ARATUS A, CONON, W
1520	19.6 N	2.1 E	VERT		104	29	1	ARATUS A, CONON, W
1521	19.6 N	.8 E	VERT		103	29	0	CONON
1522					103	29		1522-1525 TERMINATOR, PARTLY ILLUMINATED
1526								1526-1532 DARK
1533								1533-1542 SUN ON LENS
1543						36		1543-1547 TERMINATOR, PARTLY ILLUMINATED
1548	22.9 S	174.5 E	40	185	119	36	0	VAN DE GRAAFF
1549	22.8 S	172.6 E	40	185	119	36	1	VAN DE GRAAFF
1550	22.7 S	171.1 E	40	186	119	36	2	VAN DE GRAAFF
1551	22.3 S	169.5 E	40	186	119	36	3	VAN DE GRAAFF
1552	22.2 S	168.4 E	40	187	120	36	5	VAN DE GRAAFF, PARACELSUS
1553	22.1 S	167.1 E	40	188	120	36	6	PARACELSUS
1554	22.1 S	165.6 E	40	188	120	36	8	PARACELSUS
1555	21.9 S	164.2 E	40	189	121	36	9	PARACELSUS
1556	21.5 S	162.7 E	40	188	121	36	10	PARACELSUS
1557	21.3 S	161.1 E	40	189	121	36	12	PARACELSUS, CYRANO
1558	21.1 S	159.8 E	40	189	121	36	13	PARACELSUS, CYRANO
1559	20.8 S	158.2 E	40	190	122	36	14	CYRANO
1560	20.5 S	156.8 E	40	190	122	36	16	CYRANO
1561	20.3 S	155.5 E	40	190	122	36	17	CYRANO
1562	20.0 S	154.3 E	40	191	122	36	18	CYRANO, GAGARIN
1563	19.8 S	152.6 E	40	191	122	36	20	GAGARIN
1564	19.5 S	151.2 E	40	191	123	36	21	GAGARIN
1565	19.2 S	149.7 E	40	191	123	36	22	GAGARIN
1566	19.1 S	148.2 E	40	192	123	36	24	GAGARIN
1567	18.8 S	146.8 E	40	192	123	36	25	GAGARIN
1568	18.5 S	145.5 E	40	193	123	36	26	GAGARIN, PENNING

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1569	17.9 S	144.0 E	40	193	124	36	28	GARARIN, DENNING
1570	17.6 S	142.6 E	40	194	124	36	29	GARARIN, DENNING
1571	17.2 S	141.0 E	40	194	124	36	31	DENNING
1572	17.0 S	139.9 E	40	195	124	36	32	DENNING
1573	16.6 S	138.7 E	40	195	124	36	33	DENNING
1574	16.3 S	137.2 E	40	195	124	36	35	TSIOLKOVSKY
1575	15.8 S	136.0 E	40	195	124	36	36	TSIOLKOVSKY
1576	15.8 S	134.8 E	40	196	124	36	37	TSIOLKOVSKY
1577	15.3 S	133.4 E	40	196	125	36	39	TSIOLKOVSKY
1578	14.8 S	131.7 E	40	196	125	36	40	TSIOLKOVSKY
1579	14.4 S	130.2 E	40	196	125	36	41	TSIOLKOVSKY
1580	14.0 S	128.9 E	40	196	125	36	43	TSIOLKOVSKY
1581	13.6 S	127.7 E	40	196	125	36	44	TSIOLKOVSKY
1582	13.2 S	126.4 E	40	197	125	36	45	TSIOLKOVSKY, DANJON
1583	12.9 S	125.0 E	40	197	125	36	47	TSIOLKOVSKY, DANJON
1584	12.4 S	123.5 E	40	197	125	36	48	TSIOLKOVSKY, DANJON
1585	12.1 S	122.2 E	40	197	125	36	49	DANJON, LANGEMAK
1586	11.7 S	121.0 E	40	198	125	36	51	DANJON, LANGEMAK
1587	11.3 S	119.6 E	40	198	125	36	52	LANGEMAK
1588	10.7 S	118.3 E	40	199	125	36	54	LANGEMAK, MEITNER
1589	10.1 S	117.0 E	40	199	125	36	55	LANGEMAK, MEITNER
1590	9.6 S	115.6 E	40	199	125	36	56	LANGEMAK, MEITNER
1591	9.3 S	114.4 E	40	200	125	36	58	MEITNER
1592	8.9 S	113.0 E	40	200	125	36	59	MEITNER, PASTEUR
1593	8.5 S	111.8 E	40	200	125	36	60	MEITNER, PASTEUR
1594	8.0 S	110.5 E	40	200	125	36	62	MEITNER, PASTEUR
1595	7.6 S	109.4 E	40	200	125	36	63	MEITNER, PASTEUR
1596	7.1 S	108.2 E	40	200	125	36	64	PASTEUR
1597	6.6 S	106.8 E	40	200	125	36	66	PASTEUR
1598	6.1 S	105.5 E	40	199	125	36	67	PASTEUR
1599	5.7 S	104.1 E	40	199	125	36	68	PASTEUR, SAHA
1600	5.2 S	102.9 E	40	199	125	36	70	PASTEUR, SAHA
1601	4.8 S	101.8 E	40	199	125	36	71	SAHA
1602	4.3 S	100.7 E	40	199	125	36	72	SAHA
1603	3.7 S	99.5 E	40	199	125	36	74	SAHA, WYLD, HIRAYAMA
1604	3.1 S	97.9 E	40	199	125	36	75	WYLD, HIRAYAMA
1605	2.8 S	96.7 E	40	199	125	36	77	WYLD, HIRAYAMA, PARKYNE
1606	2.2 S	95.5 E	40	199	125	36	78	WYLD, HIRAYAMA, PARKYNE
1607	1.8 S	94.0 E	40	199	124	36	79	HIRAYAMA, PARKYNE
1608	1.4 S	92.8 E	40	199	124	36	81	HIRAYAMA, PARKYNE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1609	1.0 S	91.8 E	40	199	124	36	82	HIRAYAMA, PURKYNE, SMYTH'S SEA
1610	.6 S	90.4 E	40	199	124	36	83	HIRAYAMA, SMYTH'S SEA
1611	.2 S	89.1 E	40	199	124	36	84	HIRAYAMA, SMYTH'S SEA
1612	.2 N	87.8 E	40	199	124	36	86	SMYTH'S SEA
1613	.6 N	86.5 E	40	199	123	36	87	SMYTH'S SEA
1614	1.0 N	85.1 E	40	199	123	36	88	SMYTH'S SEA, SCHUBERT, B
1615	1.5 N	83.7 E	40	199	123	36	88	SMYTH'S SEA, SCHUBERT, B
1616	1.9 N	82.6 E	40	199	123	36	87	SMYTH'S SEA, SCHUBERT, B
1617	2.3 N	81.3 E	40	199	123	36	86	SMYTH'S SEA, SCHUBERT, B
1618	2.7 N	80.1 E	40	199	122	36	85	SCHUBERT, B, BANACHIEWICZ
1619	3.3 N	78.8 E	40	199	122	36	84	SCHUBERT, B, BANACHIEWICZ
1620	3.8 N	77.6 E	40	199	121	36	83	SCHUBERT, B, BANACHIEWICZ
1621	4.2 N	76.3 E	40	198	121	36	81	BANACHIEWICZ, B, E
1622	4.7 N	75.0 E	40	198	121	36	79	BANACHIEWICZ E
1623	5.3 N	73.7 E	40	198	121	36	79	BANACHIEWICZ E, DUBIAGO
1624	5.7 N	72.7 E	40	198	120	36	77	BANACHIEWICZ E, DUBIAGO, CONDORCET F, P
1625	6.0 N	71.5 E	40	198	120	36	76	DUBIAGO, CONDORCET F, P
1626	6.5 N	69.8 E	40	197	120	36	75	DUBIAGO, CONDORCET F, P
1627	7.1 N	68.5 E	40	197	120	36	73	DUBIAGO, CONDORCET P
1628	7.5 N	67.1 E	40	197	119	36	72	DUBIAGO, FIRMICUS
1629	8.0 N	66.1 E	40	197	119	36	71	FIRMICUS, AUZOUT
1630	8.3 N	64.6 E	40	196	119	36	69	FIRMICUS, AUZOUT
1631	8.8 N	63.5 E	40	195	118	36	68	FIRMICUS, AUZOUT
1632	9.1 N	62.1 E	40	195	118	36	67	FIRMICUS, AUZOUT
1633	9.5 N	60.2 E	40	195	118	36	65	FIRMICUS, PICARD H
1634	9.8 N	59.1 E	40	195	118	36	64	PICARD H, CRISES, SEA OF
1635	9.9 N	57.5 E	40	195	117	36	62	PICARD H, CRISES, SEA OF
1636	10.4 N	55.8 E	40	195	117	36	61	PICARD H, CRISES, SEA OF
1637	10.9 N	54.3 E	40	195	117	36	60	PICARD H, LICK
1638	11.1 N	53.1 E	40	194	116	36	58	PICARD H, LICK
1639	11.3 N	52.1 E	40	194	116	36	57	PICARD H, LICK
1640	11.7 N	51.0 E	40	193	116	36	56	LICK, YERKES
1641	12.0 N	49.5 E	40	193	115	36	54	LICK, YERKES
1642	12.2 N	48.2 E	40	193	115	36	53	YERKES, GLAISHER
1643	12.6 N	46.9 E	40	193	115	36	52	GLAISHER, PROCLUS F
1644	12.8 N	45.5 E	40	192	114	36	50	GLAISHER, PROCLUS F, A
1645	13.3 N	43.3 E	40	192	114	36	49	PROCLUS F, A, LYELL
1646	13.7 N	42.7 E	40	192	114	36	47	PROCLUS F, A, LYELL
1647	14.0 N	41.3 E	40	191	113	36	46	LYELL, FRANZ
1648	14.2 N	39.8 E	40	191	113	36	45	LYELL, FRANZ

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1649	14.4 N	38.3 E	40	190	113	36	43	LYELL, FRANZ, MARALDI D
1650	14.6 N	37.2 E	40	190	112	36	42	LYELL, MARALDI D
1651	14.7 N	35.7 E	40	190	112	36	41	MARALDI D, VITRUVIUS A
1652	15.0 N	34.3 E	40	188	111	36	39	MARALDI D, VITRUVIUS A
1653	15.2 N	32.9 E	40	188	111	36	38	VITRUVIUS, A, JANSEN
1654	15.5 N	31.5 E	40	187	111	36	36	VITRUVIUS, A, JANSEN
1655	15.5 N	30.1 E	40	187	110	36	35	VITRUVIUS, JANSEN
1656	15.8 N	28.5 E	40	186	110	36	33	VITRUVIUS, JANSEN, DAWES
1657	16.2 N	27.0 E	40	186	110	36	32	JANSEN, DAWES, PLINIUS
1658	16.5 N	25.6 E	40	185	109	36	31	JANSEN, DAWES, PLINIUS
1659	16.5 N	24.3 E	40	185	109	36	30	DAWES, PLINIUS, RILLES
1660	16.5 N	22.7 E	40	184	109	36	28	PLINIUS, RILLES
1661	16.6 N	21.3 E	40	184	108	36	27	PLINIUS, RILLES, TACQUET
1662	16.6 N	19.8 E	40	184	108	36	25	PLINIUS, RILLES, TACQUET
1663	16.6 N	18.5 E	40	183	108	36	24	TACQUET, MENELAUS
1664	16.7 N	17.0 E	40	183	107	36	23	TACQUET, MENELAUS
1665	16.7 N	15.7 E	40	183	107	36	21	TACQUET, MENELAUS
1666	16.9 N	14.1 E	40	182	107	36	20	MENELAUS, MANILIUS
1667	16.9 N	12.5 E	40	181	106	36	18	MENELAUS, MANILIUS, SULPICIUS GALLUS
1668	16.9 N	11.2 E	40	181	106	36	17	MANILIUS, SULPICIUS GALLUS
1669	16.9 N	9.8 E	40	180	106	36	16	MANILIUS, SULPICIUS GALLUS
1670	16.7 N	8.4 E	40	180	105	36	14	MANILIUS, A
1671	16.8 N	6.8 E	40	179	105	36	13	MANILIUS, A, VAPORS, SEA OF
1672	16.8 N	5.3 E	40	178	105	36	12	MANILIUS, F, VAPORS, SEA OF
1673	16.9 N	4.0 E	40	178	104	36	10	MANILIUS, F, VAPORS, SEA OF
1674	16.9 N	2.4 E	40	177	104	36	9	MANILIUS, F, VAPORS, SEA OF
1675	16.9 N	.9 E	40	177	104	36	7	CONON RILLE, VAPORS, SEA OF
1676	16.8 N	.3 W	40	176	103	36	6	CONON RILLE, VAPORS, SEA OF
1677	16.8 N	1.9 W	40	177	103	36	5	MARCO POLO B, H, VAPORS, SEA OF
1678	16.7 N	3.4 W	40	178	103	36	3	MARCO POLO B, H, VAPORS, SEA OF
1679	16.6 N	5.0 W	40	180	102	36	1	APENNINE MTS
1680	16.5 N	6.8 W	40	181	102	36	0	APENNINE MTS
1681					102	36		1681-1686 TERMINATOR, PARTLY ILLUMINATED
1687	19.6 S	173.8 E	VERT		118	36	-2	AITKEN, S RIM
1688	19.5 S	172.6 E	VERT		118	36	-1	AITKEN, S RIM
1689	19.4 S	171.5 E	VERT		118	36	0	AITKEN, S RIM
1690	19.2 S	170.2 E	VERT		119	36	1	AITKEN, S RIM
1691	19.1 S	168.8 E	VERT		119	36	3	AITKEN, S W RIM
1692	18.9 S	167.5 E	VERT		119	36	4	AITKEN, W OF
1693	18.8 S	165.9 E	VERT		120	36	5	AITKEN, W OF

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1694	18.6 S	164.8 E	VERT		120	38	6	CYRANO, E OF
1695	18.4 S	163.5 E	VERT		120	38	8	CYRANO, E OF
1696	18.3 S	162.2 E	VERT		120	38	9	CYRANO, E OF
1697	18.3 S	160.8 E	VERT		121	38	10	CYRANO
1698	18.2 S	159.6 E	VERT		121	38	12	CYRANO
1699	17.8 S	158.2 E	VERT		121	38	13	CYRANO
1700	17.7 S	156.9 E	VERT		121	38	14	CYRANO
1701	17.5 S	155.5 E	VERT		121	38	15	CYRANO, GAGARIN, E WALL
1702	17.2 S	154.2 E	VERT		122	38	17	GAGARIN, BEIJERINCK
1703	16.9 S	152.9 E	VERT		122	38	18	GAGARIN, BEIJERINCK
1704	16.7 S	151.4 E	VERT		122	38	19	GAGARIN, BEIJERINCK
1705	16.3 S	150.1 E	VERT		122	38	21	GAGARIN, BEIJERINCK
1706	16.1 S	149.0 E	VERT		122	38	22	GAGARIN, BEIJERINCK
1707	15.7 S	147.7 E	VERT		122	38	23	GAGARIN, BEIJERINCK
1708	15.4 S	146.4 E	VERT		123	38	24	GAGARIN, DENNING
1709	15.3 S	145.1 E	VERT		123	38	26	GAGARIN, DENNING
1710	14.9 S	144.0 E	VERT		123	38	27	DENNING
1711	14.7 S	142.4 E	VERT		123	38	28	DENNING
1712	14.4 S	141.3 E	VERT		123	38	29	DENNING
1713	13.9 S	139.9 E	VERT		123	38	31	DENNING, CHAUVENET
1714	13.7 S	138.8 E	VERT		123	38	32	CHAUVENET
1715	13.3 S	137.6 E	VERT		124	38	33	CHAUVENET
1716	13.0 S	136.3 E	VERT		124	38	34	CHAUVENET, TEN BRUGGENCATE
1717	12.6 S	135.1 E	VERT		124	38	35	CHAUVENET, TEN BRUGGENCATE
1718	12.3 S	134.0 E	VERT		124	39	37	TEN BRUGGENCATE, LANE
1719	11.9 S	132.7 E	VERT		124	38	38	TEN BRUGGENCATE, LANE
1720	11.4 S	131.5 E	VERT		124	38	39	TEN BRUGGENCATE, LANE
1721	11.1 S	130.2 E	VERT		124	38	41	LANE, PEREPELKIN
1722	10.8 S	129.0 E	VERT		124	38	42	LANE, PEREPELKIN
1723	10.3 S	127.7 E	VERT		124	38	43	PEREPELKIN
1724	10.0 S	126.5 E	VERT		124	38	44	PEREPELKIN, DANJON
1725	9.6 S	125.3 E	VERT		124	38	45	PEREPELKIN, DANJON
1726	9.2 S	123.9 E	VERT		124	38	48	DANJON, LANGEMAK
1727	8.9 S	122.6 E	VERT		125	38	48	DANJON, LANGEMAK
1728	8.6 S	121.5 E	VERT		125	38	49	DANJON, LANGEMAK
1729	8.2 S	120.4 E	VERT		125	38	50	LANGEMAK
1730	7.7 S	119.1 E	VERT		125	38	52	LANGEMAK
1731	7.3 S	117.6 E	VERT		125	38	53	LANGEMAK
1732	7.0 S	116.4 E	VERT		125	38	55	LANGEMAK, VESALIUS
1733	6.7 S	115.5 E	VERT		125	38	55	VESALIUS

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1734	6.3 S	114.5 E	VERT		125	38	57	VESALIUS
1735	5.9 S	113.2 E	VERT		125	38	58	VESALIUS
1736	5.5 S	112.1 E	VERT		125	38	59	VESALIUS, EINTHOVEN
1737	4.9 S	111.1 E	VERT		124	38	60	VESALIUS, EINTHOVEN
1738	4.5 S	109.8 E	VERT		124	38	62	EINTHOVEN
1739	4.2 S	108.6 E	VERT		124	38	63	EINTHOVEN
1740	3.8 S	107.4 E	VERT		124	38	64	EINTHOVEN
1741	3.3 S	106.1 E	VERT		124	38	65	SAHA
1742	2.9 S	105.1 E	VERT		124	38	66	SAHA
1743	2.6 S	104.0 E	VERT		124	38	67	SAHA
1744	2.2 S	102.8 E	VERT		124	38	69	SAHA
1745	1.7 S	101.6 E	VERT		124	38	70	SAHA
1746	1.3 S	100.3 E	VERT		124	38	71	SAHA, WYLD
1747	.9 S	99.3 E	VERT		124	38	72	WYLD
1748	.5 S	98.0 E	VERT		124	38	74	WYLD, PURKYNE
1749	.1 S	96.8 E	VERT		124	38	75	WYLD, PURKYNE
1750	.4 N	95.5 E	VERT		123	38	76	WYLD, PURKYNE
1751	.8 N	94.4 E	VERT		123	38	77	PURKYNE, BABCOCK
1752	1.2 N	93.4 E	VERT		123	38	78	PURKYNE, BABCOCK
1753	1.5 N	92.2 E	VERT		123	38	79	BABCOCK
1754	1.8 N	91.3 E	VERT		123	38	79	BABCOCK, SMYTH'S SEA
1755	2.3 N	90.0 E	VERT		123	38	81	SMYTH'S SEA
1756	2.8 N	88.6 E	VERT		123	38	82	SMYTH'S SEA, NEPER K
1757	3.2 N	87.5 E	VERT		122	38	83	SMYTH'S SEA, NEPER K
1758	3.6 N	86.3 E	VERT		122	38	83	SMYTH'S SEA, NEPER K
1759	4.1 N	85.0 E	VERT		122	38	84	SMYTH'S SEA, NEPER, K
1760	4.5 N	83.7 E	VERT		122	38	84	NEPER, K, SCHUBERT
1761	4.9 N	82.5 E	VERT		122	38	84	NEPER, K, SCHUBERT
1762	5.5 N	81.2 E	VERT		121	38	84	SCHUBERT, BANACHIEWICZ
1763	5.8 N	80.3 E	VERT		121	38	84	SCHUBERT, BANACHIEWICZ
1764	6.2 N	79.1 E	VERT		121	38	83	SCHUBERT, BANACHIEWICZ
1765	6.5 N	78.0 E	VERT		121	38	82	BANACHIEWICZ
1766	7.0 N	76.7 E	VERT		121	38	81	BANACHIEWICZ, F
1767	7.4 N	75.5 E	VERT		120	38	80	BANACHIEWICZ E, CONDORCET F
1768	7.9 N	74.6 E	VERT		120	38	79	BANACHIEWICZ E, CONDORCET F
1769	8.4 N	73.3 E	VERT		120	38	78	CONDORCET F
1770	8.9 N	72.1 E	VERT		120	38	77	CONDORCET, F, P
1771	9.2 N	70.8 E	VERT		120	38	75	CONDORCET, P
1772	9.8 N	69.5 E	VERT		119	38	74	CONDORCET, P
1773	10.2 N	68.3 E	VERT		119	38	73	CONDORCET, P

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1774	10.4 N	67.2 E	VERT		119	38	72	CONDORCET, AUZOUT
1775	10.8 N	65.9 E	VERT		119	38	71	CONDORCET, AUZOUT
1776	11.1 N	64.6 E	VERT		118	38	70	AUZOUT, A
1777	11.6 N	63.3 E	VERT		118	38	68	AUZOUT, A
1778	12.0 N	62.0 E	VERT		118	38	67	AUZOUT, A, PICARD X, Y
1779	12.5 N	60.9 E	VERT		117	38	66	PICARD X, Y, CRISES, SEA OF
1780	12.8 N	59.7 E	VERT		117	38	65	PICARD X, Y, CRISES, SEA OF
1781	13.1 N	58.5 E	VERT		117	38	63	PICARD Y, Z, CRISES, SEA OF
1782	13.3 N	57.3 E	VERT		117	38	62	PICARD, Z, CRISES, SEA OF
1783	13.5 N	56.0 E	VERT		116	38	61	PICARD, Z, CRISES, SEA OF
1784	13.8 N	54.6 E	VERT		116	38	60	PICARD, LICK, CRISES, SEA OF
1785	14.1 N	53.3 E	VERT		116	38	59	PICARD, LICK
1786	14.4 N	51.9 E	VERT		115	38	57	LICK, YERKES
1787	14.7 N	50.6 E	VERT		115	38	56	LICK, YERKES, GLAISHER
1788	15.0 N	49.4 E	VERT		115	38	55	YERKES, PROCLUS
1789	15.4 N	48.1 E	VERT		115	38	53	PROCLUS
1790	15.7 N	46.7 E	VERT		114	38	52	PROCLUS, F
1791	16.0 N	45.4 E	VERT		114	38	51	PROCLUS, F
1792	16.3 N	44.2 E	VERT		114	38	50	PROCLUS, F
1793	16.6 N	42.6 E	VERT		113	38	48	PROCLUS D, FRANZ
1794	16.8 N	41.4 E	VERT		113	38	47	PROCLUS D, FRANZ
1795	17.0 N	40.2 E	VERT		113	38	46	PROCLUS D, FRANZ
1796	17.2 N	39.1 E	VERT		112	38	45	FRANZ, MARALDI M, F
1797	17.4 N	37.9 E	VERT		112	38	43	FRANZ, MARALDI M, F
1798	17.7 N	36.3 E	VERT		112	38	42	MARALDI, VITRUVIUS A
1799	17.8 N	35.1 E	VERT		111	38	41	MARALDI, VITRUVIUS A
1800	18.0 N	33.6 E	VERT		111	38	40	MARALDI, VITRUVIUS, A
1801	18.1 N	32.5 E	VERT		111	38	38	MARALDI, VITRUVIUS, A
1802	18.4 N	30.9 E	VERT		110	38	37	VITRUVIUS, A
1803	18.6 N	29.9 E	VERT		110	38	36	VITRUVIUS
1804	18.6 N	28.3 E	VERT		110	38	34	VITRUVIUS, E, DAWES
1805	18.8 N	26.9 E	VERT		110	38	33	DAWES, PLINIUS RILLES
1806	19.0 N	25.8 E	VERT		109	38	32	DAWES, PLINIUS RILLES
1807	19.3 N	24.9 E	VERT		109	38	31	DAWES, PLINIUS RILLES
1808	18.9 N	23.4 E	VERT		109	38	30	PLINIUS RILLES, DESEILLIGNY
1809	19.0 N	22.5 E	VERT		108	38	29	PLINIUS RILLES, DESEILLIGNY
1810	18.9 N	21.1 E	VERT		108	38	28	DESEILLIGNY, BESSEL
1811	18.8 N	19.6 E	VERT		108	38	26	DESEILLIGNY, BESSEL
1812	19.0 N	17.5 E	VERT		107	38	24	DESEILLIGNY, BESSEL, E
1813	19.5 N	16.3 E	VERT		107	38	23	BESSEL, E

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1814	19.6 N	14.8 E	VERT		107	38	22	BESSEL, E
1815	19.8 N	13.3 E	VERT		106	38	20	BESSEL E, SULPICIUS GALLUS
1816	19.8 N	11.9 E	VERT		106	38	19	SULPICIUS GALLUS, RILLES
1817	19.8 N	10.5 E	VERT		106	38	18	SULPICIUS GALLUS, RILLES
1818	19.9 N	9.2 E	VERT		105	38	16	SULPICIUS GALLUS, RILLES
1819	20.1 N	8.0 E	VERT		105	38	15	SULPICIUS GALLUS RILLES, G
1820	20.0 N	6.7 E	VERT		105	38	14	SULPICIUS GALLUS RILLES, G
1821	20.1 N	5.2 E	VERT		105	38	13	SULPICIUS GALLUS G, ARATUS A
1822	20.0 N	4.0 E	VERT		104	38	12	ARATUS A, CONON
1823	19.9 N	2.5 E	VERT		104	38	10	ARATUS A, CONON
1824	19.9 N	1.2 E	VERT		104	38	9	CONON, W
1825	19.8 N	.4 W	VERT		103	38	7	CONON, APENNINE MTS
1826	19.7 N	1.5 W	VERT		103	38	6	APENNINE MTS, MARCO POLO B, H
1827	19.7 N	3.1 W	VERT		103	38	5	APENNINE MTS, WALLACE A, B
1828	19.6 N	4.4 W	VERT		103	38	4	APENNINE MTS, WALLACE A, B
1829	19.6 N	5.7 W	VERT		102	38	2	WALLACE, A, B
1830	19.5 N	7.0 W	VERT		102	38	1	WALLACE, A, B
1831	19.4 N	8.4 W	VERT		102	38	0	WALLACE, ERATOSTHENES A, B
1832						38		1832-1833 TERMINATOR, PARTLY ILLUMINATED
1834								1834-1954 DARK
1955								1955-1965 DARK, LENS COVER IN VIEW
1966	19.4 S	172.0 E	VERT			39		1966-1972 FARSIDE TERMINATOR, PARTLY ILLUMINATED
1973						49		1973-1978 DARK, LENS COVER IN VIEW
1979						49		1979-1980 TERMINATOR, PARTLY ILLUMINATED
1981	22.1 S	162.4 E	VERT		116	49	-1	CYRANO, E OF
1982	21.9 S	160.9 E	VERT		116	49	0	CYRANO, E WALL
1983	21.6 S	159.5 E	VERT		116	49	1	CYRANO
1984	21.3 S	158.4 E	VERT		116	49	2	CYRANO
1985	21.1 S	157.2 E	VERT		116	49	3	CYRANO
1986	21.0 S	155.8 E	VERT		116	49	5	CYRANO, GAGARIN, E WALL
1987	20.7 S	154.3 E	VERT		116	49	6	GAGARIN
1988	20.5 S	152.7 E	VERT		116	49	7	GAGARIN
1989	20.3 S	151.4 E	VERT		116	49	9	GAGARIN
1990	19.9 S	150.1 E	VERT		116	49	10	GAGARIN
1991	19.7 S	148.8 E	VERT		116	49	11	GAGARIN
1992	19.4 S	147.5 E	VERT		116	49	12	GAGARIN
1993	19.1 S	146.2 E	VERT		116	49	14	GAGARIN
1994	18.9 S	144.9 E	VERT		116	49	15	GAGARIN, DENNING
1995	18.6 S	143.4 E	VERT		116	49	16	DENNING
1996	18.2 S	142.1 E	VERT		116	49	17	DENNING, PIRQUET

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1997	17.9 S	140.8 E	VERT		116	49	19	DENNING, PIRQUET
1998	17.6 S	139.6 E	VERT		116	49	20	DENNING, PIRQUET
1999	17.1 S	138.3 E	VERT		116	49	21	DENNING, W OF
2000	16.6 S	137.0 E	VERT		116	49	23	DENNING, W OF
2001	16.3 S	135.7 E	VERT		116	49	24	DENNING, W OF
2002	15.8 S	134.4 E	VERT		116	49	25	DENNING, W OF
2003	15.5 S	133.3 E	VERT		116	49	26	DENNING, W OF
2004	15.3 S	132.0 E	VERT		116	49	27	DANJON, E OF
2005	14.9 S	130.7 E	VERT		116	49	29	DANJON, E OF
2006	14.5 S	129.5 E	VERT		116	49	30	DANJON, E OF
2007	14.1 S	128.2 E	VERT		116	49	31	DANJON, E OF
2008	13.7 S	126.9 E	VERT		116	49	33	DANJON, E RIM
2009	13.3 S	125.7 E	VERT		116	49	34	DANJON
2010	12.8 S	124.3 E	VERT		116	49	35	DANJON
2011	12.4 S	123.0 E	VERT		116	49	37	DANJON
2012	11.9 S	121.9 E	VERT		116	49	38	DANJON, LANGEMAK
2013	11.5 S	120.7 E	VERT		116	49	39	LANGEMAK
2014	11.1 S	119.4 E	VERT		116	49	41	LANGEMAK
2015	10.6 S	118.2 E	VERT		116	49	42	LANGEMAK
2016	10.2 S	117.0 E	VERT		116	49	43	LANGEMAK
2017	9.8 S	115.6 E	VERT		116	49	44	LANGEMAK, W RIM, MEITNER
2018	9.3 S	114.5 E	VERT		116	49	45	MEITNER
2019	8.8 S	113.2 E	VERT		116	49	47	MEITNER
2020	8.3 S	112.1 E	VERT		116	49	48	MEITNER, EINTHOVEN
2021	7.9 S	110.9 E	VERT		116	49	49	EINTHOVEN
2022	7.4 S	109.8 E	VERT		116	49	50	EINTHOVEN
2023	7.0 S	108.9 E	VERT		116	49	51	EINTHOVEN
2024	6.5 S	107.7 E	VERT		116	49	52	EINTHOVEN
2025	6.0 S	106.3 E	VERT		116	49	54	EINTHOVEN, W RIM
2026	5.5 S	105.2 E	VERT		116	49	55	SAHA, E WALL
2027	5.0 S	104.0 E	VERT		116	49	56	SAHA
2028	4.5 S	102.8 E	VERT		116	49	57	SAHA
2029	3.9 S	101.6 E	VERT		116	49	59	SAHA
2030	3.4 S	100.5 E	VERT		116	49	60	SAHA, WYLD
2031	2.7 S	99.3 E	VERT		116	49	61	SAHA, W RIM, WYLD
2032	2.2 S	98.4 E	VERT		116	49	62	SAHA
2033	1.7 S	97.1 E	VERT		116	49	63	SAHA, PURKYNE
2034	1.4 S	95.9 E	VERT		116	49	64	SAHA, PURKYNE
2035	.9 S	95.0 E	VERT		116	49	65	PURKYNE
2036	.6 S	94.0 E	VERT		116	49	67	PURKYNE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2037	.0	93.0 E	VERT		116	49	68	SMYTH'S SEA
2038	.3 N	91.3 E	VERT		116	49	69	SMYTH'S SEA
2039	.9 N	89.9 E	VERT		116	49	70	SMYTH'S SEA
2040	1.5 N	88.7 E	VERT		116	49	71	SMYTH'S SEA
2041	1.9 N	87.8 E	VERT		116	49	72	SMYTH'S SEA, NEPER K
2042	2.4 N	86.5 E	VERT		116	49	73	SMYTH'S SEA, NEPER K
2043	2.9 N	85.3 E	VERT		116	49	75	SMYTH'S SEA, NEPER K
2044	3.4 N	84.2 E	VERT		116	49	76	NEPER K, SCHUBERT
2045	3.9 N	82.9 E	VERT		116	49	77	NEPER K, SCHUBERT
2046	4.4 N	81.7 E	VERT		116	49	78	SCHUBERT, BANACHIEWICZ
2047	4.9 N	80.4 E	VERT		116	49	79	SCHUBERT, BANACHIEWICZ
2048	5.3 N	79.5 E	VERT		116	49	80	BANACHIEWICZ
2049	5.8 N	78.2 E	VERT		116	49	80	BANACHIEWICZ, B
2050	6.3 N	76.9 E	VERT		116	49	80	BANACHIEWICZ, E
2051	6.7 N	75.8 E	VERT		116	49	81	BANACHIEWICZ E, CONDORCET F
2052	7.1 N	74.8 E	VERT		116	49	81	BANACHIEWICZ E, CONDORCET F
2053	7.6 N	73.7 E	VERT		116	49	81	CONDORCET F
2054	8.2 N	72.4 E	VERT		116	49	81	CORDORCET F, P
2055	8.7 N	71.3 E	VERT		116	49	81	CONDORCET, P
2056	9.3 N	70.0 E	VERT		116	49	80	CONDORCET, P
2057	9.8 N	68.7 E	VERT		116	49	79	CONDORCET, AUZOUT B
2058	10.3 N	67.6 E	VERT		116	49	79	CONDORCET, AUZOUT
2059	10.6 N	66.4 E	VERT		116	49	78	CONDORCET, AUZOUT B
2060	11.0 N	65.2 E	VERT		116	49	77	AUZOUT
2061	11.6 N	63.9 E	VERT		116	49	76	AUZOUT, PICARD X
2062	12.0 N	62.6 E	VERT		116	49	75	PICARD X, Y, CRISES, SEA OF
2063	12.5 N	61.4 E	VERT		116	49	74	PICARD X, Y, CRISES, SEA OF
2064	12.9 N	60.0 E	VERT		116	49	73	PICARD X, Y, CRISES, SEA OF
2065	13.3 N	58.8 E	VERT		116	49	72	PICARD Y, CRISES, SEA OF
2066	13.7 N	57.6 E	VERT		116	49	71	PICARD, CRISES, SEA OF
2067	14.0 N	56.4 E	VERT		116	49	70	PICARD, CRISES, SEA OF
2068	14.4 N	55.3 E	VERT		116	49	69	PICARD, LICK
2069	14.8 N	54.0 E	VERT		116	49	68	PICARD, LICK, YERKES
2070	15.1 N	52.8 E	VERT		116	49	66	LICK, YERKES
2071	15.5 N	51.4 E	VERT		116	49	65	YERKES
2072	16.0 N	50.2 E	VERT		116	49	64	PROCLUS, E WALL
2073	16.3 N	48.8 E	VERT		116	49	63	PROCLUS
2074	16.7 N	47.6 E	VERT		116	49	62	PROCLUS
2075	17.1 N	46.2 E	VERT		116	49	60	PROCLUS
2076	17.5 N	45.0 E	VERT		116	49	60	PROCLUS, W OF, MACROBIUS D

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO ASI7-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2077	17.9 N	43.6 E	VERT		116	49	58	PROCLUS D, Z
2078	18.2 N	42.3 E	VERT		116	49	57	FRANZ, MACROBIUS A, B
2079	18.5 N	40.9 E	VERT		116	49	55	FRANZ, MACROBIUS A, B
2080	18.8 N	39.7 E	VERT		116	49	54	FRANZ, MACROBIUS A, B
2081	19.1 N	38.3 E	VERT		116	49	53	MACROBIUS A, B
2082	19.3 N	37.1 E	VERT		116	49	51	MARALDI, VITRUVIUS A
2083	19.6 N	35.8 E	VERT		116	49	50	MARALDI, VITRUVIUS A
2084	19.9 N	34.4 E	VERT		116	49	49	MARALDI, VITRUVIUS, A
2085	20.2 N	33.0 E	VERT		116	49	48	APOLLO 17 LANDING SITE
2086	20.5 N	31.8 E	VERT		116	49	47	APOLLO 17 LANDING SITE
2087	20.8 N	30.4 E	VERT		116	49	45	APOLLO 17 LANDING SITE
2088	21.1 N	29.0 E	VERT		116	49	44	LITTROW B, SERENITY, SEA OF
2089	21.4 N	27.6 E	VERT		116	49	43	LITTROW B, SERENITY, SEA OF
2090	21.5 N	26.3 E	VERT		116	49	42	LE MONNIER C, SERENITY, SEA OF
2091	21.7 N	25.1 E	VERT		116	49	41	LE MONNIER C, SERENITY, SEA OF
2092	21.8 N	24.0 E	VERT		116	49	39	DESEILLIGNY, BESSEL A
2093	22.0 N	22.6 E	VERT		116	49	38	DESEILLIGNY, BESSEL A
2094	22.1 N	21.0 E	VERT		116	49	37	DESEILLIGNY, BESSEL A
2095	22.0 N	19.6 E	VERT		116	49	36	DESEILLIGNY, BESSEL A
2096	22.1 N	18.1 E	VERT		116	49	34	BESSEL, A
2097	22.2 N	16.7 E	VERT		116	49	33	BESSEL, E
2098	22.5 N	15.2 E	VERT		116	49	32	BESSEL, W OF, SERENITY, SEA OF
2099	22.5 N	14.0 E	VERT		116	49	30	BESSEL, W OF, SERENITY, SEA OF
2100	22.6 N	12.6 E	VERT		116	49	29	SULPICIUS GALLUS RILLES
2101	22.7 N	11.2 E	VERT		116	49	28	SULPICIUS GALLUS RILLES, ARATUS C, D
2102	22.8 N	9.9 E	VERT		116	49	27	SULPICIUS GALLUS RILLES, ARATUS C, D
2103	22.9 N	8.5 E	VERT		116	49	25	SULPICIUS GALLUS RILLES, ARATUS C, D
2104	22.9 N	7.1 E	VERT		116	49	24	ARATUS, A
2105	23.0 N	5.7 E	VERT		116	49	23	ARATUS, A, HADLEY RILLE
2106	23.2 N	4.2 E	VERT		116	49	22	HADLEY RILLE, CONON
2107	23.3 N	2.9 E	VERT		116	49	20	HADLEY RILLE, CONON
2108	23.3 N	1.5 E	VERT		116	49	19	HADLEY RILLE, CONON
2109	23.2 N	.0	VERT		116	49	18	APPENINE MTS, BRADLEY RILLE
2110	23.2 N	1.4 W	VERT		116	49	16	APPENINE MTS, BRADLEY RILLE
2111	23.2 N	2.7 W	VERT		116	49	15	BRADLEY RILLE, RAINS, SEA OF
2112	23.1 N	4.1 W	VERT		116	49	14	ARCHIMEDES N, RAINS, SEA OF
2113	23.0 N	5.5 W	VERT		116	49	13	ARCHIMEDES F, W, RAINS, SEA OF
2114	23.0 N	7.0 W	VERT		116	49	11	WALLACE, RAINS, SEA OF
2115	22.9 N	8.3 W	VERT		116	49	10	WALLACE, RAINS, SEA OF
2116	22.9 N	9.7 W	VERT		116	49	9	WALLACE, RAINS, SEA OF

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2117	22.6 N	11.1 W	VERT		116	49	8	TIMOCHARIS K, RAINS, SEA OF
2118	22.5 N	12.5 W	VERT		116	49	6	TIMOCHARIS A, C, RAINS, SEA OF
2119	22.3 N	13.8 W	VERT		116	49	5	TIMOCHARIS A, C, RAINS, SEA OF
2120	22.1 N	15.0 W	VERT		116	49	4	TIMOCHARIS A, C, RAINS, SEA OF
2121	21.9 N	16.7 W	VERT		116	49	3	TIMOCHARIS A, PYTHEAS G, H
2122	21.8 N	17.8 W	VERT		116	49	1	PYTHEAS, G, H
2123	21.6 N	19.2 W	VERT		116	49	0	PYTHEAS, G
2124								2124-2150 DARK
2151						62		2151-2155 TERMINATOR, PARTLY ILLUMINATED
2156	21.5 S	144.7 E	7	277	115	62	3	LEVI-CIVITA, GAGARIN, W RIM
2157	21.1 S	143.0 E	8	277	115	62	4	LEVI-CIVITA, GAGARIN, W RIM
2158	20.7 S	141.3 E	9	277	115	62	5	LEVI-CIVITA, PIRQUET
2159	20.4 S	140.0 E	10	280	115	62	7	LEVI-CIVITA, PIRQUET
2160	20.1 S	139.0 E	11	283	115	62	8	PIRQUET
2161	19.8 S	137.7 E	12	284	114	62	9	PIRQUET
2162	19.5 S	136.1 E	14	283	114	62	11	PIRQUET, W RIM
2163	19.2 S	134.8 E	15	283	114	62	12	TSIOLKOVSKY
2164	19.0 S	133.6 E	17	283	114	62	13	TSIOLKOVSKY
2165	18.6 S	132.1 E	18	283	114	62	15	TSIOLKOVSKY
2166	18.2 S	130.4 E	19	283	114	62	16	TSIOLKOVSKY
2167	17.9 S	129.0 E	21	284	114	62	18	TSIOLKOVSKY
2168	17.5 S	127.2 E	22	284	114	62	19	TSIOLKOVSKY
2169	17.3 S	126.2 E	23	284	114	62	20	TSIOLKOVSKY, LUTKE
2170	16.9 S	125.0 E	25	285	114	62	21	LUTKE, DELPORTE
2171	16.5 S	123.5 E	26	285	114	62	23	LUTKE, DELPORTE
2172	16.2 S	122.1 E	27	285	114	62	24	LUTKE, DELPORTE
2173	15.7 S	120.7 E	28	286	114	62	25	LUTKE, DELPORTE
2174	15.2 S	119.2 E	29	288	114	62	27	DELPORTE, KONDRATYUK
2175	14.8 S	117.9 E	31	288	114	62	28	KONDRATYUK, MEITNER
2176	14.4 S	116.8 E	32	288	114	62	30	KONDRATYUK, MEITNER
2177	13.9 S	115.4 E	33	289	114	62	31	KONDRATYUK, MEITNER, KHWOLSON
2178	13.5 S	113.9 E	34	289	114	62	32	KONDRATYUK, MEITNER, KHWOLSON
2179	13.1 S	112.6 E	36	289	114	62	34	KONDRATYUK, MEITNER, KHWOLSON
2180	12.6 S	111.2 E	37	289	114	62	35	MEITNER, KHWOLSON, PASTEUR
2181	12.2 S	109.9 E	38	290	114	62	36	MEITNER, KHWOLSON, PASTEUR
2182	11.7 S	108.7 E	39	290	114	62	38	PASTEUR
2183	11.2 S	107.2 E	41	290	113	62	39	PASTEUR
2184	10.7 S	105.9 E	42	290	113	62	41	PASTEUR
2185	10.2 S	104.4 E	43	290	117	62	42	PASTEUR
2186	9.6 S	103.0 E	45	291	117	62	44	PASTEUR, GANSKY

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2187	9.1 S	101.8 E	46	291	117	62	45	PASTEUR, GANSKY
2188	8.5 S	100.5 E	47	291	117	62	46	GANSKY, HIRAYAMA
2189	7.9 S	99.1 E	48	291	117	62	48	GANSKY, HIRAYAMA
2190	7.2 S	97.8 E	50	292	117	62	49	GANSKY, HIRAYAMA
2191	6.7 S	96.3 E	51	292	117	62	51	GANSKY, HIRAYAMA
2192	6.2 S	94.5 E	52	292	117	62	52	HIRAYAMA, MANEUVER TO VERTICAL
2193	5.9 S	94.1 E	49	292	117	62	53	HIRAYAMA
2194	5.7 S	93.7 E	45	293	117	62	53	HIRAYAMA
2195	5.4 S	92.9 E	40	293	117	62	54	HIRAYAMA
2196	5.0 S	92.2 E	37	293	117	62	55	HIRAYAMA
2197	4.7 S	91.3 E	33	292	117	62	56	HIRAYAMA
2198	4.4 S	90.5 E	30	295	117	62	57	HIRAYAMA, TAPE IN FRAME
2199	4.2 S	89.6 E	26	295	117	62	57	SMYTH'S SEA, TAPE IN FRAME
2200	3.8 S	88.6 E	22	293	113	62	59	SMYTH'S SEA
2201	3.3 S	87.6 E	18	294	113	62	60	SMYTH'S SEA
2202	3.0 S	86.9 E	15	295	113	62	60	SMYTH'S SEA
2203	2.7 S	85.9 E	11	295	113	62	61	SMYTH'S SEA
2204	2.2 S	85.0 E	7	295	113	62	62	SMYTH'S SEA
2205	1.9 S	84.0 E	3		113	62	63	SMYTH'S SEA
2206	1.3 S	82.5 E	VERT		113	62	65	SMYTH'S SEA
2207	.8 S	81.7 E	VERT		113	62	66	SCHUBERT B, GILBERT U
2208	.4 S	80.8 E	VERT		113	62	67	SCHUBERT B, GILBERT U
2209	.1 N	79.7 E	VERT		113	62	68	SCHUBERT B, GILBERT U
2210	.8 N	78.3 E	VERT		113	62	69	SCHUBERT B, GILBERT U
2211	1.3 N	77.3 E	VERT		113	62	70	GILBERT M, SCHUBERT Y
2212	1.8 N	76.1 E	VERT		113	62	71	SCHUBERT Y
2213	2.3 N	75.1 E	VERT		113	62	72	SCHUBERT Y, DUBIAGO S
2214	2.9 N	73.8 E	VERT		113	62	73	SCHUBERT Y, DUBIAGO S
2215	3.4 N	72.8 E	VERT		113	62	74	DUBIAGO, S
2216	3.7 N	71.9 E	VERT		113	62	75	DUBIAGO, S
2217	4.2 N	70.9 E	VERT		113	62	76	DUBIAGO
2218	4.7 N	69.7 E	VERT		113	62	76	DUBIAGO
2219	5.2 N	68.5 E	VERT		113	62	77	DUBIAGO
2220	5.8 N	67.1 E	VERT		113	62	78	FIRMICUS A
2221	6.5 N	65.3 E	VERT		112	62	79	FIRMICUS, A
2222	6.9 N	64.2 E	VERT		112	62	79	FIRMICUS, A
2223	7.4 N	63.0 E	VERT		112	62	80	FIRMICUS, A
2224	7.8 N	61.9 E	VERT		112	62	80	FIRMICUS, APOLLONIUS
2225	8.3 N	60.7 E	VERT		112	62	80	FIRMICUS, APOLLONIUS, F
2226	8.6 N	59.5 E	VERT		112	62	80	APOLLONIUS F, AUZOUT S

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2227	9.1 N	58.2 E	VERT		112	62	80	AUZOUT G, PICARD H
2228	9.5 N	57.0 E	VERT		112	62	79	PICARD H
2229	10.0 N	55.9 E	VERT		112	62	79	PICARD H, J
2230	10.4 N	54.8 E	VERT		112	62	79	PICARD H, J
2231	10.9 N	53.3 E	VERT		112	62	78	LICK, D
2232	11.2 N	52.5 E	VERT		112	62	77	LICK, D
2233	11.7 N	51.2 E	VERT		112	62	76	LICK, D, GLAISHER
2234	12.0 N	50.1 E	VERT		112	62	75	GLAISHER, A
2235	12.5 N	48.8 E	VERT		112	62	74	GLAISHER, A
2236	12.9 N	47.6 E	VERT		113	62	73	GLAISHER, X
2237	13.4 N	46.3 E	VERT		113	62	72	GLAISHER X, PROCLUS F
2238	13.9 N	45.0 E	VERT		113	62	71	PROCLUS A, C, F
2239	14.4 N	43.6 E	VERT		113	62	70	PROCLUS A, C, F
2240	14.7 N	42.4 E	VERT		113	62	69	PROCLUS A, LYELL, D
2241	15.2 N	41.1 E	VERT		113	62	67	PROCLUS A, LYELL, D
2242	15.7 N	39.9 E	VERT		113	62	66	LYELL, D, FRANZ
2243	16.0 N	38.7 E	VERT		113	62	65	FRANZ, MARALDI M, D
2244	16.4 N	37.5 E	VERT		113	62	64	MARALDI M, D
2245	16.8 N	36.3 E	VERT		113	62	63	MARALDI, M, D
2246	17.2 N	34.9 E	VERT		113	62	62	MARALDI, D, VITRUVIUS A
2247	17.5 N	33.6 E	VERT		113	62	60	MARALDI, VITRUVIUS, A
2248	17.9 N	32.0 E	VERT		113	62	59	MARALDI, VITRUVIUS, A
2249	18.2 N	30.9 E	VERT		113	62	58	VITRUVIUS, A
2250	18.3 N	29.6 E	VERT		113	62	57	VITRUVIUS, E, DAWES
2251	18.7 N	28.2 E	VERT		113	62	56	VITRUVIUS, E, DAWES
2252	19.0 N	26.8 E	VERT		113	62	54	VITRUVIUS, E, DAWES
2253	19.1 N	25.8 E	VERT		113	62	53	DAWES, PLINIUS RILLES
2254	19.3 N	25.0 E	VERT		113	62	53	DAWES, PLINIUS RILLES
2255	19.5 N	23.8 E	VERT		113	62	51	PLINIUS RILLES, DESEILLIGNY
2256	19.8 N	22.2 E	VERT		113	62	50	PLINIUS RILLES, DESEILLIGNY
2257	20.0 N	21.2 E	VERT		113	62	49	DESEILLIGNY, BESSEL
2258	20.4 N	19.6 E	VERT		113	62	48	DESEILLIGNY, BESSEL
2259	20.8 N	17.8 E	VERT		113	62	46	DESEILLIGNY, BESSEL, E
2260	20.9 N	16.5 E	VERT		113	62	45	BESSEL, E
2261	21.2 N	15.1 E	VERT		113	62	43	BESSEL, E
2262	21.4 N	13.8 E	VERT		113	62	42	BESSEL E, SULPICIUS GALLUS
2263	21.7 N	12.4 E	VERT		113	62	40	SULPICIUS GALLUS, RILLES
2264	21.9 N	11.0 E	VERT		113	62	39	SULPICIUS GALLUS, RILLES
2265	22.1 N	9.5 E	VERT		113	62	38	SULPICIUS GALLUS, RILLES
2266	22.3 N	8.2 E	VERT		113	62	37	SULPICIUS GALLUS RILLES

APOLLO 17
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NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2267	22.4 N	6.9 E	VERT		113	62	36	SULPICIUS GALLUS RILLES, ARATUS, A
2268	22.7 N	5.2 E	VERT		113	62	35	ARATUS, A
2269	22.8 N	3.7 E	VERT		113	62	33	ARATUS, CONON, HADLEY RILLE
2270	22.9 N	2.4 E	VERT		113	62	32	ARATUS, CONON, HADLEY RILLE
2271	22.9 N	1.5 E	VERT		113	62	31	CONON, HADLEY RILLE
2272	23.0 N	.0	VERT		113	62	30	CONON, HADLEY, BRADLEY RILLES
2273	23.0 N	1.5 W	VERT		114	62	28	BRADLEY RILLE
2274	23.1 N	3.0 W	VERT		114	62	27	BRADLEY RILLE, ARCHIMEDES N
2275	23.1 N	4.3 W	VERT		114	62	26	ARCHIMEDES N, W
2276	23.1 N	5.6 W	VERT		114	62	25	ARCHIMEDES H, N, W
2277	23.0 N	7.1 W	VERT		114	62	23	ARCHIMEDES H, WALLACE
2278	23.0 N	8.5 W	VERT		114	62	22	ARCHIMEDES H, WALLACE
2279	23.0 N	9.9 W	VERT		114	62	21	ARCHIMEDES H, WALLACE
2280	23.0 N	11.1 W	VERT		114	62	19	WALLACE, TIMOCHARIS C
2281	23.0 N	12.8 W	VERT		114	62	18	TIMOCHARIS A, C
2282	22.9 N	14.2 W	VERT		114	62	17	TIMOCHARIS A, C
2283	22.9 N	15.3 W	VERT		114	62	17	TIMOCHARIS A, C
2284	22.9 N	16.6 W	VERT		114	62	16	TIMOCHARIS A, C
2285	22.9 N	18.0 W	VERT		114	62	15	PYTHEAS, LAMBERT
2286	22.9 N	19.4 W	VERT		114	62	13	PYTHEAS, LAMBERT
2287	22.9 N	20.7 W	VERT		114	62	11	PYTHEAS, LAMBERT
2288	22.7 N	22.1 W	VERT		114	62	10	PYTHEAS, LAMBERT
2289	22.6 N	23.3 W	VERT		114	62	8	PYTHEAS, LAMBERT
2290	22.6 N	25.0 W	VERT		114	62	7	EULER, W OF
2291	22.4 N	26.4 W	VERT		114	62	5	EULER
2292	22.3 N	27.7 W	VERT		114	62	4	EULER
2293	22.1 N	29.0 W	VERT		114	62	3	EULER, P
2294	22.0 N	30.9 W	VERT		114	62	2	EULER, P
2295	21.8 N	31.9 W	VERT		115	62	1	EULER P, BRAYLEY D
2296						62		2296-2298 TERMINATOR, PARTLY ILLUMINATED
2299								2299-2343 DARK
2344						65		2344-2346 TERMINATOR, PARTLY ILLUMINATED
2347	18.6 S	144.3 E	40	20	118	65	0	PIRQUET, E OF
2348	18.5 S	143.2 E	40	20	118	65	1	PIRQUET, E WALL
2349	18.3 S	142.3 E	40	20	118	65	2	PIRQUET
2350	18.0 S	141.0 E	40	20	118	65	3	PIRQUET
2351	17.7 S	139.5 E	40	20	118	65	5	PIRQUET
2352						65		TRIPLE EXPOSED, GAP IN COVERAGE
2353	7.5 S	103.6 E	40	20	116	65	40	PASTEUR
2354	7.1 S	102.3 E	40	21	116	65	42	PASTEUR

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MAPPING CAMERA PHOTOGRAPHS
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NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2355	6.6 S	100.9 E	40	20	116	65	43	PASTEUR, SAHA
2356	6.1 S	99.8 E	40	20	116	65	44	SAHA, WYLD
2357	5.2 S	98.7 E	40	20	116	65	46	SAHA, WYLD
2358	4.6 S	97.5 E	41	20	116	65	47	WYLD, HIRAYAMA
2359	4.1 S	96.0 E	40	20	116	65	48	WYLD, HIRAYAMA
2360	3.5 S	94.5 E	40	21	116	65	50	HIRAYAMA, PURKYNE
2361	3.1 S	93.3 E	40	20	116	65	51	HIRAYAMA, PURKYNE
2362	2.6 S	92.2 E	40	20	116	65	52	HIRAYAMA, PURKYNE
2363	2.2 S	91.0 E	40	20	116	65	53	HIRAYAMA, PURKYNE
2364	1.7 S	89.7 E	40	21	116	65	55	SMYTH'S SEA
2365	1.1 S	88.3 E	40	23	112	65	56	SMYTH'S SEA
2366	.6 S	87.2 E	40	23	112	65	57	SMYTH'S SEA
2367	.2 S	86.0 E	40	23	112	65	59	SMYTH'S SEA
2368	.3 N	84.5 E	40	23	112	65	60	SMYTH'S SEA, SCHUBERT
2369	.8 N	83.3 E	40	23	112	65	61	SMYTH'S SEA, SCHUBERT, B
2370	1.3 N	82.1 E	40	23	112	65	62	SMYTH'S SEA, SCHUBERT, B
2371	1.6 N	80.7 E	40	22	112	65	63	SCHUBERT, B
2372	1.6 N	79.1 E	33	22	112	65	65	SCHUBERT, B
2373	1.3 N	77.4 E	18	24	112	65	67	SCHUBERT Y
2374	1.3 N	75.7 E	5	27	112	65	69	SCHUBERT Y
2375	.6 N	74.2 E	8	203	112	65	70	SCHUBERT Y
2376	.3 N	72.7 E	22	204	112	65	72	MACLAURIN, C, L
2377	.1 S	70.5 E	35	204	112	65	74	MACLAURIN, C, L
2378	.0	69.4 E	40	203	112	65	75	MACLAURIN
2379	.5 N	68.1 E	40	203	112	65	76	MACLAURIN
2380	.9 N	67.1 E	40	202	112	65	77	MACLAURIN, DUBIAGO P, Q
2381	1.4 N	65.5 E	40	202	112	65	78	DUBIAGO P, Q
2382	2.0 N	64.3 E	40	202	112	65	80	APOLLONIUS G, S
2383	2.6 N	63.0 E	40	202	112	65	81	APOLLONIUS G, S
2384	3.1 N	61.7 E	40	203	112	65	82	APOLLONIUS
2385	3.8 N	60.4 E	40	203	112	65	83	APOLLONIUS, WEBB, P
2386	4.3 N	59.0 E	40	203	112	65	83	APOLLONIUS, WEBB, P
2387	4.7 N	57.7 E	40	203	112	65	84	APOLLONIUS K, WEBB, P
2388	5.4 N	56.3 E	40	203	112	65	84	APOLLONIUS K, WEBB P
2389	5.9 N	55.2 E	40	202	112	65	84	APOLLONIUS K
2390	6.4 N	54.0 E	40	202	112	65	83	APOLLONIUS K, TARUNTIUS Y
2391	6.7 N	52.8 E	40	202	112	65	83	APOLLONIUS K, TARUNTIUS A
2392	7.2 N	51.3 E	40	201	112	65	82	TARUNTIUS, A
2393	7.6 N	50.1 E	40	201	112	65	81	TARUNTIUS, A
2394	8.1 N	48.8 E	40	201	112	65	80	TARUNTIUS, A

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2395	8.7 N	47.4 E	40	200	112	65	79	TARUNTIUS
2396	9.0 N	46.3 E	40	200	112	65	78	TARUNTIUS, M
2397	9.5 N	45.0 E	40	199	112	65	76	TARUNTIUS, M
2398	9.9 N	43.7 E	40	199	112	65	75	TARUNTIUS, M, PROCLUS A
2399	10.2 N	42.5 E	40	199	112	65	74	PROCLUS A, CAUCHY
2400	10.8 N	40.6 E	40	199	112	65	73	PROCLUS A, CAUCHY, A
2401	11.2 N	39.4 E	40	199	113	65	71	CAUCHY, A, LYELL
2402	11.7 N	38.2 E	40	199	113	65	70	CAUCHY, A, LYELL, MARALDI B
2403	12.1 N	37.1 E	40	199	113	65	69	CAUCHY, A, MARALDI B
2404	12.6 N	35.6 E	40	199	113	65	67	CAUCHY, A, MARALDI B, VITRUVIUS G
2405	12.9 N	34.2 E	40	198	113	65	66	MARALDI B, VITRUVIUS G
2406	13.2 N	32.7 E	40	198	113	65	65	VITRUVIUS G, JANSEN
2407	13.7 N	31.5 E	40	198	113	65	63	VITRUVIUS G, JANSEN
2408	14.0 N	29.9 E	40	197	113	65	62	JANSEN, C
2409	14.4 N	28.6 E	40	196	113	65	60	JANSEN, C
2410	14.8 N	27.3 E	40	196	113	65	59	JANSEN, DAWES, PLINIUS
2411	15.3 N	25.6 E	40	195	113	65	57	JANSEN, DAWES, PLINIUS
2412	15.4 N	24.5 E	40	194	113	65	56	DAWES, PLINIUS, RILLES
2413	15.9 N	23.0 E	40	194	113	65	55	PLINIUS, RILLES
2414	16.1 N	21.7 E	40	193	113	65	54	PLINIUS, RILLES, TACQUET
2415	16.3 N	20.4 E	40	193	113	65	53	PLINIUS, RILLES, TACQUET
2416	16.5 N	18.9 E	40	192	113	65	51	TACQUET, MENELAUS
2417	16.8 N	17.5 E	40	192	113	65	50	TACQUET, MENELAUS
2418	17.0 N	16.1 E	40	191	113	65	49	TACQUET, MENELAUS
2419	17.4 N	14.7 E	40	191	113	65	47	MENELAUS, BESSEL E, MANILIUS
2420	17.8 N	13.2 E	40	190	113	65	46	MENELAUS, BESSEL E, MANILIUS
2421	18.1 N	11.7 E	40	190	113	65	44	MANILIUS, SULPICIUS GALLUS
2422	18.2 N	10.4 E	40	189	113	65	43	MANILIUS, SULPICIUS GALLUS, RILLES
2423	18.3 N	8.9 E	40	189	114	65	42	MANILIUS, SULPICIUS GALLUS, RILLES
2424	18.6 N	7.3 E	40	188	114	65	40	MANILIUS, HARMS MTS
2425	18.7 N	5.9 E	40	188	114	65	39	MANILIUS, SULPICIUS GALLUS G
2426	18.8 N	4.5 E	40	188	114	65	38	SULPICIUS GALLUS G, H
2427	19.0 N	3.0 E	40	188	114	65	36	CONON
2428	19.1 N	1.6 E	40	187	114	65	35	CONON, APENNINE MTS
2429	19.2 N	.4 E	40	187	114	65	34	CONON, APENNINE MTS
2430	19.4 N	1.3 W	40	186	114	65	32	CONON, APENNINE MTS
2431	19.6 N	2.8 W	40	186	114	65	31	APENNINE FRONT
2432	19.6 N	4.2 W	40	184	114	65	30	APENNINE FRONT, ERATOSTHENES
2433	19.6 N	5.6 W	40	183	114	65	28	APENNINE FRONT, ERATOSTHENES
2434	19.7 N	7.2 W	40	182	114	65	27	ERATOSTHENES, A - ARF

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2435	19.8 N	8.5 W	40	182	114	65	26	ERATOSTHENES, WALLACE
2436	19.8 N	10.0 W	40	181	114	65	24	ERATOSTHENES, WALLACE
2437	19.8 N	11.4 W	40	181	114	65	23	ERATOSTHENES, WALLACE
2438	19.9 N	12.9 W	40	180	114	65	21	ERATOSTHENES, WALLACE
2439	19.8 N	14.2 W	40	179	114	65	20	ERATOSTHENES, RAINS, SEA OF
2440	19.8 N	15.7 W	40	179	118	65	19	ERATOSTHENES, PYTHEAS G, H, K
2441	19.9 N	17.3 W	40	178	118	65	17	ERATOSTHENES, PYTHEAS
2442	19.8 N	18.5 W	40	177	118	65	16	PYTHEAS, COPERNICUS
2443	19.8 N	20.0 W	40	177	118	65	15	PYTHEAS, COPERNICUS
2444	19.5 N	21.5 W	40	177	118	65	13	PYTHEAS, COPERNICUS
2445	19.5 N	23.2 W	40	176	118	65	12	PYTHEAS, CARPATHIAN MTS
2446	19.5 N	24.8 W	40	176	118	65	10	PYTHEAS A, CARPATHIAN MTS
2447	19.4 N	26.1 W	40	175	118	65	9	CARPATHIAN MTS, TOBIAS MAYER
2448	19.3 N	27.5 W	40	175	118	65	8	TOBIAS MAYER, EULER P
2449	19.3 N	29.0 W	40	175	119	65	6	TOBIAS MAYER, EULER P
2450	19.0 N	30.4 W	40	174	119	65	5	TOBIAS MAYER, EULER P
2451	18.8 N	32.0 W	40	174	119	65	3	EULER P, BRAYLEY B
2452	18.6 N	33.4 W	40	173	119	65	2	EULER P, BRAYLEY B
2453	18.4 N	34.8 W	40	172	119	65	1	BRAYLEY, B
2454			40			65		2454-2460 TERMINATOR, PARTLY ILLUMINATED
2461								2461-2590 DARK
2591					114	66		2591-2592 TERMINATOR, PARTLY ILLUMINATED
2593	21.8 S	145.1 E	VERT		114	66	0	GAGARIN, SW RIM
2594	21.6 S	143.6 E	VERT		114	66	1	GAGARIN, SW RIM
2595	21.3 S	142.2 E	VERT		114	66	2	GAGARIN, SW RIM
2596	21.1 S	140.7 E	VERT		114	66	3	PIRQUET
2597	20.8 S	139.2 E	VERT		114	66	4	PIRQUET
2598	20.6 S	137.9 E	VERT		113	66	5	PIRQUET
2599	20.4 S	136.5 E	VERT		113	66	7	PIRQUET
2600	20.2 S	135.0 E	VERT		113	66	8	TSIOLKOVSKY, E RIM
2601	19.9 S	133.7 E	VERT		113	66	9	TSIOLKOVSKY, E WALL
2602	19.7 S	132.4 E	VERT		113	66	10	TSIOLKOVSKY
2603	19.4 S	131.1 E	VERT		113	66	12	TSIOLKOVSKY
2604	19.1 S	129.9 E	VERT		113	66	13	TSIOLKOVSKY
2605	18.8 S	128.7 E	VERT		113	66	14	TSIOLKOVSKY
2606	18.4 S	127.4 E	VERT		113	66	15	TSIOLKOVSKY
2607	18.1 S	126.9 E	VERT		113	66	17	TSIOLKOVSKY
2608	17.8 S	124.7 E	VERT		113	66	18	TSIOLKOVSKY, LUTKE
2609	17.5 S	123.4 E	VERT		113	66	19	LUTKE, DELPORTE
2610	17.2 S	122.1 E	VERT		113	66	20	LUTKE, DELPORTE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	CAMERA TILT	CAMERA AZ	ALT Km.	REV NO.	SUN EL.	DESCRIPTION
2611	16.8 S	120.9 E	VERT		113	66	22	LUTKE, DELPORTE
2612	16.5 S	119.5 E	VERT		113	66	23	DELPORTE
2613	16.1 S	118.2 E	VERT		113	66	24	DELPORTE, KONDRATYUK
2614	15.8 S	117.0 E	VERT		113	66	25	KONDRATYUK
2615	15.4 S	115.7 E	VERT		113	66	27	KONDRATYUK
2616	15.0 S	114.5 E	VERT		113	66	28	KONDRATYUK
2617	14.5 S	113.2 E	VERT		113	66	29	KONDRATYUK, KHWOLSON
2618	14.1 S	111.9 E	VERT		113	66	31	KHWOLSON
2619	13.7 S	110.7 E	VERT		113	66	32	KHWOLSON
2620	13.4 S	109.5 E	VERT		112	66	33	KHWOLSON, PASTEUR
2621	13.0 S	108.4 E	VERT		112	66	34	PASTEUR
2622	12.6 S	107.1 E	VERT		112	66	35	PASTEUR
2623	12.2 S	105.9 E	VERT		112	66	37	PASTEUR
2624	11.7 S	104.6 E	VERT		112	66	38	PASTEUR
2625	11.3 S	103.4 E	VERT		112	66	39	PASTEUR
2626	10.8 S	102.2 E	VERT		112	66	40	PASTEUR
2627	10.4 S	101.0 E	VERT		112	66	42	PASTEUR
2628	9.9 S	99.8 E	VERT		112	66	43	PASTEUR, GANSKY
2629	9.4 S	98.7 E	VERT		112	66	44	PASTEUR, GANSKY
2630	8.8 S	97.5 E	VERT		112	66	45	GANSKY
2631	8.4 S	96.2 E	VERT		112	66	47	GANSKY, HIRAYAMA
2632	8.0 S	95.1 E	VERT		112	66	48	GANSKY, HIRAYAMA
2633	7.5 S	93.8 E	VERT		112	66	49	HIRAYAMA
2634	7.1 S	92.6 E	VERT		112	66	50	HIRAYAMA
2635	6.6 S	91.4 E	VERT		112	66	52	HIRAYAMA
2636	6.1 S	90.1 E	VERT		112	66	53	HIRAYAMA
2637	5.7 S	89.1 E	VERT		112	66	54	HIRAYAMA, SMYTH'S SEA
2638	5.2 S	87.9 E	VERT		112	66	55	SMYTH'S SEA
2639	4.7 S	86.6 E	VERT		112	66	56	SMYTH'S SEA
2640	4.1 S	85.4 E	VERT		112	66	58	SMYTH'S SEA
2641	3.6 S	84.1 E	VERT		112	66	59	SMYTH'S SEA
2642	3.1 S	83.1 E	VERT		112	66	60	SMYTH'S SEA, GILBERT U
2643	2.6 S	82.0 E	VERT		112	66	61	SMYTH'S SEA, GILBERT U
2644	2.0 S	80.7 E	VERT		112	66	63	SMYTH'S SEA, GILBERT U, m
2645	1.5 S	79.7 E	VERT		112	66	64	GILBERT m, N
2646	1.0 S	78.6 E	VERT		112	66	65	GILBERT m, N
2647	.4 S	77.3 E	VERT		112	66	66	GILBERT m, N, SCHUBERT Y
2648	.2 N	76.1 E	VERT		112	66	67	SCHUBERT Y
2649	.7 N	75.0 E	VERT		112	66	68	SCHUBERT Y
2650	1.1 N	73.8 E	VERT		112	66	69	SCHUBERT Y, N

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2651	1.6 N	72.7 E	VERT		112	66	70	SCHUBERT N, DUBIAGO S
2652	2.1 N	71.5 E	VERT		112	66	72	SCHUBERT N, DUBIAGO
2653	2.6 N	70.3 E	VERT		112	66	73	DUBIAGO, B
2654	3.1 N	69.2 E	VERT		112	66	74	DUBIAGO, B
2655	3.6 N	68.1 E	VERT		112	66	75	DUBIAGO, B, FIRMICUS M
2656	4.0 N	67.1 E	VERT		112	66	75	FIRMICUS M, FOAMING SEA
2657	4.5 N	65.9 E	VERT		112	66	76	FIRMICUS M, FOAMING SEA
2658	5.1 N	64.6 E	VERT		112	66	77	FIRMICUS, M
2659	5.6 N	63.4 E	VERT		112	66	78	FIRMICUS, APOLLONIUS
2660	6.2 N	62.1 E	VERT		112	66	79	FIRMICUS, APOLLONIUS
2661	6.8 N	60.7 E	VERT		112	66	80	FIRMICUS, APOLLONIUS
2662	7.3 N	59.5 E	VERT		112	66	80	APOLLONIUS, F, P
2663	7.7 N	58.5 E	VERT		112	66	80	APOLLONIUS F, P, PICARD H
2664	8.2 N	57.2 E	VERT		112	66	81	PICARD H, J
2665	8.6 N	56.0 E	VERT		112	66	80	PICARD H, J
2666	9.0 N	54.8 E	VERT		112	66	80	PICARD G, H, J
2667	9.4 N	53.5 E	VERT		112	66	80	PICARD H, LICK
2668	9.8 N	52.4 E	VERT		112	66	80	PICARD G, LICK
2669	10.2 N	51.3 E	VERT		112	66	79	PICARD G, LICK
2670	10.6 N	50.0 E	VERT		112	66	78	LICK, GLAISHER
2671	11.0 N	48.7 E	VERT		112	66	78	GLAISHER
2672	11.5 N	47.6 E	VERT		112	66	77	GLAISHER, PROCLUS F
2673	12.0 N	46.3 E	VERT		112	66	76	GLAISHER, PROCLUS F
2674	12.5 N	45.0 E	VERT		112	66	75	PROCLUS C, F
2675	12.9 N	43.8 E	VERT		112	66	74	PROCLUS A, F
2676	13.3 N	42.5 E	VERT		112	66	72	PROCLUS A, LYELL
2677	13.8 N	41.3 E	VERT		112	66	71	PROCLUS A, LYELL, FRANZ
2678	14.4 N	40.1 E	VERT		113	66	70	LYELL, FRANZ
2679	14.7 N	38.7 E	VERT		113	66	69	LYELL, FRANZ
2680	15.1 N	37.4 E	VERT		113	66	68	FRANZ, MARALDI D
2681	15.3 N	36.4 E	VERT		113	66	67	MARALDI D
2682	15.7 N	35.0 E	VERT		113	66	66	MARALDI D, VITRUVIUS A
2683	16.1 N	33.7 E	VERT		113	66	64	MARALDI D, VITRUVIUS, A
2684	16.4 N	32.6 E	VERT		113	66	63	VITRUVIUS, A
2685	16.8 N	31.2 E	VERT		113	66	62	VITRUVIUS, A
2686	17.2 N	30.0 E	VERT		113	66	61	VITRUVIUS, F
2687	17.5 N	28.7 E	VERT		113	66	60	VITRUVIUS, F, DAWES
2688	17.8 N	27.4 E	VERT		113	66	59	VITRUVIUS F, DAWES
2689	18.1 N	26.0 E	VERT		113	66	57	VITRUVIUS F, DAWES
2690	18.4 N	24.7 E	VERT		113	66	56	DAWES, PLINIUS RILLES

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2691	18.7 N	23.3 E	VERT		113	66	55	PLINIUS RILLES
2692	19.0 N	22.0 E	VERT		113	66	54	PLINIUS RILLES, TACQUET
2693	19.2 N	20.8 E	VERT		113	66	52	TACQUET, DESEILLIGNY
2694	19.5 N	19.5 E	VERT		113	66	51	DESEILLIGNY, BESSEL
2695	19.7 N	18.1 E	VERT		113	66	50	DESEILLIGNY, BESSEL, E
2696	20.1 N	16.7 E	VERT		113	66	49	BESSEL, E
2697	20.3 N	15.3 E	VERT		113	66	47	BESSEL, E
2698	20.6 N	14.1 E	VERT		113	66	46	BESSEL E, SULPICIUS GALLUS
2699	20.9 N	12.6 E	VERT		114	66	45	BESSEL E, SULPICIUS GALLUS
2700	21.2 N	11.2 E	VERT		114	66	44	SULPICIUS GALLUS, RILLES
2701	21.4 N	9.9 E	VERT		114	66	42	SULPICIUS GALLUS, RILLES
2702	21.6 N	8.6 E	VERT		114	66	41	SULPICIUS GALLUS RILLES
2703	21.8 N	7.3 E	VERT		114	66	40	SULPICIUS GALLUS, RILLES, ARATUS A
2704	22.0 N	5.9 E	VERT		114	66	39	ARATUS, A
2705	22.1 N	4.7 E	VERT		114	66	37	ARATUS, CONON
2706	22.3 N	3.3 E	VERT		114	66	36	ARATUS, CONON
2707	22.4 N	1.9 E	VERT		114	66	35	ARATUS, CONON
2708	22.6 N	.9 E	VERT		114	66	34	CONON, BRADLEY RILLE
2709	22.6 N	.9 W	VERT		114	66	32	CONON, BRADLEY RILLE
2710	22.7 N	2.2 W	VERT		114	66	31	BRADLEY RILLE
2711	22.8 N	3.7 W	VERT		114	66	30	BRADLEY RILLE, ARCHIMEDES N
2712	23.9 N	5.0 W	VERT		114	66	29	ARCHIMEDES N, H
2713	23.0 N	6.6 W	VERT		114	66	27	ARCHIMEDES H, WALLACE
2714	23.1 N	7.9 W	VERT		114	66	26	ARCHIMEDES H, WALLACE
2715	23.2 N	9.2 W	VERT		114	66	25	ARCHIMEDES H, WALLACE
2716	23.2 N	10.7 W	VERT		115	66	24	ARCHIMEDES H, WALLACE
2717	23.2 N	12.1 W	VERT		115	66	22	WALLACE, TIMOCHARIS C
2718	23.3 N	13.4 W	VERT		115	66	21	TIMOCHARIS A, C
2719	23.3 N	14.6 W	VERT		115	66	20	TIMOCHARIS A, C, F
2720	23.2 N	15.8 W	VERT		115	66	19	TIMOCHARIS A, C, F
2721	23.2 N	17.5 W	VERT		115	66	17	TIMOCHARIS A, F, PYTHEAS, LAMBERT
2722	23.1 N	18.8 W	VERT		115	66	16	PYTHEAS, LAMBERT
2723	23.1 N	20.2 W	VERT		115	66	15	PYTHEAS, LAMBERT
2724	23.0 N	21.6 W	VERT		115	66	14	PYTHEAS, LAMBERT
2725	22.9 N	23.0 W	VERT		115	66	13	PYTHEAS, LAMBERT
2726	22.9 N	24.4 W	VERT		115	66	11	PYTHEAS W
2727	22.8 N	25.8 W	VERT		115	66	10	EULER
2728	22.7 N	27.2 W	VERT		115	66	9	EULER
2729	22.6 N	28.5 W	VERT		115	66	7	EULER
2730	22.4 N	30.0 W	VERT		115	66	6	EULER

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2731	22.3 N	31.4 W	VERT		115	66	5	EULER
2732	22.2 N	32.8 W	VERT		115	66	4	EULER E, BRAYLEY B
2733	22.0 N	34.2 W	VERT		116	66	2	EULER E, BRAYLEY, B
2734	21.9 N	35.6 W	VERT		111	66	1	EULER E, BRAYLEY, B
2735	21.7 N	36.8 W	VERT		111	66	0	BRAYLEY, B
2736								2736-2789 DARK
2790					111	74		2790-2792 TERMINATOR, PARTLY ILLUMINATED
2793	21.6 S	135.3 E	VERT		111	74	1	TSIOLKOVSKY, E OF
2794	21.4 S	133.9 E	VERT		111	74	2	TSIOLKOVSKY, E RIM
2795	21.2 S	132.6 E	VERT		111	74	3	TSIOLKOVSKY
2796	20.9 S	131.4 E	VERT		111	74	4	TSIOLKOVSKY
2797	20.7 S	130.2 E	VERT		111	74	5	TSIOLKOVSKY
2798	20.6 S	128.9 E	VERT		110	74	6	TSIOLKOVSKY
2799	20.4 S	127.6 E	VERT		110	74	7	TSIOLKOVSKY
2800	20.2 S	126.3 E	VERT		110	74	9	TSIOLKOVSKY
2801	20.0 S	125.1 E	VERT		110	74	10	TSIOLKOVSKY, LUTKE
2802	19.6 S	123.6 E	VERT		110	74	11	TSIOLKOVSKY, W WALL, LUTKE
2803	19.2 S	122.1 E	VERT		110	74	13	LUTKE, DELPORTE
2804	18.9 S	120.9 E	VERT		110	74	14	LUTKE, DELPORTE
2805	18.6 S	119.6 E	VERT		110	74	15	LUTKE, DELPORTE
2806	18.3 S	118.2 E	VERT		110	74	16	DELPORTE, KONDRATYUK, E WALL
2807	17.9 S	116.9 E	VERT		110	74	18	KONDRATYUK
2808	17.6 S	115.6 E	VERT		110	74	19	KONDRATYUK
2809	17.2 S	114.4 E	VERT		110	74	20	KONDRATYUK, KHWOLSON, HILBERT
2810	16.9 S	113.2 E	VERT		110	74	21	KONDRATYUK, KHWOLSON, HILBERT
2811	16.5 S	111.8 E	VERT		110	74	22	KONDRATYUK, KHWOLSON, HILBERT
2812	16.1 S	110.5 E	VERT		110	74	24	KONDRATYUK, KHWOLSON, HILBERT
2813	15.7 S	109.2 E	VERT		110	74	25	KHWOLSON, HILBERT, PASTEUR
2814	15.3 S	107.9 E	VERT		110	74	26	KHWOLSON, HILBERT, PASTEUR
2815	15.0 S	106.7 E	VERT		110	74	28	HILBERT, PASTEUR, BACKLUND
2816	14.7 S	105.5 E	VERT		110	74	29	HILBERT, PASTEUR, BACKLUND
2817	14.3 S	104.2 E	VERT		110	74	30	PASTEUR, BACKLUND
2818	13.9 S	103.0 E	VERT		110	74	31	PASTEUR, BACKLUND
2819	13.6 S	101.9 E	VERT		110	74	32	PASTEUR, BACKLUND
2820	13.1 S	100.7 E	VERT		110	74	34	PASTEUR
2821	12.5 S	99.5 E	VERT		110	74	35	PASTEUR, GANSKY, E WALL
2822	12.1 S	98.1 E	VERT		110	74	36	GANSKY
2823	11.6 S	96.9 E	VERT		110	74	38	GANSKY
2824	11.1 S	95.7 E	VERT		110	74	39	GANSKY
2825	10.7 S	94.6 E	VERT		110	74	40	GANSKY

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2826	10.2 S	93.2 E	VERT		110	74	41	GANSKY, BRUNNER
2827	9.7 S	91.9 E	VERT		110	74	43	BRUNNER
2828	9.2 S	90.7 E	VERT		110	74	44	BRUNNER
2829	8.8 S	89.5 E	VERT		110	74	45	BRUNNER
2830	8.3 S	88.2 E	VERT		110	74	47	BRUNNER, W WALL
2831	7.9 S	87.1 E	VERT		110	74	48	SMYTH'S SEA
2832	7.3 S	85.9 E	VERT		110	74	50	SMYTH'S SEA
2833	6.8 S	84.7 E	VERT		110	74	50	SMYTH'S SEA, KASTNER R
2834	6.4 S	83.5 E	VERT		110	74	52	SMYTH'S SEA, KASTNER, R
2835	6.0 S	82.2 E	VERT		110	74	53	SMYTH'S SEA, KASTNER, R
2836	5.5 S	81.1 E	VERT		110	74	54	SMYTH'S SEA, KASTNER, R, G
2837	5.0 S	79.9 E	VERT		110	74	55	SMYTH'S SEA, KASTNER, G
2838	4.5 S	78.6 E	VERT		110	74	56	SMYTH'S SEA, KASTNER, G
2839	3.9 S	77.4 E	VERT		110	74	58	KASTNER, GILBERT
2840	3.4 S	76.2 E	VERT		110	74	59	KASTNER, GILBERT
2841	2.9 S	75.1 E	VERT		110	74	60	GILBERT
2842	2.3 S	74.0 E	VERT		110	74	61	GILBERT
2843	1.7 S	72.8 E	VERT		110	74	62	GILBERT
2844	1.2 S	71.7 E	VERT		110	74	63	MACLAURIN, E WALL
2845	.7 S	70.5 E	VERT		110	74	65	MACLAURIN
2846	.2 S	69.4 E	VERT		110	74	66	MACLAURIN, D, FOAMING SEA
2847	.2 N	68.4 E	VERT		110	74	67	MACLAURIN, D, FOAMING SEA
2848	.6 N	67.5 E	VERT		110	74	68	MACLAURIN D, FOAMING SEA
2849	1.0 N	66.4 E	VERT		110	74	69	MACLAURIN D, FOAMING SEA
2850	1.5 N	65.0 E	VERT		110	74	70	FOAMING SEA, APOLLONIUS G
2851	2.0 N	63.9 E	VERT		110	74	71	FOAMING SEA, APOLLONIUS G
2852	2.6 N	62.6 E	VERT		111	74	72	FOAMING SEA, APOLLONIUS G
2853	3.1 N	61.2 E	VERT		111	74	74	APOLLONIUS, WFRR, P
2854	3.6 N	60.0 E	VERT		111	74	75	APOLLONIUS, WFRR, P
2855	4.3 N	58.4 E	VERT		111	74	76	APOLLONIUS, WFRR, P
2856	4.6 N	57.4 E	VERT		111	74	77	APOLLONIUS, WFRR, P
2857	5.1 N	56.2 E	VERT		111	74	78	APOLLONIUS K, WFRR, P
2858	5.6 N	55.1 E	VERT		111	74	79	APOLLONIUS K
2859	6.1 N	53.9 E	VERT		111	74	79	APOLLONIUS K
2860	6.5 N	53.0 E	VERT		111	74	79	APOLLONIUS K
2861	7.0 N	51.7 E	VERT		111	74	80	TARUNTIUS, A
2862	7.5 N	50.5 E	VERT		111	74	80	TARUNTIUS, A
2863	8.0 N	49.3 E	VERT		111	74	80	TARUNTIUS, A
2864	8.5 N	48.2 E	VERT		111	74	80	TARUNTIUS, A
2865	8.8 N	46.9 E	VERT		112	74	80	TARUNTIUS, A

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	CAMERA TILT	CAMERA AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2866	9.3 N	45.6 E	VERT		112	74	80	TARUNTIUS, M
2867	9.8 N	44.4 E	VERT		112	74	80	PROCLUS G, A
2868	10.4 N	43.1 E	VERT		112	74	79	PROCLUS G, A, CAUCHY D
2869	10.9 N	41.7 E	VERT		112	74	78	PROCLUS G, A, CAUCHY, D
2870	11.3 N	40.6 E	VERT		112	74	77	PROCLUS G, A, CAUCHY, D
2871	11.7 N	39.6 E	VERT		112	74	76	PROCLUS G, A, CAUCHY, D
2872	12.2 N	38.2 E	VERT		112	74	75	PROCLUS G, A, CAUCHY, D
2873	12.6 N	37.0 E	VERT		112	74	74	CAUCHY, A
2874	13.0 N	35.9 E	VERT		112	74	74	CAUCHY A, VITRUVIUS G
2875	13.4 N	34.6 E	VERT		113	74	72	VITRUVIUS G, JANSEN F, E RIM
2876	13.8 N	33.3 E	VERT		113	74	71	VITRUVIUS G, JANSEN F
2877	14.2 N	32.0 E	VERT		113	74	70	VITRUVIUS G, JANSEN F
2878	14.7 N	30.7 E	VERT		113	74	69	JANSEN, F
2879	15.0 N	29.5 E	VERT		113	74	68	JANSEN, F
2880	15.4 N	28.2 E	VERT		113	74	67	JANSEN, DAWES
2881	15.8 N	27.1 E	VERT		113	74	66	JANSEN, DAWES, PLINIUS
2882	16.3 N	25.7 E	VERT		113	74	64	DAWES, PLINIUS
2883	16.6 N	24.5 E	VERT		113	74	63	DAWES, PLINIUS
2884	16.9 N	23.2 E	VERT		113	74	62	DAWES, PLINIUS
2885	17.3 N	22.0 E	VERT		114	74	61	PLINIUS, RILLES, TACQUET
2886	17.6 N	20.7 E	VERT		114	74	60	PLINIUS, RILLES, TACQUET
2887	17.8 N	19.5 E	VERT		114	74	59	TACQUET, MENELAUS
2888	18.3 N	17.9 E	VERT		114	74	57	TACQUET, MENELAUS
2889	18.6 N	16.7 E	VERT		114	74	56	TACQUET, MENELAUS
2890	18.8 N	15.4 E	VERT		114	74	55	MENELAUS, BESSEL E
2891	19.2 N	14.0 E	VERT		114	74	54	MENELAUS, BESSEL E
2892	19.4 N	12.6 E	VERT		114	74	52	BESSEL E, SULPICIUS GALLUS
2893	19.7 N	11.3 E	VERT		115	74	51	SULPICIUS GALLUS, RILLES
2894	19.9 N	10.2 E	VERT		115	74	50	SULPICIUS GALLUS, RILLES
2895	20.2 N	8.8 E	VERT		115	74	49	SULPICIUS GALLUS, RILLES
2896	20.5 N	7.4 E	VERT		115	74	47	SULPICIUS GALLUS RILLES, G
2897	20.8 N	6.1 E	VERT		115	74	46	ARATUS, A
2898	21.0 N	4.8 E	VERT		115	74	45	ARATUS, A
2899	21.3 N	3.5 E	VERT		115	74	44	ARATUS, A, CONON
2900	21.6 N	2.0 E	VERT		115	74	42	ARATUS, A, CONON
2901	21.7 N	.7 E	VERT		115	74	41	CONON, BRADLEY RILLE
2902	21.8 N	.5 W	VERT		116	74	40	CONON, BRADLEY RILLE
2903	21.9 N	2.1 W	VERT		116	74	39	BRADLEY RILLE
2904	22.1 N	3.6 W	VERT		116	74	37	BRADLEY RILLE, ARCHIMEDES N
2905	22.2 N	4.9 W	VERT		116	74	36	BRADLEY RILLE, ARCHIMEDES N

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2906	22.3 N	6.1 W	VERT		116	74	35	ARCHIMEDES H, WALLACE
2907	22.4 N	7.7 W	VERT		116	74	34	ARCHIMEDES H, WALLACE
2908	22.6 N	8.9 W	VERT		116	74	32	ARCHIMEDES H, WALLACE
2909	22.7 N	10.4 W	VERT		116	74	31	ARCHIMEDES H, WALLACE
2910	22.7 N	11.7 W	VERT		116	74	30	WALLACE, TIMOCHARIS C
2911	22.8 N	13.2 W	VERT		117	74	29	TIMOCHARIS C, A
2912	22.8 N	14.6 W	VERT		117	74	27	TIMOCHARIS C, A
2913	22.8 N	15.8 W	VERT		117	74	26	TIMOCHARIS C, A
2914	22.9 N	17.2 W	VERT		117	74	25	TIMOCHARIS C, A
2915	22.9 N	18.5 W	VERT		117	74	24	LAMBERT, PYTHEAS
2916	23.0 N	19.8 W	VERT		117	74	23	LAMBERT, PYTHEAS
2917	23.1 N	21.4 W	VERT		117	74	21	LAMBERT, PYTHEAS
2918	23.1 N	22.9 W	VERT		117	74	20	LAMBERT, PYTHEAS
2919	23.0 N	24.3 W	VERT		117	74	18	LAMBERT, PYTHEAS
2920	22.9 N	25.7 W	VERT		117	74	17	PYTHEAS W, EULER, E RIM
2921	22.9 N	27.0 W	VERT		118	74	16	EULER
2922	22.9 N	28.4 W	VERT		118	74	15	EULER
2923	22.9 N	29.8 W	VERT		118	74	13	EULER
2924	22.9 N	31.1 W	VERT		118	74	12	EULER
2925	22.8 N	32.6 W	VERT		118	74	11	EULER, W RIM, BRAYLEY B
2926	22.7 N	34.1 W	VERT		118	74	10	BRAYLEY, B
2927	22.6 N	35.3 W	VERT		118	74	8	BRAYLEY, B
2928	22.6 N	36.8 W	VERT		118	74	7	BRAYLEY, B, C
2929	22.5 N	38.1 W	VERT		118	74	6	BRAYLEY, C
2930	22.3 N	39.5 W	VERT		118	74	5	BRAYLEY, C, BESSARION D
2931	22.2 N	40.8 W	VERT		118	74	3	BRAYLEY C, BESSARION D
2932	22.1 N	42.3 W	VERT		119	74	2	BRAYLEY C, BESSARION D
2933	21.9 N	43.9 W	VERT		119	74	1	BESSARION D
2934	21.7 N	45.1 W	VERT		119	74	0	BESSARION D
2935					119	74		2935-2937, TERMINATOR, PARTLY ILLUMINATED
2938					119			2938-3182 DARK
3183	5.1 S	117.9 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3184	4.9 S	116.3 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3185	5.0 S	114.8 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3186	3.7 S	113.8 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3187	2.7 S	112.5 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3188	2.0 S	111.6 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3189	1.3 S	110.6 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3190	.5 S	109.1 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3191	.7 S	108.4 E				TE		PASTEUR, HILBERT, VIEW 70E-135E

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
3 INCH (7.62 CM.) FOCAL LENGTH

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3192	1.7 N	107.5 E				TE		PASTEUR, HILBERT, VIEW 60E-135E
3193	2.4 N	106.3 E				TE		PASTEUR, HILBERT, VIEW 60E-135E
3194	3.5 N	104.9 E				TE		PASTEUR, HILBERT, VIEW 60E-135E
3195	3.5 N	102.4 E				TE		PASTEUR, HILBERT, VIEW 55E-135E
3196	4.3 N	102.4 E				TE		PASTEUR, HILBERT, VIEW 55E-135E
3197	6.0 N	102.3 E				TE		PASTEUR, HILBERT, VIEW 55E-135E
3198	7.2 N	100.6 E				TE		PASTEUR, HILBERT, VIEW 55E-135E
3199	8.3 N	98.8 E				TE		PASTEUR, HILBERT, VIEW 55E-135E
3200	8.9 N	97.5 E				TE		PASTEUR, HILBERT, VIEW 55E-135E
3201	10.0 N	97.0 E				TE		PASTEUR, HILBERT, VIEW 50E-135E
3202	12.5 N	95.5 E				TE		PASTEUR, HILBERT, VIEW 50E-135E
3203	14.5 N	95.0 E				TE		PASTEUR, HILBERT, VIEW 50E-135E
3204	15.0 N	93.0 E				TE		PASTEUR, HILBERT, VIEW 50E-135E
3205	16.0 N	91.5 E				TE		PASTEUR, HILBERT, VIEW 50E-135E
3206	17.0 N	90.0 E				TE		PASTEUR, HILBERT, VIEW 50E-135E
3207	18.0 N	88.0 E				TE		PASTEUR, HILBERT, VIEW 45E-135E
3208	21.0 N	88.0 E				TE		PASTEUR, HILBERT, VIEW 45E-135E
3209	22.0 N	85.0 E				TE		PASTEUR, HILBERT, VIEW 45E-135E
3210	22.0 N	85.0 E				TE		PASTEUR, HILBERT, VIEW 45E-135E
3211	25.0 N	80.0 E				TE		PASTEUR, HILBERT, VIEW 45E-135E
3212	25.0 N	80.0 E				TE		PASTEUR, HILBERT, VIEW 45E-135E
3213	30.0 N	80.0 E				TE		PASTEUR, HILBERT, VIEW 40E-135E
3214	30.0 N	80.0 E				TE		PASTEUR, HILBERT, VIEW 40E-135E
3215	35.0 N	75.0 E				TE		PASTEUR, HILBERT, VIEW 40E-135E
3216	35.0 N	75.0 E				TE		PASTEUR, HILBERT, VIEW 40E-135E
3217						TE		3217-3244 PARTIAL DISC
3245						TE		3245-3289 PARTIAL DISC, OVEREXPOSED
3290						TE		3290-3297 DARK

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 150 TO 160 W

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
167	20.1 S	151.1 W	VERT		129	01	-1	WILSING
168	20.0 S	152.4 W	VERT		128	01	0	WILSING
169	19.9 S	153.7 W	VERT		126	01	1	WILSING
170	19.7 S	155.0 W	VERT		125	01	2	WILSING
171	19.5 S	156.2 W	VERT		123	01	4	WILSING
172	19.3 S	157.3 W	VERT		121	01	5	WILSING
173	19.1 S	158.8 W	VERT		120	01	6	WILSING, W RIM

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 160 TO 170 W

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
174	19.0 S	160.0 W	VERT		118	01	7	WILSING, W OF
175	18.9 S	161.5 W	VERT		117	01	9	MOHOROVICIC, E RIM
176	18.5 S	162.9 W	VERT		116	01	10	MOHOROVICIC
177	18.3 S	164.2 W	VERT		114	01	11	MOHOROVICIC
178	18.1 S	165.7 W	VERT		113	01	13	MOHOROVICIC
179	17.9 S	166.9 W	VERT		112	01	14	MOHOROVICIC
180	17.7 S	168.4 W	VERT		110	01	15	MOHOROVICIC, W RIM, MCKELLAR
181	17.5 S	169.6 W	VERT		109	01	16	MCKELLAR
325	19.7 S	164.5 W	VERT		116	13	1	MOHOROVICIC
326	19.6 S	166.0 W	VERT		117	13	2	MOHOROVICIC
327	19.4 S	167.4 W	VERT		117	13	3	MOHOROVICIC, SNIADECKI, N RIM
328	19.3 S	168.7 W	VERT		118	13	4	SNIADECKI, N RIM, MCKELLAR
464	15.6 S	163.3 W	40	8	114	14	-2	MOHOROVICIC
465	16.7 S	165.2 W	40	8	114	14	0	MOHOROVICIC
466	16.8 S	167.0 W	35	8	114	14	1	MOHOROVICIC
467	17.0 S	168.3 W	29	9	115	14	3	MOHOROVICIC, MCKELLAR
468	16.8 S	169.0 W	25	9	115	14	4	MCKELLAR

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 170 TO 180 W

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
182	17.3 S	170.7 W	VERT		108	01	18	MCKELLAR
183	17.1 S	172.0 W	VERT		107	01	19	MCKELLAR
184	16.7 S	173.4 W	VERT		106	01	20	MCKELLAR
185	16.5 S	174.8 W	VERT		105	01	22	MCKELLAR, W OF
186	16.2 S	176.3 W	VERT		104	01	23	RACAH, E OF
187	16.0 S	177.5 W	VERT		103	01	24	RACAH
188	15.6 S	178.9 W	VERT		102	01	25	RACAH
329	19.1 S	170.1 W	VERT		118	13	5	SNIADECKI, N RIM, MCKELLAR
330	19.0 S	171.4 W	VERT		118	13	7	SNIADECKI, N RIM, MCKELLAR
331	18.7 S	172.9 W	VERT		118	13	8	MCKELLAR, DE VRIES
332	18.5 S	174.2 W	VERT		119	13	9	DE VRIES
333	18.3 S	175.7 W	VERT		119	13	11	DE VRIES
334	18.1 S	177.1 W	VERT		119	13	12	DE VRIES
335	17.9 S	178.5 W	VERT		120	13	14	DE VRIES
469	17.7 S	170.4 W	20	10	115	14	5	MCKELLAR
470	18.0 S	172.0 W	15	10	116	14	7	MCKELLAR
471	18.1 S	173.5 W	10	9	116	14	8	MCKELLAR, DE VRIES
472	18.1 S	174.9 W	6	6	116	14	9	DE VRIES
473	18.3 S	176.2 W	VERT		117	14	10	DE VRIES
474	18.2 S	177.7 W	VERT		117	14	12	DE VRIES
475	17.9 S	179.1 W	VERT		117	14	13	DE VRIES
669	19.6 S	174.3 W	VERT		117	23	2	DE VRIES
670	19.4 S	175.6 W	VERT		117	23	3	DE VRIES
671	19.5 S	176.9 W	VERT		118	23	4	DE VRIES
672	19.5 S	178.1 W	VERT		118	23	5	DE VRIES
673	19.3 S	179.8 W	VERT		118	23	6	DE VRIES
825	17.3 S	176.0 W	40	5	119	26	-1	RACAH, TERMINATOR, PARTLY ILLUMINATED
826	17.1 S	177.1 W	40	5	118	26	0	RACAH
827	16.9 S	178.5 W	40	6	118	26	1	RACAH
828	16.5 S	180.0 W	40	7	118	26	3	RACAH
1097	19.6 S	178.0 W	VERT		118	27	0	DE VRIES
1098	19.3 S	179.1 W	VERT		118	27	1	DE VRIES
1379	19.6 S	178.6 W	VERT		117	28	-1	DE VRIES

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 170 TO 180 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
189	15.3 S	179.7 E	VERT		101	02	27	RACAH
190	15.1 S	178.4 E	VERT		100	02	28	RACAH
191	14.8 S	177.1 E	VERT		99	02	29	RACAH, AITKEN, NE WALL
192	14.3 S	175.8 E	VERT		99	02	31	RACAH, AITKEN, NE WALL
193	14.0 S	174.5 E	VERT		98	02	32	AITKEN
194	13.7 S	173.3 E	VERT		98	02	33	AITKEN
195	13.3 S	171.8 E	VERT		97	02	35	AITKEN, NW WALL
196	12.8 S	170.5 E	VERT		96	02	36	AITKEN, NW WALL, HEAVISIDE
336	17.6 S	179.9 E	VERT		120	14	15	DE VRIES, BERGSTRAND
337	17.5 S	178.6 E	VERT		121	14	16	BERGSTRAND
338	17.2 S	177.1 E	VERT		121	14	18	BERGSTRAND, AITKEN
339	16.9 S	175.7 E	VERT		121	14	19	BERGSTRAND, AITKEN
340	16.6 S	174.3 E	VERT		121	14	21	AITKEN
341	16.3 S	172.9 E	VERT		121	14	22	AITKEN
342	16.0 S	171.5 E	VERT		121	14	23	AITKEN
343	15.7 S	170.1 E	VERT		121	14	25	AITKEN, HEAVISIDE, W RIM
476	17.7 S	179.4 E	VERT		118	15	15	BERGSTRAND
477	17.5 S	178.0 E	VERT		118	15	16	BERGSTRAND, AITKEN, E WALL
478	17.3 S	176.7 E	VERT		118	15	17	BERGSTRAND, AITKEN
479	17.1 S	175.7 E	VERT		118	15	18	BERGSTRAND, AITKEN
480	16.8 S	174.4 E	VERT		119	15	19	AITKEN
481	16.5 S	173.0 E	VERT		119	15	21	AITKEN
482	16.2 S	171.7 E	VERT		119	15	22	AITKEN
483	15.9 S	170.5 E	VERT		120	15	23	AITKEN
674	19.1 S	179.1 E	VERT		119	24	7	BERGSTRAND
675	18.9 S	177.8 E	VERT		119	24	8	BERGSTRAND
676	18.8 S	176.4 E	VERT		119	24	10	BERGSTRAND, AITKEN
677	18.5 S	175.1 E	VERT		119	24	11	BERGSTRAND, AITKEN
678	18.3 S	173.7 E	VERT		120	24	12	BERGSTRAND, AITKEN
679	18.0 S	172.4 E	VERT		120	24	14	AITKEN
680	17.8 S	171.2 E	VERT		120	24	15	AITKEN
829	16.3 S	178.7 E	40	7	119	27	4	RACAH
830	16.0 S	177.2 E	40	7	119	27	5	RACAH, AITKEN
831	15.8 S	175.8 E	40	7	119	27	7	RACAH, AITKEN
832	15.4 S	174.3 E	40	6	120	27	8	AITKEN
833	15.1 S	172.9 E	40	6	120	27	10	AITKEN
834	14.9 S	171.8 E	40	8	120	27	11	AITKEN
835	14.7 S	170.5 E	40	8	121	27	12	AITKEN, HEAVISIDE
1099	19.3 S	179.4 E	VERT		119	33	2	BERGSTRAND
1100	19.1 S	178.0 E	VERT		119	33	4	BERGSTRAND

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 170 TO 180 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1101	19.1 S	176.6 E	VERT		119	28	5	BERGSTRAND, AITKEN
1102	18.9 S	175.1 E	VERT		119	28	6	BERGSTRAND, AITKEN
1103	18.7 S	173.8 E	VERT		120	28	7	BERGSTRAND, AITKEN
1104	18.5 S	172.5 E	VERT		120	28	9	AITKEN
1105	18.4 S	171.2 E	VERT		120	28	10	AITKEN
1380	19.5 S	179.8 E	VERT		117	29	1	DE VRIES, BERGSTRAND
1381	19.5 S	178.4 E	VERT		118	29	2	BERGSTRAND
1382	19.3 S	176.8 E	VERT		118	29	4	BERGSTRAND, AITKEN
1383	19.2 S	175.6 E	VERT		118	29	5	BERGSTRAND, AITKEN
1384	19.0 S	174.3 E	VERT		119	29	6	BERGSTRAND, AITKEN
1385	18.8 S	172.9 E	VERT		119	29	7	AITKEN
1386	18.7 S	171.7 E	VERT		120	29	9	AITKEN
1387	18.5 S	170.4 E	VERT		120	29	10	AITKEN
1548	22.9 S	174.5 E	40	185	119	36	0	VAN DE GRAAFF
1549	22.8 S	172.6 E	40	185	119	36	1	VAN DE GRAAFF
1550	22.7 S	171.1 E	40	186	119	36	2	VAN DE GRAAFF
1687	19.6 S	173.8 E	VERT		118	38	-2	AITKEN, S RIM
1688	19.5 S	172.6 E	VERT		118	38	-1	AITKEN, S RIM
1689	19.4 S	171.5 E	VERT		118	38	0	AITKEN, S RIM
1690	19.2 S	170.2 E	VERT		119	38	1	AITKEN, S RIM
1966	19.4 S	172.0 E	VERT			39		1966-1972 FARSIDE TERMINATOR, PARTLY ILLUMINATED

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 160 TO 170 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
197	12.5 S	169.3 E	VERT		96	02	37	HEAVISIDE
198	12.3 S	167.9 E	VERT		96	02	39	HEAVISIDE
199	11.8 S	166.6 E	VERT		95	02	40	HEAVISIDE
200	11.5 S	165.4 E	VERT		95	02	41	HEAVISIDE, KEELER
201	11.2 S	164.1 E	VERT		95	02	43	HEAVISIDE, KEELER
202	10.8 S	162.8 E	VERT		95	02	44	HEAVISIDE, KEELER
203	10.3 S	161.4 E	VERT		94	02	45	KEELER
204	9.8 S	160.1 E	VERT		94	02	46	KEELER
344	15.4 S	168.8 E	VERT		121	14	26	AITKEN, HEAVISIDE
345	15.1 S	167.5 E	VERT		121	14	27	HEAVISIDE
346	14.7 S	166.0 E	VERT		121	14	29	HEAVISIDE
347	14.4 S	164.6 E	VERT		121	14	30	HEAVISIDE, KEELER
348	14.1 S	163.2 E	VERT		121	14	31	HEAVISIDE, KEELER
349	13.7 S	161.9 E	VERT		122	14	33	KEELER, GEIGER
350	13.4 S	160.5 E	VERT		122	14	34	KEELER, GEIGER
484	15.7 S	169.3 E	VERT		120	15	24	AITKEN
485	15.4 S	168.0 E	VERT		120	15	26	HEAVISIDE, S WALL
486	15.1 S	166.7 E	VERT		121	15	27	HEAVISIDE, S WALL
487	14.8 S	165.4 E	VERT		121	15	28	HEAVISIDE, S WALL
488	14.5 S	164.3 E	VERT		121	15	29	HEAVISIDE, KEELER, SE RIM
489	14.2 S	162.9 E	VERT		121	15	31	HEAVISIDE, KEELER, SE RIM
490	13.9 S	161.6 E	VERT		122	15	32	KEELER, GEIGER
491	13.6 S	160.4 E	VERT		122	15	33	KEELER, GEIGER
681	17.5 S	169.8 E	VERT		121	24	16	AITKEN
682	17.3 S	168.6 E	VERT		121	24	17	AITKEN
683	17.1 S	167.3 E	VERT		121	24	19	AITKEN, W RIM
684	16.8 S	165.9 E	VERT		121	24	20	AITKEN, W OF
685	16.6 S	164.8 E	VERT		122	24	21	AITKEN, W OF
686	16.4 S	163.2 E	VERT		122	24	22	GEIGER, E OF
687	16.2 S	162.0 E	VERT		122	24	24	GEIGER, E OF
688	15.9 S	160.8 E	VERT		122	24	25	GEIGER
836	14.3 S	169.0 E	40	8	121	27	14	AITKEN, HEAVISIDE
837	13.9 S	167.6 E	40	9	121	27	15	HEAVISIDE, KEELER
838	13.7 S	166.1 E	40	10	122	27	17	HEAVISIDE, KEELER
839	13.4 S	164.6 E	40	10	122	27	18	HEAVISIDE, KEELER
840	13.1 S	163.3 E	40	11	122	27	19	HEAVISIDE, KEELER
841	12.9 S	162.0 E	40	11	122	27	20	HEAVISIDE, KEELER, GEIGER
842	12.5 S	160.7 E	40	12	123	27	22	HEAVISIDE, KEELER, GEIGER
1106	18.2 S	170.0 E	VERT		121	28	11	AITKEN
1107	18.0 S	168.6 E	VERT		121	28	13	AITKEN

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 160 TO 170 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1108	17.7 S	167.4 E	VERT		121	28	14	AITKEN, W OF
1109	17.5 S	165.9 E	VERT		121	28	15	AITKEN, W OF
1110	17.2 S	164.7 E	VERT		122	28	16	GEIGER, E OF
1111	17.0 S	163.3 E	VERT		122	28	18	GEIGER, E OF
1112	16.8 S	161.9 E	VERT		122	28	19	GEIGER, E OF
1113	16.5 S	160.6 E	VERT		122	28	20	GEIGER
1388	18.3 S	169.2 E	VERT		121	29	11	AITKEN
1389	18.0 S	167.6 E	VERT		121	29	13	AITKEN, W RIM
1390	17.8 S	166.4 E	VERT		121	29	14	AITKEN, W OF
1391	17.5 S	165.1 E	VERT		122	29	15	AITKEN, W OF
1392	17.2 S	163.7 E	VERT		122	29	16	GEIGER, E OF
1393	17.0 S	162.4 E	VERT		122	29	17	GEIGER, E OF
1394	16.8 S	161.2 E	VERT		122	29	19	GEIGER
1551	22.3 S	169.5 E	40	186	119	36	3	VAN DE GRAAFF
1552	22.2 S	168.4 E	40	187	120	36	5	VAN DE GRAAFF, PARACELSUS
1553	22.1 S	167.1 E	40	188	120	36	6	PARACELSUS
1554	22.1 S	165.6 E	40	188	120	36	8	PARACELSUS
1555	21.9 S	164.2 E	40	189	121	36	9	PARACELSUS
1556	21.5 S	162.7 E	40	188	121	36	10	PARACELSUS
1557	21.3 S	161.1 E	40	189	121	36	12	PARACELSUS, CYRANO
1691	19.1 S	168.8 E	VERT		119	38	3	AITKEN, SW RIM
1692	18.9 S	167.5 E	VERT		119	38	4	AITKEN, W OF
1693	18.8 S	165.9 E	VERT		120	38	5	AITKEN, W OF
1694	18.6 S	164.8 E	VERT		120	38	6	CYRANO, E OF
1695	18.4 S	163.5 E	VERT		120	38	8	CYRANO, E OF
1696	18.3 S	162.2 E	VERT		120	38	9	CYRANO, E OF
1697	18.3 S	160.8 E	VERT		121	38	10	CYRANO
1981	22.1 S	162.4 E	VERT		116	49	-1	CYRANO, E OF
1982	21.9 S	160.9 E	VERT		116	49	0	CYRANO, E WALL

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 150 TO 160 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
205	9.3 S	158.5 E	VERT		94	02	48	KEELER
206	9.0 S	157.4 E	VERT		94	02	49	KEELER, W RIM
207	8.6 S	156.1 E	VERT		94	02	50	KEELER, W OF
208	8.3 S	154.9 E	VERT		94	02	52	CHAPLYGIN, E OF
209	7.9 S	153.7 E	VERT		94	02	53	CHAPLYGIN, E WALL
210	7.6 S	152.4 E	VERT		95	02	54	CHAPLYGIN
211	7.0 S	151.1 E	VERT		95	02	56	CHAPLYGIN
351	13.0 S	159.2 E	VERT		122	14	35	KEELER, GEIGER
352	12.7 S	157.8 E	VERT		122	14	37	KEELER, GEIGER
353	12.1 S	156.4 E	VERT		123	14	38	GEIGER
354	11.7 S	155.1 E	VERT		123	14	40	BEIJERINCK
355	11.3 S	153.8 E	VERT		123	14	41	BEIJERINCK
356	11.0 S	152.5 E	VERT		123	14	42	BEIJERINCK
357	10.6 S	151.2 E	VERT		124	14	44	BEIJERINCK
492	13.2 S	159.2 E	VERT		122	15	34	GEIGER
493	12.9 S	157.9 E	VERT		122	15	36	GEIGER
494	12.6 S	156.6 E	VERT		123	15	37	GEIGER
495	12.3 S	155.3 E	VERT		123	15	38	BEIJERINCK
496	11.9 S	154.2 E	VERT		123	15	40	BEIJERINCK
497	11.5 S	152.7 E	VERT		123	15	41	BEIJERINCK
498	11.0 S	151.6 E	VERT		124	15	42	BEIJERINCK
499	10.7 S	150.5 E	VERT		124	15	43	BEIJERINCK
689	15.6 S	159.5 E	VERT		123	24	26	GEIGER
690	15.3 S	158.1 E	VERT		123	24	27	GEIGER
691	15.0 S	157.0 E	VERT		123	24	29	GEIGER
692	14.6 S	155.7 E	VERT		123	24	30	GEIGER
693	14.3 S	154.5 E	VERT		124	24	31	BEIJERINCK
694	14.0 S	153.3 E	VERT		124	24	32	BEIJERINCK
695	13.6 S	152.1 E	VERT		124	24	33	BEIJERINCK
696	13.0 S	150.7 E	VERT		124	24	35	BEIJERINCK
843	12.3 S	159.4 E	40	12	123	27	23	KEELER, GEIGER
844	12.0 S	158.1 E	40	13	123	27	24	KEELER, GEIGER
845	11.7 S	156.7 E	41	13	123	27	26	KEELER, GEIGER
846	11.4 S	155.3 E	40	13	124	27	27	KEELER, GEIGER
847	11.0 S	153.8 E	40	14	124	27	28	BEIJERINCK, CHAPLYGIN
848	10.9 S	152.7 E	40	14	124	27	30	BEIJERINCK, CHAPLYGIN
849	10.6 S	151.4 E	40	15	124	27	31	BEIJERINCK, CHAPLYGIN
1114	16.3 S	159.4 E	VERT		123	28	21	GEIGER
1115	16.0 S	158.0 E	VERT		123	28	23	GEIGER
1116	15.7 S	156.8 E	VERT		123	28	24	GEIGER

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 150 TO 160 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1117	15.4 S	155.5 E	VERT		123	28	25	GEIGER
1118	15.2 S	154.1 E	VERT		124	28	27	BEIJERINCK
1119	15.0 S	152.8 E	VERT		124	28	28	BEIJERINCK
1120	14.6 S	151.7 E	VERT		124	28	29	BEIJERINCK
1121	14.4 S	150.4 E	VERT		124	28	30	BEIJERINCK
1395	16.6 S	159.9 E	VERT		123	29	20	GEIGER
1396	16.3 S	158.6 E	VERT		123	29	21	GEIGER
1397	16.1 S	157.2 E	VERT		123	29	23	GEIGER
1398	15.8 S	155.9 E	VERT		123	29	24	GEIGER
1399	15.5 S	154.6 E	VERT		123	29	25	GEIGER, BEIJERINCK
1400	15.3 S	153.4 E	VERT		124	29	26	BEIJERINCK
1401	15.0 S	152.2 E	VERT		124	29	27	BEIJERINCK
1402	14.7 S	150.9 E	VERT		124	29	29	BEIJERINCK
1558	21.1 S	159.8 E	40	189	121	36	13	PARACELSUS, CYRANO
1559	20.8 S	158.2 E	40	190	122	36	14	CYRANO
1560	20.5 S	156.8 E	40	190	122	36	16	CYRANO
1561	20.3 S	155.5 E	40	190	122	36	17	CYRANO
1562	20.0 S	154.3 E	40	191	122	36	18	CYRANO, GAGARIN
1563	19.8 S	152.6 E	40	191	122	36	20	GAGARIN
1564	19.5 S	151.2 E	40	191	123	36	21	GAGARIN
1698	18.2 S	159.6 E	VERT		121	38	12	CYRANO
1699	17.8 S	158.2 E	VERT		121	38	13	CYRANO
1700	17.7 S	156.9 E	VERT		121	38	14	CYRANO
1701	17.5 S	155.5 E	VERT		121	38	15	CYRANO, GAGARIN, E WALL
1702	17.2 S	154.2 E	VERT		122	38	17	GAGARIN, BEIJERINCK
1703	16.9 S	152.9 E	VERT		122	38	18	GAGARIN, BEIJERINCK
1704	16.7 S	151.4 E	VERT		122	38	19	GAGARIN, BEIJERINCK
1705	16.3 S	150.1 E	VERT		122	38	21	GAGARIN, BEIJERINCK
1983	21.6 S	159.5 E	VERT		116	49	1	CYRANO
1984	21.3 S	158.4 E	VERT		116	49	2	CYRANO
1985	21.1 S	157.2 E	VERT		116	49	3	CYRANO
1986	21.0 S	155.8 E	VERT		116	49	5	CYRANO, GAGARIN, E WALL
1987	20.7 S	154.3 E	VERT		116	49	6	GAGARIN
1988	20.5 S	152.7 E	VERT		116	49	7	GAGARIN
1989	20.3 S	151.4 E	VERT		116	49	9	GAGARIN
1990	19.9 S	150.1 E	VERT		116	49	10	GAGARIN

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 140 TO 150 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT km.	REV NO.	SUN EL.	DESCRIPTION
212	6.6 S	149.9 E	VERT		95	02	57	CHAPLYGIN
213	6.3 S	148.5 E	VERT		96	02	58	CHAPLYGIN
214	5.6 S	147.3 E	VERT		96	02	60	CHAPLYGIN
215	5.2 S	146.0 E	VERT		96	02	61	CHAPLYGIN, W RIM, VIL'EV
216	4.6 S	144.8 E	VERT		97	02	62	VIL'EV
217	4.1 S	143.5 E	VERT		98	02	63	VIL'EV, PANNEKOEK, E RIM
218	3.6 S	142.3 E	VERT		98	02	65	PANNEKOEK
219	3.3 S	141.4 E	VERT		99	02	66	PANNEKOEK
358	10.2 S	149.8 E	VERT		124	14	45	BEIJERINCK, CHAPLYGIN, S RIM
359	9.8 S	148.4 E	VERT		124	14	46	CHAPLYGIN, S RIM, MARCONI
360	9.4 S	147.2 E	VERT		124	14	48	CHAPLYGIN, S RIM, MARCONI
361	9.0 S	145.8 E	VERT		124	14	49	MARCONI, VIL'EV
362	8.5 S	144.4 E	VERT		125	14	51	MARCONI, VIL'EV
363	8.0 S	143.0 E	VERT		125	14	52	MARCONI, VIL'EV, DELLINGER
364	7.6 S	141.5 E	VERT		125	14	53	VIL'EV, DELLINGER, PANNEKOEK
365	7.3 S	140.4 E	VERT		125	14	55	VIL'EV, DELLINGER, PANNEKOEK
500	10.3 S	149.4 E	VERT		124	15	45	BEIJERINCK, W RIM
501	10.0 S	148.2 E	VERT		124	15	46	MARCONI
502	9.6 S	146.9 E	VERT		124	15	47	MARCONI
503	9.2 S	145.7 E	VERT		124	15	48	MARCONI
504	8.9 S	144.5 E	VERT		124	15	49	MARCONI
505	8.5 S	143.3 E	VERT		124	15	51	MARCONI, DELLINGER
506	8.1 S	142.0 E	VERT		124	15	52	DELLINGER
507	7.6 S	140.7 E	VERT		124	15	53	DELLINGER
697	12.9 S	149.4 E	VERT		124	24	36	BEIJERINCK
698	12.5 S	148.2 E	VERT		125	24	37	BEIJERINCK, MARCONI
699	12.2 S	146.9 E	VERT		125	24	39	MARCONI
700	11.9 S	145.7 E	VERT		125	24	40	MARCONI
701	11.6 S	144.4 E	VERT		125	24	41	MARCONI
702	11.2 S	143.0 E	VERT		125	24	43	MARCONI
703	10.8 S	142.0 E	VERT		126	24	44	MARCONI, DELLINGER
704	10.5 S	140.7 E	VERT		126	24	45	DELLINGER, CHAUVENET
850	10.1 S	149.8 E	40	15	124	27	32	BEIJERINCK, CHAPLYGIN
851	9.7 S	148.6 E	40	15	125	27	34	CHAPLYGIN, MARCONI, VIL'EV
852	9.4 S	147.2 E	40	16	125	27	35	CHAPLYGIN, MARCONI, VIL'EV
853	9.2 S	145.8 E	40	16	125	27	36	CHAPLYGIN, MARCONI, VIL'EV
854	8.7 S	144.1 E	40	17	125	27	38	CHAPLYGIN, MARCONI, VIL'EV
855	8.5 S	142.9 E	40	17	125	27	39	CHAPLYGIN, MARCONI, VIL'EV
856	8.0 S	141.6 E	40	17	126	27	40	MARCONI, VIL'EV, DELLINGER
857	7.6 S	140.2 E	40	17	126	27	42	VIL'EV, DELLINGER, PANNEKOEK

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 140 TO 150 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1122	13.9 S	149.1 E	VERT		124	28	31	BEIJERINCK
1123	13.5 S	148.0 E	VERT		125	28	33	BEIJERINCK
1124	13.2 S	146.7 E	VERT		125	28	34	MARCONI
1125	13.0 S	145.4 E	VERT		125	28	35	MARCONI
1126	12.6 S	144.2 E	VERT		125	28	36	MARCONI
1127	12.3 S	142.8 E	VERT		125	28	38	MARCONI
1128	11.9 S	141.7 E	VERT		125	28	39	MARCONI
1129	11.5 S	140.4 E	VERT		125	28	40	CHAUVENET
1403	14.4 S	149.6 E	VERT		124	29	30	BEIJERINCK
1404	14.0 S	148.3 E	VERT		124	29	31	BEIJERINCK
1405	13.5 S	147.0 E	VERT		125	29	33	MARCONI, SE RIM
1406	13.2 S	145.7 E	VERT		125	29	34	MARCONI
1407	12.8 S	144.5 E	VERT		125	29	35	MARCONI
1408	12.5 S	143.2 E	VERT		125	29	36	MARCONI
1409	12.1 S	141.9 E	VERT		125	29	38	MARCONI
1410	11.7 S	140.6 E	VERT		125	29	39	MARCONI, CHAUVENET
1565	19.2 S	149.7 E	40	191	123	36	22	GAGARIN
1566	19.1 S	148.2 E	40	192	123	36	24	GAGARIN
1567	18.8 S	146.8 E	40	192	123	36	25	GAGARIN
1568	18.5 S	145.5 E	40	193	123	36	26	GAGARIN, DENNING
1569	17.9 S	144.0 E	40	193	124	36	29	GAGARIN, DENNING
1570	17.6 S	142.6 E	40	194	124	36	29	GAGARIN, DENNING
1571	17.2 S	141.0 E	40	194	124	36	31	DENNING
1706	16.1 S	149.0 E	VERT		122	38	22	GAGARIN, BEIJERINCK
1707	15.7 S	147.7 E	VERT		122	38	23	GAGARIN, BEIJERINCK
1708	15.4 S	146.4 E	VERT		123	38	24	GAGARIN, DENNING
1709	15.3 S	145.1 E	VERT		123	38	26	GAGARIN, DENNING
1710	14.9 S	144.0 E	VERT		123	38	27	DENNING
1711	14.7 S	142.4 E	VERT		123	38	28	DENNING
1712	14.4 S	141.3 E	VERT		123	38	29	DENNING
1991	19.7 S	148.8 E	VERT		116	49	11	GAGARIN
1992	19.4 S	147.5 E	VERT		116	49	12	GAGARIN
1993	19.1 S	146.2 E	VERT		116	49	14	GAGARIN
1994	18.9 S	144.9 E	VERT		116	49	15	GAGARIN, DENNING
1995	18.5 S	143.4 E	VERT		116	49	16	DENNING
1996	18.2 S	142.1 E	VERT		116	49	17	DENNING, PIRQUET
1997	17.9 S	140.8 E	VERT		116	49	19	DENNING, PIRQUET
2156	21.5 S	144.7 E	7	277	115	62	2	LEVI-CIVITA, GAGARIN, W RIM
2157	21.1 S	143.0 E	8	277	115	62	4	LEVI-CIVITA, GAGARIN, W RIM
2158	20.7 S	141.3 E	9	277	115	62	5	LEVI-CIVITA, PIRQUET

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 140 TO 150 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT Km.	REV NO.	SUN EL.	DESCRIPTION
2347	18.6 S	144.3 E	40	20	118	65	0	PIRQUET, E OF
2348	18.5 S	143.2 E	40	20	118	65	1	PIRQUET, E WALL
2349	18.3 S	142.3 E	40	20	118	65	2	PIRQUET
2350	18.0 S	141.0 E	40	20	118	65	3	PIRQUET
2593	21.8 S	145.1 E	VERT		114	66	0	GAGARIN, SW RIM
2594	21.6 S	143.6 E	VERT		114	66	1	GAGARIN, SW RIM
2595	21.3 S	142.2 E	VERT		114	66	2	GAGARIN, SW RIM
2596	21.1 S	140.7 E	VERT		114	66	3	PIRQUET

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 130 TO 140 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
220	2.9 S	139.9 E	VERT		100	02	67	PANNEKOEK, GLASENAP
221	2.2 S	138.6 E	VERT		100	02	69	PANNEKOEK, GLASENAP
222	1.7 S	137.1 E	VERT		101	02	70	GLASENAP
223	1.2 S	136.0 E	VERT		102	02	71	GLASENAP
224	.8 S	134.7 E	VERT		103	02	72	GLASENAP, W RIM
225	.4 S	133.4 E	VERT		104	02	74	GLASENAP, W OF
226	.0	132.4 E	VERT		105	02	75	GREGORY, E OF
227	.4 N	131.2 E	VERT		106	02	76	GREGORY, E OF
366	6.8 S	138.9 E	VERT		125	14	56	DELLINGER, PANNEKOEK
367	6.4 S	137.8 E	VERT		126	14	57	DELLINGER, PANNEKOEK
368	5.9 S	136.5 E	VERT		126	14	59	DELLINGER, PANNEKOEK
369	5.5 S	135.2 E	VERT		126	14	60	PRAGER, E OF
370	5.0 S	134.0 E	VERT		126	14	61	PRAGER, E RIM
371	4.6 S	132.8 E	VERT		126	14	62	PRAGER, LOVE
372	4.1 S	131.4 E	VERT		126	14	63	PRAGER, LOVE
373	3.6 S	130.1 E	VERT		126	14	65	PRAGER, LOVE
508	7.3 S	139.5 E	VERT		124	15	55	DELLINGER
509	6.8 S	138.3 E	VERT		124	15	56	DELLINGER
510	6.4 S	137.2 E	VERT		124	15	57	DELLINGER
511	5.8 S	135.8 E	VERT		124	15	58	DELLINGER, W OF
512	5.4 S	134.6 E	VERT		124	15	60	DELLINGER, W OF
513	5.0 S	133.5 E	VERT		124	15	61	PRAGER
514	4.6 S	132.5 E	VERT		124	15	62	PRAGER, LOVE
515	4.2 S	131.2 E	VERT		124	15	63	PRAGER, LOVE
705	10.1 S	139.5 E	VERT		126	24	46	DELLINGER, CHAUVENET
706	9.8 S	138.2 E	VERT		126	24	47	DELLINGER, CHAUVENET
707	9.5 S	137.1 E	VERT		126	24	49	DELLINGER, CHAUVENET, TEN BRUGGENCATE
708	9.1 S	136.0 E	VERT		126	24	50	CHAUVENET, TEN BRUGGENCATE
709	8.5 S	134.7 E	VERT		126	24	51	CHAUVENET, TEN BRUGGENCATE, LANE
710	8.0 S	133.4 E	VERT		126	24	52	TEN BRUGGENCATE, LANE
711	7.7 S	132.3 E	VERT		126	24	54	TEN BRUGGENCATE, LANE, LOVE
712	7.3 S	131.0 E	VERT		126	24	55	LANE, LOVE, PERREPLKIN
858	7.4 S	139.0 E	40	17	126	27	43	DELLINGER, PANNEKOEK
859	6.9 S	137.5 E	40	17	126	27	44	DELLINGER, PANNEKOEK
860	6.6 S	136.3 E	40	17	126	27	46	DELLINGER, PANNEKOEK
861	6.0 S	134.9 E	40	17	126	27	47	PANNEKOEK, PRAGER
862	5.6 S	133.8 E	40	17	126	27	48	PRAGER
863	5.1 S	132.6 E	40	18	126	27	50	PRAGER, LOVE
864	4.6 S	131.2 E	40	18	126	27	51	PRAGER, LOVE
1130	11.1 S	139.2 E	VERT		126	29	41	CHAUVENET

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 130 TO 140 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1131	10.8 S	138.0 E	VERT		126	28	43	CHAUVENET
1132	10.5 S	136.8 E	VERT		126	28	44	CHAUVENET, TEN BRUGGENCATE
1133	10.1 S	135.6 E	VERT		126	28	45	CHAUVENET, TEN BRUGGENCATE
1134	9.7 S	134.3 E	VERT		126	28	46	TEN BRUGGENCATE, LANE
1135	9.3 S	133.1 E	VERT		126	28	48	TEN BRUGGENCATE, LANE
1136	8.9 S	131.8 E	VERT		126	28	49	TEN BRUGGENCATE, LANE
1137	8.5 S	130.7 E	VERT		126	28	50	LANE, LOVE, PEREPELKIN
1411	11.4 S	139.6 E	VERT		126	29	40	CHAUVENET
1412	11.1 S	138.3 E	VERT		126	29	41	CHAUVENET
1413	10.7 S	137.1 E	VERT		126	29	43	CHAUVENET, TEN BRUGGENCATE
1414	10.3 S	135.8 E	VERT		126	29	44	CHAUVENET, TEN BRUGGENCATE
1415	10.0 S	134.6 E	VERT		126	29	45	CHAUVENET, TEN BRUGGENCATE, LANE
1416	9.6 S	133.4 E	VERT		126	29	46	TEN BRUGGENCATE, LANE
1417	9.2 S	132.1 E	VERT		126	29	48	LANE, PEREPELKIN
1418	9.0 S	130.8 E	VERT		126	29	49	LANE, PEREPELKIN, LOVE
1572	17.0 S	139.9 E	40	195	124	36	32	DENNING
1573	16.6 S	138.7 E	40	195	124	36	33	DENNING
1574	16.3 S	137.2 E	40	195	124	36	35	TSIOLKOVSKY
1575	15.8 S	136.0 E	40	195	124	36	36	TSIOLKOVSKY
1576	15.8 S	134.8 E	40	196	124	36	37	TSIOLKOVSKY
1577	15.3 S	133.4 E	40	196	125	36	39	TSIOLKOVSKY
1578	14.8 S	131.7 E	40	196	125	36	40	TSIOLKOVSKY
1579	14.4 S	130.2 E	40	196	125	36	41	TSIOLKOVSKY
1713	13.9 S	139.9 E	VERT		123	38	31	DENNING, CHAUVENET
1714	13.7 S	138.8 E	VERT		123	38	32	CHAUVENET
1715	13.3 S	137.6 E	VERT		124	38	33	CHAUVENET
1716	13.0 S	136.3 E	VERT		124	38	34	CHAUVENET, TEN BRUGGENCATE
1717	12.6 S	135.1 E	VERT		124	38	35	CHAUVENET, TEN BRUGGENCATE
1718	12.3 S	134.0 E	VERT		124	38	37	TEN BRUGGENCATE, LANE
1719	11.9 S	132.7 E	VERT		124	38	38	TEN BRUGGENCATE, LANE
1720	11.4 S	131.5 E	VERT		124	38	39	TEN BRUGGENCATE, LANE
1721	11.1 S	130.2 E	VERT		124	38	41	LANE, PEREPELKIN
1998	17.6 S	139.6 E	VERT		116	49	20	DENNING, PIRQUET
1999	17.1 S	138.3 E	VERT		116	49	21	DENNING, W OF
2000	16.6 S	137.0 E	VERT		116	49	23	DENNING, W OF
2001	16.3 S	135.7 E	VERT		116	49	24	DENNING, W OF
2002	15.8 S	134.4 E	VERT		116	49	25	DENNING, W OF
2003	15.5 S	133.3 E	VERT		116	49	26	DENNING, W OF
2004	15.3 S	132.0 E	VERT		116	49	27	DANJON, E OF
2005	14.9 S	130.7 E	VERT		116	49	29	DANJON, E OF

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 130 TO 140 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2159	20.4 S	140.0 E	10	280	115	62	7	LEVI-CIVITA, PIRQUET
2160	20.1 S	139.0 E	11	283	115	62	8	PIRQUET
2161	19.8 S	137.7 E	12	284	114	62	9	PIRQUET
2162	19.5 S	136.1 E	14	283	114	62	11	PIRQUET, W RIM
2163	19.2 S	134.8 E	15	283	114	62	12	TSIOLKOVSKY
2164	19.0 S	133.6 E	17	283	114	62	13	TSIOLKOVSKY
2165	18.6 S	132.1 E	18	283	114	62	15	TSIOLKOVSKY
2166	18.2 S	130.4 E	19	283	114	62	16	TSIOLKOVSKY
2351	17.7 S	139.5 E	40	20	118	65	5	PIRQUET
2597	20.8 S	139.2 E	VERT		114	66	4	PIRQUET
2598	20.6 S	137.9 E	VERT		113	66	5	PIRQUET
2599	20.4 S	136.5 E	VERT		113	66	7	PIRQUET
2600	20.2 S	135.0 E	VERT		113	66	8	TSIOLKOVSKY, E RIM
2601	19.9 S	133.7 E	VERT		113	66	9	TSIOLKOVSKY, E WALL
2602	19.7 S	132.4 E	VERT		113	66	10	TSIOLKOVSKY
2603	19.4 S	131.1 E	VERT		113	66	12	TSIOLKOVSKY
2793	21.6 S	135.3 E	VERT		111	74	1	TSIOLKOVSKY, E OF
2794	21.4 S	133.9 E	VERT		111	74	2	TSIOLKOVSKY, E RIM
2795	21.2 S	132.6 E	VERT		111	74	3	TSIOLKOVSKY
2796	20.9 S	131.4 E	VERT		111	74	4	TSIOLKOVSKY
2797	20.7 S	130.2 E	VERT		111	74	5	TSIOLKOVSKY

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 120 TO 130 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
228	.9 N	129.9 E	VERT		107	02	77	GREGORY
229	1.4 N	128.6 E	VERT		108	02	78	GREGORY
230	1.9 N	127.3 E	VERT		109	02	79	GREGORY
231	2.3 N	125.9 E	VERT		110	02	81	GREGORY
232	2.8 N	124.8 E	VERT		112	02	82	GREGORY, W RIM
233	3.2 N	123.5 E	VERT		113	02	82	KING, E RIM
234	3.5 N	122.6 E	VERT		114	02	83	KING
235	3.8 N	121.3 E	VERT		116	02	84	KING
236	4.4 N	120.1 E	VERT		117	02	84	KING
374	3.1 S	128.8 E	VERT		126	14	67	PRAGER, LOVE
375	2.6 S	127.4 E	VERT		127	14	68	LOVE, BECVAR
376	2.0 S	126.4 E	VERT		127	14	69	BECVAR
377	1.5 S	125.0 E	VERT		127	14	70	BECVAR
378	1.0 S	123.8 E	VERT		127	14	72	BECVAR
379	.7 S	122.6 E	VERT		127	14	73	BECVAR
380	.0	121.2 E	VERT		127	14	74	BECVAR, W RIM
516	3.7 S	130.0 E	VERT		124	15	64	PRAGER, LOVE
517	3.3 S	128.8 E	VERT		124	15	66	PRAGER, LOVE
518	2.9 S	127.5 E	VERT		124	15	67	PRAGER, LOVE, BECVAR
519	2.5 S	126.4 E	VERT		12'	15	68	LOVE, NW RIM, BECVAR
520	1.9 S	125.2 E	VERT		124	15	69	BECVAR
521	1.6 S	124.1 E	VERT		124	15	70	BECVAR
522	1.2 S	122.9 E	VERT		124	15	72	BECVAR
523	.6 S	121.5 E	VERT		124	15	73	BECVAR
524	.2 S	120.5 E	VERT		124	15	74	ABUL WAFA, E OF
713	7.0 S	130.0 E	VERT		126	24	56	LOVE, PERPELKIN, PRAGER
714	6.6 S	128.7 E	VERT		126	24	57	LOVE, PERPELKIN, PRAGER
715	6.2 S	127.5 E	VERT		126	24	59	LOVE, PERPELKIN, PRAGER
716	5.7 S	126.3 E	VERT		126	24	60	LOVE, PERPELKIN
717	5.2 S	125.1 E	VERT		126	24	61	LOVE, BECVAR
718	4.8 S	123.9 E	VERT		126	24	62	BECVAR
719	4.4 S	122.7 E	VERT		126	24	63	BECVAR
720	4.0 S	121.5 E	VERT		126	24	65	BECVAR
721	3.4 S	120.4 E	VERT		126	24	66	BECVAR
865	4.1 S	129.9 E	40	18	127	27	52	PRAGER, LOVE
866	3.6 S	128.6 E	40	18	127	27	54	PRAGER, LOVE, GREGORY
867	3.1 S	127.5 E	40	19	127	27	55	LOVE, GREGORY, BECVAR
868	2.7 S	126.0 E	40	19	127	27	56	GREGORY, BECVAR
869	2.2 S	124.7 E	40	19	127	27	57	GREGORY, BECVAR
870	1.7 S	123.7 E	40	19	127	27	59	BECVAR, KING

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 120 TO 130 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
871	1.2 S	122.3 E	40	19	127	27	60	BECVAR, KING
872	.7 S	120.7 E	40	19	127	27	61	BECVAR, KING
1138	8.1 S	129.5 E	VERT		126	28	51	LANE, LOVE, PEREPELKIN
1139	7.7 S	128.3 E	VERT		126	28	53	LOVE, PEREPELKIN
1140	7.4 S	127.2 E	VERT		127	28	54	LOVE, PEREPELKIN
1141	7.0 S	125.9 E	VERT		127	28	55	LOVE, PEREPELKIN
1142	6.5 S	124.6 E	VERT		127	28	56	LOVE, W RIM
1143	6.1 S	123.5 E	VERT		127	28	58	LOVE, W OF
1144	5.7 S	122.4 E	VERT		127	28	59	LOVE, W OF
1145	5.2 S	121.2 E	VERT		127	28	60	VESALIUS, E OF
1419	8.6 S	129.6 E	VERT		126	29	50	LANE, PEREPELKIN, LOVE
1420	8.2 S	128.5 E	VERT		126	29	51	PEREPELKIN, LOVE
1421	7.8 S	127.2 E	VERT		126	29	53	PEREPELKIN, LOVE
1422	7.3 S	125.9 E	VERT		126	29	54	PEREPELKIN, LOVE
1423	6.8 S	124.8 E	VERT		126	29	55	PEREPELKIN, LOVE
1424	6.5 S	123.6 E	VERT		126	29	56	LOVE, W OF
1425	6.0 S	122.5 E	VERT		126	29	58	LOVE, W OF
1426	5.6 S	121.3 E	VERT		126	29	59	LOVE, W OF
1427	5.1 S	120.1 E	VERT		126	29	60	LOVE, W OF
1580	14.0 S	128.9 E	40	196	125	36	43	TSIOLKOVSKY
1581	13.6 S	127.7 E	40	196	125	36	44	TSIOLKOVSKY
1582	13.2 S	126.4 E	40	197	125	36	45	TSIOLKOVSKY, DANJON
1583	12.9 S	125.0 E	40	197	125	36	47	TSIOLKOVSKY, DANJON
1584	12.4 S	123.5 E	40	197	125	36	48	TSIOLKOVSKY, DANJON
1585	12.1 S	122.2 E	40	197	125	36	49	DANJON, LANGEMAK
1586	11.7 S	121.0 E	40	198	125	36	51	DANJON, LANGEMAK
1722	10.8 S	129.0 E	VERT		124	38	42	LANE, PEREPELKIN
1723	10.3 S	127.7 E	VERT		124	38	43	PEREPELKIN
1724	10.0 S	126.5 E	VERT		124	38	44	PEREPELKIN, DANJON
1725	9.6 S	125.3 E	VERT		124	38	45	PEREPELKIN, DANJON
1726	9.2 S	123.9 E	VERT		124	38	46	DANJON, LANGEMAK
1727	8.9 S	122.6 E	VERT		125	38	48	DANJON, LANGEMAK
1728	8.4 S	121.5 E	VERT		125	38	49	DANJON, LANGEMAK
1729	8.2 S	120.4 E	VERT		125	38	50	LANGEMAK
2006	14.5 S	129.5 E	VERT		116	49	30	DANJON, E OF
2007	14.1 S	128.2 E	VERT		116	49	31	DANJON, E OF
2008	13.7 S	126.9 E	VERT		116	49	33	DANJON, E RIM
2009	13.3 S	125.7 E	VERT		116	49	34	DANJON
2010	12.8 S	124.3 E	VERT		116	49	35	DANJON
2011	12.4 S	123.0 E	VERT		116	49	37	DANJON

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 120 TO 130 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2012	11.9 S	121.9 E	VERT		116	49	38	DANJON, LANGEMAK
2013	11.5 S	120.7 E	VERT		116	49	39	LANGEMAK
2167	17.9 S	129.0 E	21	284	114	62	18	TSIOLKOVSKY
2168	17.5 S	127.2 E	22	284	114	62	19	TSIOLKOVSKY
2169	17.3 S	126.2 E	23	284	114	62	20	TSIOLKOVSKY, LUTKE
2170	16.9 S	125.0 E	25	285	114	62	21	LUTKE, DELPORTE
2171	16.5 S	123.5 E	26	285	114	62	23	LUTKE, DELPORTE
2172	16.2 S	122.1 E	27	285	114	62	24	LUTKE, DELPORTE
2173	15.7 S	120.7 E	28	286	114	62	25	LUTKE, DELPORTE
2604	19.1 S	129.9 E	VERT		113	66	13	TSIOLKOVSKY
2605	18.8 S	128.7 E	VERT		113	66	14	TSIOLKOVSKY
2606	18.4 S	127.4 E	VERT		113	66	15	TSIOLKOVSKY
2607	18.1 S	125.9 E	VERT		113	66	17	TSIOLKOVSKY
2608	17.8 S	124.7 E	VERT		113	66	18	TSIOLKOVSKY, LUTKE
2609	17.5 S	123.4 E	VERT		113	66	19	LUTKE, DELPORTE
2610	17.2 S	122.1 E	VERT		113	66	20	LUTKE, DELPORTE
2611	16.8 S	120.9 E	VERT		113	66	22	LUTKE, DELPORTE
2798	20.6 S	128.9 E	VERT		110	74	6	TSIOLKOVSKY
2799	20.4 S	127.6 E	VERT		110	74	7	TSIOLKOVSKY
2800	20.2 S	126.3 E	VERT		110	74	9	TSIOLKOVSKY
2801	20.0 S	125.1 E	VERT		110	74	10	TSIOLKOVSKY, LUTKE
2802	19.6 S	123.6 E	VERT		110	74	11	TSIOLKOVSKY, W WALL, LUTKE
2803	19.2 S	122.1 E	VERT		110	74	13	LUTKE, DELPORTE
2804	18.9 S	120.9 E	VERT		110	74	14	LUTKE, DELPORTE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 110 TO 120 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
237	4.7 N	118.9 E	VERT		118	02	84	KING
238	5.0 N	117.8 E	VERT		120	02	84	KING
239	5.6 N	116.9 E	VERT		121	02	84	FIRSOV
240	6.0 N	115.3 E	VERT		123	02	83	FIRSOV, LOBACHEVSKY
241	6.4 N	113.7 E	VERT		125	02	82	FIRSOV, LOBACHEVSKY
242	6.7 N	112.4 E	VERT		126	02	81	FIRSOV, LOBACHEVSKY
243	7.2 N	111.2 E	VERT		128	02	80	FIRSOV, LOBACHEVSKY
381	.5 N	119.9 E	VERT		127	14	76	ABUL WAFA, E RIM
382	.9 N	118.7 E	VERT		127	14	77	ABUL WAFA
383	1.4 N	117.3 E	VERT		127	14	78	ABUL WAFA
384	2.0 N	116.0 E	VERT		127	14	79	ABUL WAFA
385	2.0 N	114.8 E	VERT		127	14	80	ABUL WAFA, FIRSOV
386	2.5 N	113.5 E	VERT		127	14	81	ABUL WAFA, FIRSOV
387	2.7 N	112.3 E	VERT		127	14	83	FIRSOV
388	3.2 N	110.9 E	VERT		127	14	83	FIRSOV
525	.2 N	119.4 E	VERT		124	15	76	ABUL WAFA
526	.8 N	117.8 E	VERT		124	15	77	ABUL WAFA
527	1.2 N	116.8 E	VERT		124	15	78	ABUL WAFA
528	1.5 N	115.6 E	VERT		124	15	79	ABUL WAFA, FIRSOV, E RIM
529	1.4 N	114.5 E	VERT		124	15	80	ABUL WAFA, FIRSOV, BUISSON
530	1.9 N	113.6 E	VERT		124	15	81	ABUL WAFA, FIRSOV, BUISSON
531	2.4 N	112.3 E	VERT		124	15	82	FIRSOV, BUISSON
532	2.8 N	111.1 E	VERT		124	15	83	FIRSOV
722	3.0 S	119.2 E	VERT		126	24	67	VESALIUS, E RIM
723	2.4 S	117.9 E	VERT		126	24	69	VESALIUS, ABUL WAFA
724	2.1 S	116.7 E	VERT		126	24	70	VESALIUS, ABUL WAFA
725	1.7 S	115.5 E	VERT		126	24	71	VESALIUS, ABUL WAFA, BUISSON
726	1.4 S	114.3 E	VERT		126	24	72	VESALIUS, ABUL WAFA, BUISSON
727	1.3 S	113.2 E	VERT		126	24	73	VESALIUS, ABUL WAFA, BUISSON
728	.8 S	112.2 E	VERT		126	24	74	VESALIUS, ABUL WAFA, BUISSON
729	.5 S	110.9 E	VERT		126	24	76	BUISSON
873	.3 S	119.8 E	40	19	127	27	63	KING, ABUL WAFA
874	.2 N	118.6 E	40	19	127	27	64	KING, ABUL WAFA
875	.7 N	117.2 E	40	20	127	27	66	KING, ABUL WAFA
876	1.0 N	115.8 E	40	20	127	27	67	ABUL WAFA, BUISSON
877	1.1 N	114.6 E	40	20	127	27	68	BUISSON
878	1.5 N	113.4 E	40	20	127	27	70	BUISSON, FIRSOV
879	1.9 N	112.1 E	40	20	127	27	71	BUISSON, FIRSOV
880	2.4 N	110.9 E	40	20	127	27	72	FIRSOV
1146	4.7 S	120.0 E	VERT		127	28	61	VESALIUS, E OF

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 110 TO 120 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1147	4.2 S	118.8 E	VERT		127	28	62	VESALIUS, E OF
1148	3.7 S	117.6 E	VERT		127	28	64	VESALIUS
1149	3.3 S	116.4 E	VERT		127	28	65	VESALIUS
1150	3.0 S	115.2 E	VERT		127	28	66	VESALIUS, BUISSON
1151	2.7 S	113.9 E	VERT		127	28	67	VESALIUS, BUISSON, EINTHOVEN
1152	2.4 S	112.7 E	VERT		127	28	69	VESALIUS, BUISSON, EINTHOVEN
1153	1.9 S	111.6 E	VERT		127	28	70	VESALIUS, BUISSON, EINTHOVEN
1154	1.5 S	110.2 E	VERT		127	28	71	BUISSON, EINTHOVEN
1428	4.6 S	118.8 E	VERT		126	29	61	VESALIUS, E OF
1429	4.2 S	117.5 E	VERT		126	29	63	VESALIUS
1430	3.8 S	116.5 E	VERT		126	29	64	VESALIUS
1431	3.4 S	115.3 E	VERT		126	29	65	VESALIUS, BUISSON
1432	3.1 S	114.2 E	VERT		126	29	66	VESALIUS, BUISSON
1433	2.7 S	112.9 E	VERT		126	29	67	VESALIUS, BUISSON, EINTHOVEN
1434	2.3 S	111.8 E	VERT		126	29	69	BUISSON, EINTHOVEN
1435	2.0 S	110.7 E	VERT		126	29	70	BUISSON, EINTHOVEN
1587	11.3 S	119.6 E	40	198	125	36	52	LANGEMAK
1588	10.7 S	118.3 E	40	199	125	36	54	LANGEMAK, MEITNER
1589	10.1 S	117.0 E	40	199	125	36	55	LANGEMAK, MEITNER
1590	9.6 S	115.6 E	40	199	125	36	56	LANGEMAK, MEITNER
1591	9.3 S	114.4 E	40	200	125	36	58	MEITNER
1592	8.9 S	113.0 E	40	200	125	36	59	MEITNER, PASTEUR
1593	8.5 S	111.9 E	40	200	125	36	60	MEITNER, PASTEUR
1594	8.0 S	110.5 E	40	200	125	36	62	MEITNER, PASTEUR
1730	7.7 S	119.1 E	VERT		125	38	52	LANGEMAK
1731	7.3 S	117.6 E	VERT		125	38	53	LANGEMAK
1732	7.0 S	116.4 E	VERT		125	38	55	LANGEMAK, VESALIUS
1733	6.7 S	115.5 E	VERT		125	38	56	VESALIUS
1734	6.3 S	114.5 E	VERT		125	38	57	VESALIUS
1735	5.9 S	113.2 E	VERT		125	38	58	VESALIUS
1736	5.5 S	112.1 E	VERT		125	38	59	VESALIUS, EINTHOVEN
1737	4.9 S	111.1 E	VERT		125	38	60	VESALIUS, EINTHOVEN
2014	11.1 S	119.4 E	VERT		116	49	41	LANGEMAK
2015	10.6 S	118.2 E	VERT		116	49	42	LANGEMAK
2016	10.2 S	117.0 E	VERT		116	49	43	LANGEMAK
2017	9.8 S	115.6 E	VERT		116	49	44	LANGEMAK, [illegible], MEITNER
2018	9.3 S	114.5 E	VERT		116	49	45	MEITNER
2019	8.8 S	113.2 E	VERT		116	49	47	MEITNER
2020	8.3 S	112.1 E	VERT		116	49	48	MEITNER, EINTHOVEN
2021	7.9 S	110.9 E	VERT		116	49	49	EINTHOVEN

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 110 TO 120 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2174	15.2 S	119.2 E	29	288	114	62	27	DELPORTE, KONDRATYUK
2175	14.8 S	117.9 E	31	288	114	62	28	KONDRATYUK, MEITNER
2176	14.4 S	116.8 E	32	288	114	62	30	KONDRATYUK, MEITNER
2177	13.9 S	115.4 E	33	289	114	62	31	KONDRATYUK, MEITNER, KHWOLSON
2178	13.5 S	113.9 E	34	289	114	62	32	KONDRATYUK, MEITNER, KHWOLSON
2179	13.1 S	112.6 E	36	289	114	62	34	KONDRATYUK, MEITNER, KHWOLSON
2180	12.6 S	111.2 E	37	289	114	62	35	MEITNER, KHWOLSON, PASTEUR
2612	16.5 S	119.5 E	VERT		113	66	23	DELPORTE
2613	16.1 S	118.2 E	VERT		113	66	24	DELPORTE, KONDRATYUK
2614	15.8 S	117.0 E	VERT		113	66	25	KONDRATYUK
2615	15.4 S	115.7 E	VERT		113	66	27	KONDRATYUK
2616	15.0 S	114.5 E	VERT		113	66	28	KONDRATYUK
2617	14.5 S	113.2 E	VERT		113	66	29	KONDRATYUK, KHWOLSON
2618	14.1 S	111.9 E	VERT		113	66	31	KHWOLSON
2619	13.7 S	110.7 E	VERT		113	66	32	KHWOLSON
2805	18.6 S	119.6 E	VERT		110	74	15	LUTKE, DELPORTE
2806	18.3 S	118.2 E	VERT		110	74	16	DELPORTE, KONDRATYUK, E WALL
2807	17.9 S	116.9 E	VERT		110	74	18	KONDRATYUK
2808	17.6 S	115.6 E	VERT		110	74	19	KONDRATYUK
2809	17.2 S	114.4 E	VERT		110	74	20	KONDRATYUK, KHWOLSON, HILBERT
2810	16.9 S	113.2 E	VERT		110	74	21	KONDRATYUK, KHWOLSON, HILBERT
2811	16.5 S	111.8 E	VERT		110	74	22	KONDRATYUK, KHWOLSON, HILBERT
2812	16.1 S	110.5 E	VERT		110	74	24	KONDRATYUK, KHWOLSON, HILBERT
3183	5.1 S	117.9 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3184	4.9 S	116.3 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3185	5.0 S	114.8 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3186	3.7 S	113.8 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3187	2.7 S	112.5 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3188	2.0 S	111.6 E				TE		PASTEUR, HILBERT, VIEW 70E-135E
3189	1.3 S	110.6 E				TE		PASTEUR, HILBERT, VIEW 60E-135E

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 100 TO 110 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
244	7.5 N	109.8 E	VERT		130	02	79	LOBACHEVSKY
245	7.9 N	108.6 E	VERT		131	02	78	LOBACHEVSKY, W RIM
246	8.3 N	107.3 E	VERT		133	02	77	LOBACHEVSKY, W OF
247	8.9 N	106.3 E	VERT		135	02	76	MOISEEV
248	9.3 N	105.1 E	VERT		137	02	75	MOISEEV
249	9.7 N	103.9 E	VERT		138	02	74	MOISEEV
250	9.9 N	102.8 E	VERT		140	02	72	MOISEEV
251	10.2 N	101.6 E	VERT		142	02	71	MOISEEV
252	10.6 N	100.2 E	VERT		144	02	70	DREYER
389	3.7 N	109.5 E	VERT		127	14	84	FIRSOV
390	4.1 N	108.4 E	VERT		127	14	84	FIRSOV, W RIM
391	4.6 N	107.1 E	VERT		127	14	84	SAENGER, E RIM
392	4.9 N	105.9 E	VERT		127	14	84	SAENGER
393	5.4 N	104.5 E	VERT		127	14	84	SAENGER, MOISEEV
394	5.8 N	103.2 E	VERT		127	14	83	SAENGER, MOISEEV
395	6.2 N	102.0 E	VERT		127	14	82	SAENGER, MOISEEV, ERRO
396	6.7 N	100.7 E	VERT		127	14	81	SAENGER, MOISEEV, ERRO
533	3.2 N	109.7 E	VERT		124	15	84	FIRSOV
534	3.6 N	108.5 E	VERT		124	15	84	FIRSOV, W RIM
535	4.0 N	107.6 E	VERT		124	15	85	SAENGER, E OF
536	4.3 N	106.5 E	VERT		124	15	85	SAENGER
537	4.7 N	105.3 E	VERT		124	15	84	SAENGER
538	5.2 N	104.0 E	VERT		124	15	84	SAENGER
539	5.6 N	102.9 E	VERT		124	15	83	SAENGER
540	6.0 N	101.7 E	VERT		124	15	83	SAENGER, ERRO
541	6.5 N	100.2 E	VERT		124	15	82	SAENGER, ERRO
730	.2 S	109.8 E	VERT		126	24	77	BUISSON
731	.4 N	108.5 E	VERT		126	24	78	BUISSON, W OF
732	.6 N	107.5 E	VERT		126	24	79	SAHA
733	1.0 N	106.3 E	VERT		126	24	80	SAHA
734	1.4 N	105.2 E	VERT		126	24	81	SAHA, SAENGER
735	2.0 N	103.9 E	VERT		126	24	82	SAHA, SAENGER
736	2.5 N	102.8 E	VERT		126	24	83	SAHA, SAENGER
737	2.9 N	101.6 E	VERT		126	24	84	SAHA, SAENGER
738	3.4 N	100.3 E	VERT		126	24	84	SAENGER, ERRO
881	3.0 N	109.6 E	40	20	127	27	73	FIRSOV
882	3.5 N	108.3 E	40	20	127	27	74	FIRSOV
883	4.0 N	107.1 E	40	20	127	27	75	SAENGER, MOISEEV
884	4.2 N	105.8 E	40	20	127	27	76	SAENGER, MOISEEV
885	4.9 N	104.5 E	40	20	126	27	77	SAENGER, MOISEEV

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 100 TO 110 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
886	5.3 N	103.1 E	40	20	126	27	77	SAENGER, MOISEEV
887	5.7 N	101.9 E	40	19	126	27	78	SAENGER, MOISEEV, FARO
888	6.2 N	100.7 E	40	19	126	27	79	SAENGER, MOISEEV, FARO
1155	1.1 S	109.1 E	VERT		127	28	72	BUISSON, EINTHOVEN
1156	.7 S	108.2 E	VERT		127	28	73	EINTHOVEN, N WALL
1157	.3 S	107.1 E	VERT		127	28	74	SAHA
1158	.2 N	105.7 E	VERT		127	28	76	SAHA
1159	.5 N	104.6 E	VERT		127	28	77	SAHA, SAENGER
1160	.9 N	103.4 E	VERT		127	28	78	SAHA, SAENGER
1161	1.2 N	102.3 E	VERT		127	28	79	SAHA, SAENGER
1162	1.7 N	101.1 E	VERT		127	28	80	SAHA, SAENGER
1436	1.6 S	109.5 E	VERT		126	29	71	BUISSON, EINTHOVEN
1437	1.2 S	108.3 E	VERT		126	29	72	EINTHOVEN
1438	.8 S	107.1 E	VERT		126	29	73	SAHA
1439	.3 S	105.9 E	VERT		126	29	75	SAHA
1440	.1 N	104.7 E	VERT		126	29	76	SAHA, SAENGER
1441	.5 N	103.4 E	VERT		126	29	77	SAHA, SAENGER
1442	1.0 N	102.2 E	VERT		126	29	78	SAHA, SAENGER, WYLD
1443	1.3 N	101.1 E	VERT		126	29	79	SAHA, SAENGER, WYLD
1595	7.6 S	109.4 E	40	200	125	36	63	MEITNER, PASTEUR
1596	7.1 S	108.2 E	40	200	125	36	64	PASTEUR
1597	6.6 S	106.8 E	40	200	125	36	66	PASTEUR
1598	6.1 S	105.5 E	40	199	125	36	67	PASTEUR
1599	5.7 S	104.1 E	40	199	125	36	68	PASTEUR, SAHA
1600	5.2 S	102.9 E	40	199	125	36	70	PASTEUR, SAHA
1601	4.8 S	101.8 E	40	199	125	36	71	SAHA
1602	4.3 S	100.7 E	40	199	125	36	72	SAHA
1738	4.5 S	109.8 E	VERT		124	38	62	EINTHOVEN
1739	4.2 S	108.6 E	VERT		124	38	63	EINTHOVEN
1740	3.8 S	107.4 E	VERT		124	38	64	EINTHOVEN
1741	3.3 S	106.1 E	VERT		124	38	66	SAHA
1742	2.9 S	105.1 E	VERT		124	38	66	SAHA
1743	2.6 S	104.0 E	VERT		124	38	67	SAHA
1744	2.2 S	102.8 E	VERT		124	38	69	SAHA
1745	1.7 S	101.6 E	VERT		124	38	70	SAHA
1746	1.3 S	100.3 E	VERT		124	38	71	SAHA, WYLD
2022	7.4 S	109.8 E	VERT		116	49	50	EINTHOVEN
2023	7.0 S	108.9 E	VERT		116	49	51	EINTHOVEN
2024	6.5 S	107.7 E	VERT		116	49	52	EINTHOVEN
2025	6.0 S	106.3 E	VERT		116	49	54	EINTHOVEN, W RIM

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 100 TO 110 E

NASA PHOTO ASI?	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2026	5.5 S	105.2 E	VERT		116	49	55	SAHA, E WALL
2027	5.0 S	104.0 E	VERT		116	49	56	SAHA
2028	4.5 S	102.8 E	VERT		116	49	57	SAHA
2029	3.9 S	101.6 E	VERT		116	49	59	SAHA
2030	3.4 S	100.5 E	VERT		116	49	60	SAHA, WYLD
2181	12.2 S	109.9 E	38	290	114	62	36	MEITNER, KHWOLSON, PASTEUR
2182	11.7 S	108.7 E	39	290	114	62	38	PASTEUR
2183	11.2 S	107.2 E	41	290	113	62	39	PASTEUR
2184	10.7 S	105.9 E	42	290	113	62	41	PASTEUR
2185	10.2 S	104.4 E	43	290	117	62	42	PASTEUR
2186	9.6 S	103.0 E	45	291	117	62	44	PASTEUR, GANSKY
2187	9.1 S	101.8 E	46	291	117	62	45	PASTEUR, GANSKY
2188	8.5 S	100.5 E	47	291	117	62	46	GANSKY, HIRAYAMA
2353	7.5 S	103.6 E	40	20	116	65	40	PASTEUR
2354	7.1 S	102.3 E	40	21	116	65	42	PASTEUR
2355	6.6 S	100.9 E	40	20	116	65	43	PASTEUR, SAHA
2620	13.4 S	109.5 E	VERT		112	66	33	KHWOLSON, PASTEUR
2621	13.0 S	108.4 E	VERT		112	66	34	PASTEUR
2622	12.6 S	107.1 E	VERT		112	66	35	PASTEUR
2623	12.2 S	105.9 E	VERT		112	66	37	PASTEUR
2624	11.7 S	104.6 E	VERT		112	66	38	PASTEUR
2625	11.3 S	103.4 E	VERT		112	66	39	PASTEUR
2626	10.8 S	102.2 E	VERT		112	66	40	PASTEUR
2627	10.4 S	101.0 E	VERT		112	66	42	PASTEUR
2813	15.7 S	109.2 E	VERT		110	74	25	KHWOLSON, HILBERT, PASTEUR
2814	15.3 S	107.9 E	VERT		110	74	26	KHWOLSON, HILBERT, PASTEUR
2815	15.0 S	106.7 E	VERT		110	74	28	HILBERT, PASTEUR, BACKLUND
2816	14.7 S	105.5 E	VERT		110	74	29	HILBERT, PASTEUR, BACKLUND
2817	14.3 S	104.2 E	VERT		110	74	30	PASTEUR, BACKLUND
2818	13.9 S	103.0 E	VERT		110	74	31	PASTEUR, BACKLUND
2819	13.6 S	101.9 E	VERT		110	74	32	PASTEUR, BACKLUND
2820	13.1 S	100.7 E	VERT		110	74	34	PASTEUR
3190	.5 S	109.1 E				TE		PASTEUR, HILBERT, VIEW 60E-135E
3191	.7 S	108.4 E				TE		PASTEUR, HILBERT, VIEW 60E-135E
3192	1.7 N	107.5 E				TE		PASTEUR, HILBERT, VIEW 60E-135E
3193	2.4 N	106.3 E				TE		PASTEUR, HILBERT, VIEW 60E-135E
3194	3.5 N	104.9 E				TE		PASTEUR, HILBERT, VIEW 60E-135E
3195	3.5 N	102.4 E				TE		PASTEUR, HILBERT, VIEW 55E-135E
3196	4.3 N	102.4 E				TE		PASTEUR, HILBERT, VIEW 55E-135E
3197	6.0 N	102.3 E				TE		PASTEUR, HILBERT, VIEW 55E-135E

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 100 TO 110 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3198	7.2 N	100.6 E				TE		PASTEUR, HILBERT, VIEW 55E-135E

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 90 TO 100 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL	DESCRIPTION
253	10.9 N	98.8 E	VERT		146	02	69	DREYER, GINZEL
254	11.3 N	97.6 E	VERT		148	02	68	DREYER, GINZEL
255	11.4 N	96.4 E	VERT		150	02	66	DREYER, GINZEL
256	11.7 N	95.3 E	VERT		152	02	65	DREYER, GINZEL
257	12.1 N	94.1 E	VERT		154	02	64	IBN YUNUS
258	12.6 N	92.9 E	VERT		156	02	63	IBN YUNUS, AL BIRUNI, S BAY
259	13.0 N	91.9 E	VERT		158	02	61	IBN YUNUS, GODDARD
260	13.3 N	90.8 E	VERT		160	02	60	IBN YUNUS, GODDARD
397	7.2 N	99.3 E	VERT		126	14	80	MOISEEV, ERRO, DREYER
398	7.7 N	98.2 E	VERT		126	14	79	ERRO, DREYER
399	8.0 N	96.8 E	VERT		126	14	78	ERRO, DREYER
400	8.4 N	95.5 E	VERT		126	14	76	ERRO, DREYER
401	8.7 N	94.2 E	VERT		126	14	75	DREYER
402	9.2 N	92.9 E	VERT		126	14	74	DREYER, JANSKY
403	9.6 N	91.7 E	VERT		126	14	73	JANSKY
404	10.0 N	90.5 E	VERT		126	14	72	JANSKY
542	6.8 N	99.2 E	VERT		124	15	81	SAENGER, W RIM, ERRO
543	7.3 N	98.1 E	VERT		126	15	80	ERRO, DREYER
544	7.6 N	96.9 E	VERT		126	15	79	ERRO, DREYER
545	8.0 N	95.7 E	VERT		126	15	77	ERRO, DREYER
546	8.5 N	94.5 E	VERT		126	15	77	DREYER
547	8.8 N	93.3 E	VERT		126	15	76	DREYER, JANSKY
548	9.1 N	92.3 E	VERT		126	15	74	JANSKY
549	9.5 N	91.2 E	VERT		125	15	73	JANSKY
739	3.8 N	99.2 E	VERT		126	24	85	SAENGER, ERRO
740	4.1 N	98.0 E	VERT		126	24	85	ERRO, BABCOCK
741	4.5 N	96.8 E	VERT		126	24	85	ERRO, BABCOCK
742	5.0 N	95.7 E	VERT		126	24	84	ERRO, BABCOCK
743	5.4 N	94.4 E	VERT		126	24	83	ERRO, BABCOCK
744	5.9 N	93.4 E	VERT		125	24	83	BABCOCK
745	6.2 N	92.2 E	VERT		125	24	82	BABCOCK, JANSKY
746	6.6 N	91.2 E	VERT		125	24	81	BABCOCK, JANSKY
747	6.9 N	90.2 E	VERT		125	24	80	JANSKY
889	6.4 N	99.6 E	40	19	126	27	80	MOISEEV, ERRO
890	7.0 N	97.8 E	40	19	126	27	80	ERRO, DREYER
891	7.3 N	96.8 E	40	19	125	27	81	ERRO, DREYER
892	7.8 N	95.5 E	40	19	125	27	81	ERRO, DREYER
893	8.2 N	94.2 E	40	19	125	27	81	DREYER
894	8.6 N	93.0 E	40	19	125	27	80	DREYER, IBN YUNUS
895	9.2 N	91.7 E	40	19	125	27	80	IBN YUNUS, GODDARD

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 90 TO 100 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
896	9.7 N	90.4 E	40	18	124	27	79	IBN YUNUS, GODDARD
1163	2.2 N	99.9 E	VERT		126	28	81	SAENGER, ERRO
1164	2.6 N	98.8 E	VERT		126	28	82	SAENGER, ERRO
1165	3.0 N	97.6 E	VERT		126	28	83	ERRO, BABCOCK
1166	3.5 N	96.3 E	VERT		125	28	84	ERRO, BABCOCK
1167	3.9 N	94.9 E	VERT		125	28	84	ERRO, BABCOCK
1168	4.1 N	93.9 E	VERT		125	28	84	ERRO, BABCOCK
1169	4.6 N	93.0 E	VERT		125	28	84	BABCOCK
1170	5.0 N	91.7 E	VERT		125	28	84	BABCOCK, JANSKY
1171	5.4 N	90.6 E	VERT		125	28	84	BABCOCK, JANSKY
1444	1.8 N	100.0 E	VERT		126	29	80	SAENGER, WYLD, ERRO
1445	2.1 N	98.9 E	VERT		126	29	81	SAENGER, WYLD, ERRO
1446	2.6 N	97.7 E	VERT		125	29	82	ERRO, BABCOCK
1447	3.0 N	96.5 E	VERT		125	29	83	ERRO, BABCOCK
1448	3.4 N	95.3 E	VERT		125	29	84	ERRO, BABCOCK
1449	3.8 N	94.2 E	VERT		125	29	84	ERRO, BABCOCK
1450	4.4 N	93.0 E	VERT		125	29	84	BABCOCK
1451	4.8 N	91.9 E	VERT		125	29	84	BABCOCK, JANSKY
1452	5.2 N	90.8 E	VERT		125	29	84	BABCOCK, JANSKY
1603	3.7 S	99.5 E	40	199	125	36	74	SAHA, WYLD, HIRAYAMA
1604	3.1 S	97.9 E	40	199	125	36	75	WYLD, HIRAYAMA
1605	2.8 S	96.7 E	40	199	125	36	77	WYLD, HIRAYAMA, PURKYNE
1606	2.2 S	95.5 E	40	199	125	36	78	WYLD, HIRAYAMA, PURKYNE
1607	1.8 S	94.0 E	40	199	124	36	79	HIRAYAMA, PURKYNE
1608	1.4 S	92.8 E	40	199	124	36	81	HIRAYAMA, PURKYNE
1609	1.0 S	91.8 E	40	199	124	36	82	HIRAYAMA, PURKYNE, SMYTH'S SEA
1610	.6 S	90.4 E	40	199	124	36	83	HIRAYAMA, SMYTH'S SEA
1747	.9 S	99.3 E	VERT		124	38	72	WYLD
1748	.5 S	98.0 E	VERT		124	38	74	WYLD, PURKYNE
1749	.1 S	96.8 E	VERT		124	38	75	WYLD, PURKYNE
1750	.4 N	95.5 E	VERT		123	38	76	WYLD, PURKYNE
1751	.8 N	94.4 E	VERT		123	38	77	PURKYNE, BABCOCK
1752	1.2 N	93.4 E	VERT		123	38	78	PURKYNE, BABCOCK
1753	1.5 N	92.2 E	VERT		123	38	79	BABCOCK
1754	1.8 N	91.3 E	VERT		123	38	79	BABCOCK, SMYTH'S SEA
2031	2.7 S	99.3 E	VERT		116	49	61	SAHA, W RIM, WYLD
2032	2.2 S	98.4 E	VERT		116	49	62	SAHA
2033	1.7 S	97.1 E	VERT		116	49	63	SAHA, PURKYNE
2034	1.4 S	95.9 E	VERT		116	49	64	SAHA, PURKYNE
2035	.9 S	95.0 E	VERT		116	49	65	PURKYNE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 90 TO 100 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2036	.6 S	94.0 E	VERT		116	49	67	PURKYNE
2037	.0	93.0 E	VERT		116	49	68	SMYTH'S SEA
2038	.3 N	91.3 E	VERT		116	49	69	SMYTH'S SEA
2189	7.9 S	99.1 E	48	291	117	62	48	GANSKY, HIRAYAMA
2190	7.2 S	97.8 E	50	292	117	62	49	GANSKY, HIRAYAMA
2191	6.7 S	96.3 E	51	292	117	62	51	GANSKY, HIRAYAMA
2192	6.2 S	94.5 E	52	292	117	62	52	HIRAYAMA, MANEUVER TO VERTICAL
2193	5.9 S	94.1 E	49	292	117	62	53	HIRAYAMA
2194	5.7 S	93.7 E	45	293	117	62	53	HIRAYAMA
2195	5.4 S	92.9 E	40	293	117	62	54	HIRAYAMA
2196	5.0 S	92.2 E	37	293	117	62	55	HIRAYAMA
2197	4.7 S	91.3 E	33	292	117	62	56	HIRAYAMA
2198	4.4 S	90.5 E	30	295	117	62	57	HIRAYAMA, TAPE IN FRAME
2356	6.1 S	99.8 E	40	20	116	65	44	SAHA, WYLD
2357	5.2 S	98.7 E	40	20	116	65	46	SAHA, WYLD
2358	4.6 S	97.5 E	41	20	116	65	47	WYLD, HIRAYAMA
2359	4.1 S	96.0 E	40	20	116	65	48	WYLD, HIRAYAMA
2360	3.5 S	94.5 E	40	21	116	65	50	HIRAYAMA, PURKYNE
2361	3.1 S	93.3 E	40	20	116	65	51	HIRAYAMA, PURKYNE
2362	2.6 S	92.2 E	40	20	116	65	52	HIRAYAMA, PURKYNE
2363	2.2 S	91.0 E	40	20	116	65	53	HIRAYAMA, PURKYNE
2628	9.9 S	99.8 E	VERT		112	66	43	PASTEUR, GANSKY
2629	9.4 S	98.7 E	VERT		112	66	44	PASTEUR, GANSKY
2630	8.8 S	97.5 E	VERT		112	66	45	GANSKY
2631	8.4 S	96.2 E	VERT		112	66	47	GANSKY, HIRAYAMA
2632	8.0 S	95.1 E	VERT		112	66	48	GANSKY, HIRAYAMA
2633	7.5 S	93.8 E	VERT		112	66	49	HIRAYAMA
2634	7.1 S	92.6 E	VERT		112	66	50	HIRAYAMA
2635	6.6 S	91.4 E	VERT		112	66	52	HIRAYAMA
2636	6.1 S	90.1 E	VERT		112	66	53	HIRAYAMA
2821	12.5 S	99.0 E	VERT		110	74	35	PASTEUR, GANSKY, F WALL
2822	12.1 S	98.1 E	VERT		110	74	36	GANSKY
2823	11.6 S	96.9 E	VERT		110	74	38	GANSKY
2824	11.1 S	95.7 E	VERT		110	74	39	GANSKY
2825	10.7 S	94.6 E	VERT		110	74	40	GANSKY
2826	10.2 S	93.2 E	VERT		110	74	41	GANSKY, BRUNNER
2827	9.7 S	91.9 E	VERT		110	74	43	BRUNNER
2828	9.2 S	90.7 E	VERT		110	74	44	BRUNNER
3199	8.3 N	98.8 E				TE		PASTEUR, HILBERT, VIEW 55E-125E
3200	8.9 N	97.5 E				TE		PASTEUR, HILBERT, VIEW 55E-125E

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 90 TO 100 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT Km.	REV NO.	SUN EL.	DESCRIPTION
3201	10.0 N	97.0 E				TE		PASTEUR, HILBERT, VIEW 50E-135E
3202	12.5 N	95.5 E				TE		PASTEUR, HILBERT, VIEW 50E-135E
3203	14.5 N	95.0 E				TE		PASTEUR, HILBERT, VIEW 50E-135E
3204	15.0 N	93.0 E				TE		PASTEUR, HILBERT, VIEW 50E-135E
3205	16.0 N	91.5 E				TE		PASTEUR, HILBERT, VIEW 50E-135E

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 80 TO 90 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
261	13.7 N	89.4 E	VERT		162	02	59	IBN YUNUS, GODDARD
262	14.0 N	88.3 E	VERT		165	02	58	GODDARD
263	14.4 N	86.9 E	VERT		167	02	57	GODDARD
264	14.7 N	85 7 E	VERT		169	02	55	GODDARD, BORDER SEA
265	15.0 N	84.5 E	VERT		171	02	54	HANSEN B, CANNON
266	15.2 N	83.3 E	VERT		173	02	53	HANSEN B, CANNON, ALHAZEN B
267	15.5 N	82.2 E	VERT		175	02	52	HANSEN B, CANNON, ALHAZEN B
268	15.7 N	81.0 E	VERT		178	02	51	HANSEN B, CANNON, ALHAZEN B
405	10.4 N	89.3 E	VERT		125	14	70	JANSKY, NEPER, BORDER SEA
406	10.9 N	87.9 E	VERT		125	14	69	JANSKY, NEPER, BORDER SEA
407	11.3 N	86.7 E	VERT		125	14	68	NEPER, BORDER SEA
408	11.8 N	85.3 E	VERT		125	14	66	NEPER, BORDER SEA
409	12.1 N	84.0 E	VERT		125	14	65	NEPER, BORDER SEA
410	12.4 N	82.7 E	VERT		124	14	64	NEPER, BORDER SEA
411	12.8 N	81.3 E	VERT		124	14	62	NEPER, NW RIM, HANSEN B
550	10.1 N	89.9 E	VERT		125	15	72	JANSKY, NEPER
551	10.6 N	88.6 E	VERT		125	15	71	JANSKY, NEPER
552	10.9 N	87.5 E	VERT		125	15	69	JANSKY, NEPER
553	11.3 N	86.4 E	VERT		125	15	68	NEPER, BORDER SEA
554	11.7 N	85.1 E	VERT		125	15	67	NEPER, BORDER SEA
555	12.1 N	83.9 E	VERT		124	15	66	NEPER, BORDER SEA
556	12.4 N	82.5 E	VERT		124	15	65	NEPER, HANSEN B, BORDER SEA
557	12.8 N	81.2 E	VERT		124	15	63	HANSEN B, BORDER SEA
748	7.5 N	88.8 E	VERT		125	24	79	JANSKY, NEPER
749	8.0 N	87.8 E	VERT		125	24	78	JANSKY, NEPER
750	8.6 N	86.5 E	VERT		124	24	76	JANSKY, NEPER
751	9.0 N	85.4 E	VERT		124	24	75	NEPER
752	9.5 N	84.2 E	VERT		124	24	74	NEPER
753	9.8 N	82.8 E	VERT		124	24	73	NEPER
754	10.2 N	81.5 E	VERT		124	24	72	NEPER
755	10.6 N	80.3 E	VERT		123	24	70	NEPER, W WALL
897	10.2 N	89.2 E	40	18	124	27	79	GODDARD, NEPER
898	10.8 N	87.7 E	40	18	124	27	78	GODDARD, NEPER
899	11.2 N	86.4 E	40	18	124	27	77	GODDARD, NEPER
900	11.5 N	85.2 E	41	18	124	27	76	GODDARD, NEPER
901	11.9 N	84.0 E	40	18	123	27	75	GODDARD, NEPER
902	12.2 N	82.9 E	40	17	123	27	74	GODDARD, NEPER
903	12.6 N	81.3 E	40	17	123	27	73	GODDARD, HANSEN B
904	13.1 N	80.1 E	40	17	123	27	71	HANSEN B, ALHAZEN B
1172	5.8 N	89.4 E	VERT		124	29	82	JANSKY, NEPER K

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 80 TO 90 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1173	6.3 N	88.4 E	VERT		124	28	82	JANSKY, NEPER, K
1174	6.7 N	87.3 E	VERT		124	28	81	JANSKY, NEPER, K
1175	7.2 N	86.1 E	VERT		124	28	81	JANSKY, NEPER, K
1176	7.7 N	84.8 E	VERT		124	28	79	NEPER, G
1177	8.2 N	83.6 E	VERT		123	28	78	NEPER, G
1178	8.6 N	82.4 E	VERT		123	28	77	NEPER, G
1179	8.9 N	81.0 E	VERT		123	28	76	NEPER, G, D
1453	5.6 N	89.7 E	VERT		124	29	84	JANSKY, NEPER K
1454	6.1 N	88.6 E	VERT		124	29	83	JANSKY, NEPER K
1455	6.5 N	87.4 E	VERT		124	29	82	JANSKY, NEPER
1456	6.9 N	86.3 E	VERT		124	29	81	JANSKY, NEPER
1457	7.4 N	85.1 E	VERT		124	29	80	NEPER
1458	7.9 N	83.7 E	VERT		123	29	79	NEPER
1459	8.2 N	82.6 E	VERT		123	29	78	NEPER
1460	8.5 N	81.3 E	VERT		123	29	77	NEPER
1461	8.9 N	80.1 E	VERT		123	29	76	NEPER, W WALL
1611	.2 S	89.1 E	40	199	124	36	84	HIRAYAMA, SMYTH'S SEA
1612	.2 N	87.8 E	40	199	124	36	86	SMYTH'S SEA
1613	.6 N	86.5 E	40	199	123	36	87	SMYTH'S SEA
1614	1.0 N	85.1 E	40	199	123	36	88	SMYTH'S SEA, SCHUBERT, B
1615	1.5 N	83.7 E	40	199	123	36	88	SMYTH'S SEA, SCHUBERT, B
1616	1.9 N	82.6 E	40	199	123	36	87	SMYTH'S SEA, SCHUBERT, B
1617	2.3 N	81.3 E	40	199	123	36	86	SMYTH'S SEA, SCHUBERT, B
1618	2.7 N	80.1 E	40	199	122	36	85	SCHUBERT, B, BANACHIEWICZ
1755	2.3 N	90.0 E	VERT		123	38	81	SMYTH'S SEA
1756	2.8 N	88.6 E	VERT		123	38	82	SMYTH'S SEA, NEPER K
1757	3.2 N	87.5 E	VERT		122	38	83	SMYTH'S SEA, NEPER K
1758	3.6 N	86.3 E	VERT		122	38	83	SMYTH'S SEA, NEPER K
1759	4.1 N	85.0 E	VERT		122	38	84	SMYTH'S SEA, NEPER, K
1760	4.5 N	83.7 E	VERT		122	38	84	NEPER, K, SCHUBERT
1761	4.9 N	82.5 E	VERT		122	38	84	NEPER, K, SCHUBERT
1762	5.5 N	81.2 E	VERT		121	38	84	SCHUBERT, BANACHIEWICZ
1763	5.8 N	80.3 E	VERT		121	38	84	SCHUBERT, BANACHIEWICZ
2039	.9 N	89.9 E	VERT		116	49	70	SMYTH'S SEA
2040	1.5 N	88.7 E	VERT		116	49	71	SMYTH'S SEA
2041	1.9 N	87.3 E	VERT		116	49	72	SMYTH'S SEA, NEPER K
2042	2.4 N	86.5 E	VERT		116	49	73	SMYTH'S SEA, NEPER K
2043	2.9 N	85.3 E	VERT		116	49	75	SMYTH'S SEA, NEPER K
2044	3.4 N	84.2 E	VERT		116	49	76	NEPER K, SCHUBERT
2045	3.9 N	82.9 E	VERT		116	49	77	NEPER K, SCHUBERT

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 80 TO 90 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2046	4.4 N	81.7 E	VERT		114	49	78	SCHUBERT, BANACHIEWICZ
2047	4.9 N	80.4 E	VERT		116	49	79	SCHUBERT, BANACHIEWICZ
2199	4.2 S	89.6 E	26	295	117	62	57	SMYTH'S SEA, TAPE IN FRAME
2200	3.8 S	88.6 E	22	293	113	62	59	SMYTH'S SEA
2201	3.3 S	87.6 E	18	294	113	62	60	SMYTH'S SEA
2202	3.0 S	86.9 E	15	295	113	62	60	SMYTH'S SEA
2203	2.7 S	85.9 E	11	295	113	62	61	SMYTH'S SEA
2204	2.2 S	85.0 E	7	295	113	62	62	SMYTH'S SEA
2205	1.9 S	84.0 E	3		113	62	63	SMYTH'S SEA
2206	1.3 S	82.5 E	VERT		113	62	65	SMYTH'S SEA
2207	.8 S	81.7 E	VERT		113	62	66	SCHUBERT B, GILBERT U
2208	.4 S	80.8 E	VERT		113	62	67	SCHUBERT B, GILBERT U
2364	1.7 S	89.7 E	40	21	116	65	55	SMYTH'S SEA
2365	1.1 S	88.3 E	40	23	112	65	56	SMYTH'S SEA
2366	.6 S	87.2 E	40	23	112	65	57	SMYTH'S SEA
2367	.2 S	86.0 E	40	23	112	65	59	SMYTH'S SEA
2368	.3 N	84.5 E	40	23	112	65	60	SMYTH'S SEA, SCHUBERT
2369	.8 N	83.3 E	40	23	112	65	61	SMYTH'S SEA, SCHUBERT, B
2370	1.3 N	82.1 E	40	23	112	65	62	SMYTH'S SEA, SCHUBERT, B
2371	1.6 N	80.7 E	40	22	112	65	63	SCHUBERT, B
2637	5.7 S	89.1 E	VERT		112	66	54	HIRAYAMA, SMYTH'S SEA
2638	5.2 S	87.9 E	VERT		112	66	55	SMYTH'S SEA
2639	4.7 S	86.6 E	VERT		112	66	56	SMYTH'S SEA
2640	4.1 S	85.4 E	VERT		112	66	58	SMYTH'S SEA
2641	3.6 S	84.1 E	VERT		112	66	59	SMYTH'S SEA
2642	3.1 S	83.1 E	VERT		112	66	60	SMYTH'S SEA, GILBERT U
2643	2.6 S	82.0 E	VERT		112	66	61	SMYTH'S SEA, GILBERT U
2644	2.0 S	80.7 E	VERT		112	66	63	SMYTH'S SEA, GILBERT U, K
2829	8.8 S	89.5 E	VERT		110	74	45	BRUNNER
2830	8.3 S	88.2 E	VERT		110	74	47	BRUNNER, W WALL
2831	7.9 S	87.1 E	VERT		110	74	48	SMYTH'S SEA
2832	7.3 S	85.9 E	VERT		110	74	50	SMYTH'S SEA
2833	6.8 S	84.7 E	VERT		110	74	51	SMYTH'S SEA, KAISER P
2834	6.4 S	83.5 E	VERT		110	74	52	SMYTH'S SEA, KAISER, P
2835	6.0 S	82.2 E	VERT		110	74	53	SMYTH'S SEA, KAISER, P
2836	5.5 S	81.1 E	VERT		110	74	54	SMYTH'S SEA, KAISER, P, C
3206	17.0 N	90.0 E				TF		PASTEUR, HILBERT, VIEW 80E-135E
3207	18.0 N	88.0 E				TF		PASTEUR, HILBERT, VIEW 80E-135E
3208	21.0 N	86.0 E				TF		PASTEUR, HILBERT, VIEW 80E-135E
3209	22.0 N	84.0 E				TF		PASTEUR, HILBERT, VIEW 80E-135E

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 80 TO 90 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3210	22.0 N	85.0 E				TE		PASTEUR, HILBERT, VIEW 45E-135E

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 79 TO 80 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
269	16.0 N	79.8 E	VERT		180	02	49	HANSEN B, CANNON, ALHAZEN B
270	16.2 N	78.4 E	VERT		182	02	48	HANSEN B, CANNON, ALHAZEN B
271	16.5 N	77.3 E	VERT		184	02	47	HANSEN
272	16.8 N	75.9 E	VERT		186	02	46	HANSEN, ALHAZEN
273	17.1 N	74.7 E	VERT		189	02	45	HANSEN, ALHAZEN
274	17.3 N	73.4 E	VERT		191	02	43	HANSEN, ALHAZEN
275	17.4 N	72.4 E	VERT		193	02	42	HANSEN, ALHAZEN
276	17.7 N	71.1 E	VERT		195	02	41	HANSEN, ALHAZEN
412	13.3 N	79.9 E	VERT		124	14	61	HANSEN B
413	13.6 N	78.6 E	VERT		124	14	60	HANSEN B
414	14.0 N	77.2 E	VERT		124	14	58	HANSEN B
415	14.4 N	75.9 E	VERT		123	14	57	HANSEN, ALHAZEN A
416	14.7 N	74.3 E	VERT		123	14	55	HANSEN, ALHAZEN
417	15.0 N	73.0 E	VERT		123	14	54	HANSEN, ALHAZEN
418	15.3 N	71.7 E	VERT		123	14	53	HANSEN, ALHAZEN, CONDORCET
419	15.6 N	70.3 E	VERT		122	14	52	HANSEN, ALHAZEN, CONDORCET
558	13.1 N	80.0 E	VERT		124	15	62	HANSEN B, BORDER SEA
559	13.3 N	78.8 E	VERT		124	15	61	HANSEN B
560	13.7 N	77.6 E	VERT		124	15	60	HANSEN B
561	14.0 N	76.4 E	VERT		123	15	59	HANSEN A, ALHAZEN A
562	14.4 N	75.0 E	VERT		123	15	57	HANSEN, ALHAZEN
563	14.7 N	73.8 E	VERT		123	15	56	HANSEN, ALHAZEN
564	15.0 N	72.6 E	VERT		123	15	55	HANSEN, ALHAZEN, CONDORCET
565	15.2 N	71.6 E	VERT		122	15	54	HANSEN, ALHAZEN, CONDORCET
566	15.5 N	70.3 E	VERT		122	15	53	HANSEN, ALHAZEN, CONDORCET
756	10.9 N	79.1 E	VERT		123	24	69	NEPER D, CONDORCET K
757	11.1 N	78.0 E	VERT		123	24	68	NEPER D, W RIM, CONDORCET K
758	11.5 N	76.8 E	VERT		123	24	67	CONDORCET K, HANSEN A
759	11.8 N	75.5 E	VERT		122	24	66	CONDORCET K, HANSEN
760	12.2 N	74.3 E	VERT		122	24	64	HANSEN
761	12.6 N	72.9 E	VERT		122	24	63	HANSEN, CONDORCET
762	13.0 N	71.7 E	VERT		122	24	62	HANSEN, CONDORCET
763	13.3 N	70.4 E	VERT		121	24	61	HANSEN, CONDORCET
905	13.6 N	78.4 E	40	16	122	27	70	HANSEN B, ALHAZEN B
906	14.0 N	77.3 E	40	16	122	27	69	HANSEN B, ALHAZEN B
907	14.5 N	76.1 E	40	16	122	27	68	HANSEN, ALHAZEN
908	14.9 N	74.6 E	40	16	122	27	67	HANSEN, ALHAZEN
909	15.2 N	73.3 E	40	16	121	27	65	HANSEN, ALHAZEN
910	15.6 N	71.7 E	40	16	121	27	64	HANSEN, ALHAZEN, CONDORCET
911	16.1 N	70.6 E	40	16	121	27	63	HANSEN, ALHAZEN, CONDORCET

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 70 TO 80 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1180	9.3 N	79.9 E	VERT		123	28	75	NEPER D
1181	9.7 N	78.7 E	VERT		122	28	74	NEPER D, CONDORCET K
1182	10.0 N	77.5 E	VERT		122	28	72	CONDORCET K
1183	10.4 N	76.2 E	VERT		122	28	71	CONDORCET F, HANSEN A
1184	10.8 N	75.0 E	VERT		122	28	70	CONDORCET F, HANSEN
1185	11.1 N	73.8 E	VERT		121	28	69	CONDORCET F, HANSEN
1186	11.5 N	72.7 E	VERT		121	28	68	CONDORCET, HANSEN
1187	11.8 N	71.4 E	VERT		121	28	66	CONDORCET, HANSEN
1188	12.2 N	70.2 E	VERT		121	28	65	CONDORCET, HANSEN
1462	9.3 N	79.0 E	VERT		122	29	75	NEPER D, CONDORCET K
1463	9.7 N	77.6 E	VERT		122	29	74	CONDORCET K
1464	10.1 N	76.3 E	VERT		122	29	72	CONDORCET F, HANSEN A
1465	10.5 N	75.1 E	VERT		122	29	71	CONDORCET F, HANSEN
1466	10.8 N	73.8 E	VERT		121	29	70	CONDORCET F, HANSEN
1467	11.3 N	72.5 E	VERT		121	29	68	CONDORCET, F, HANSEN
1468	11.6 N	71.4 E	VERT		121	29	67	CONDORCET, F, HANSEN
1469	11.9 N	70.2 E	VERT		121	29	66	CONDORCET, HANSEN
1619	3.3 N	78.8 E	40	199	122	36	84	SCHUBERT, B, BANACHIEWICZ
1620	3.8 N	77.6 E	40	199	121	36	83	SCHUBERT, B, BANACHIEWICZ
1621	4.2 N	76.3 E	40	198	121	36	81	BANACHIEWICZ, B, F
1622	4.7 N	75.0 E	40	198	121	36	79	BANACHIEWICZ F
1623	5.3 N	73.7 E	40	198	121	36	79	BANACHIEWICZ F, DUBIAGO
1624	5.7 N	72.7 E	40	198	120	36	77	BANACHIEWICZ F, DUBIAGO, CONDORCET F, P
1625	6.0 N	71.5 E	40	198	120	36	76	DUBIAGO, CONDORCET F, P
1764	6.2 N	79.1 E	VERT		121	38	83	SCHUBERT, BANACHIEWICZ
1765	6.5 N	78.0 E	VERT		121	38	82	BANACHIEWICZ
1766	7.0 N	76.7 E	VERT		121	38	81	BANACHIEWICZ, F
1767	7.4 N	75.5 E	VERT		120	38	80	BANACHIEWICZ F, CONDORCET F
1768	7.9 N	74.6 E	VERT		120	38	79	BANACHIEWICZ F, CONDORCET F
1769	8.4 N	73.3 E	VERT		120	38	78	CONDORCET F
1770	8.9 N	72.1 E	VERT		120	38	77	CONDORCET, F, P
1771	9.2 N	70.8 E	VERT		120	38	75	CONDORCET, P
2048	5.3 N	79.5 E	VERT		116	49	80	BANACHIEWICZ
2049	5.8 N	78.2 E	VERT		116	49	80	BANACHIEWICZ, B
2050	6.3 N	76.9 E	VERT		116	49	80	BANACHIEWICZ, F
2051	6.7 N	75.8 E	VERT		116	49	81	BANACHIEWICZ F, CONDORCET F
2052	7.1 N	74.8 E	VERT		116	49	81	BANACHIEWICZ F, CONDORCET F
2053	7.6 N	73.7 E	VERT		116	49	81	CONDORCET F
2054	8.2 N	72.4 E	VERT		116	49	81	CONDORCET F, P
2055	8.7 N	71.3 E	VERT		116	49	81	CONDORCET, P

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 70 TO 80 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2209	.1 N	79.7 E	VERT		113	62	68	SCHUBERT B, GILBERT U
2210	.8 N	78.3 E	VERT		113	62	69	SCHUBERT B, GILBERT U
2211	1.3 N	77.3 E	VERT		113	62	70	GILBERT M, SCHUBERT Y
2212	1.8 N	76.1 E	VERT		113	62	71	SCHUBERT Y
2213	2.3 N	75.1 E	VERT		113	62	72	SCHUBERT Y, DUBIAGO S
2214	2.9 N	73.8 E	VERT		113	62	73	SCHUBERT Y, DUBIAGO S
2215	3.4 N	72.8 E	VERT		113	62	74	DUBIAGO, S
2216	3.7 N	71.9 E	VERT		113	62	75	DUBIAGO, S
2217	4.2 N	70.9 E	VERT		113	62	76	DUBIAGO
2372	1.6 N	79.1 E	33	22	112	65	65	SCHUBERT, B
2373	1.3 N	77.4 E	18	24	112	65	67	SCHUBERT Y
2374	1.3 N	75.7 E	5	27	112	65	69	SCHUBERT Y
2375	.6 N	74.2 E	8	203	112	65	70	SCHUBERT Y
2376	.3 N	72.7 E	22	204	112	65	72	MACLAURIN, C, L
2377	.1 S	70.5 E	35	204	112	65	74	MACLAURIN, C, L
2645	1.5 S	79.7 E	VERT		112	66	64	GILBERT M, N
2646	1.0 S	78.6 E	VERT		112	66	65	GILBERT M, N
2647	.4 S	77.3 E	VERT		112	66	66	GILBERT M, N, SCHUBERT Y
2648	.2 N	76.1 E	VERT		112	66	67	SCHUBERT Y
2649	.7 N	75.0 E	VERT		112	66	68	SCHUBERT Y
2650	1.1 N	73.8 E	VERT		112	66	69	SCHUBERT Y, N
2651	1.6 N	72.7 E	VERT		112	66	70	SCHUBERT N, DUBIAGO S
2652	2.1 N	71.5 E	VERT		112	66	72	SCHUBERT N, DUBIAGO
2653	2.6 N	70.3 E	VERT		112	66	73	DUBIAGO, B
2837	5.0 S	79.9 E	VERT		110	74	55	SMYTH'S SEA, KASTNER, S
2838	4.5 S	78.6 E	VERT		110	74	56	SMYTH'S SEA, KASTNER, S
2839	3.9 S	77.4 E	VERT		110	74	58	KASTNER, GILBERT
2840	3.4 S	76.2 E	VERT		110	74	59	KASTNER, G, BERT
2841	2.9 S	75.1 E	VERT		110	74	60	GILBERT
2842	2.3 S	74.0 E	VERT		110	74	61	GILBERT
2843	1.7 S	72.8 E	VERT		110	74	62	GILBERT
2844	1.2 S	71.7 E	VERT		110	74	63	MACLAURIN, E MAR
2845	.7 S	70.5 E	VERT		110	74	65	MACLAURIN
3211	25.0 N	80.0 E				TE		PASTEUR, HILBERT, VIEW NSF-135F
3212	25.0 N	80.0 E				TE		PASTEUR, HILBERT, VIEW NSF-135F
3213	30.0 N	80.0 E				TE		PASTEUR, HILBERT, VIEW NSF-135F
3214	30.0 N	80.0 E				TE		PASTEUR, HILBERT, VIEW NSF-135F
3215	35.0 N	75.0 E				TE		PASTEUR, HILBERT, VIEW NSF-135F
3216	35.0 N	75.0 E				TE		PASTEUR, HILBERT, VIEW NSF-135F

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 60 TO 70 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
277	17.9 N	69.8 E	VERT		197	02	40	ALHAZEN, CONDORCET
278	18.1 N	68.4 E	VERT		200	02	39	CONDORCET, EIMMART, B, H
279	18.4 N	67.2 E	VERT		202	02	38	CONDORCET, EIMMART, B, H
280	18.6 N	66.2 E	VERT		204	02	36	EIMMART, H, C, CRISES, SEA OF
281	18.8 N	65.2 E	VERT		206	02	35	EIMMART, H, C, CRISES, SEA OF
282	18.8 N	64.2 E	VERT		209	02	34	EIMMART, H, C, CRISES, SEA OF
283	18.9 N	62.8 E	VERT		211	02	33	EIMMART, H, C, CRISES, SEA OF
284	19.2 N	61.5 E	VERT		213	02	32	EIMMART, H, C, PICARD
285	19.3 N	60.2 E	VERT		215	02	31	EIMMART, PICARD
420	15.8 N	68.8 E	VERT		122	14	50	ALHAZEN, CONDORCET
421	16.1 N	67.6 E	VERT		122	14	49	CONDORCET W, Y
422	16.4 N	66.3 E	VERT		122	14	48	CONDORCET W, CRISES, SEA OF
423	16.8 N	65.3 E	VERT		121	14	47	CONDORCET W, CRISES, SEA OF
424	17.2 N	63.7 E	VERT		121	14	45	CONDORCET W, W OF, CRISES, SEA OF
425	17.5 N	62.2 E	VERT		121	14	44	CONDORCET W, W OF, CRISES, SEA OF
426	17.8 N	60.6 E	VERT		120	14	42	PEIRCE, E OF, CRISES, SEA OF
567	15.8 N	69.1 E	VERT		122	15	51	ALHAZEN, CONDORCET
568	16.1 N	67.8 E	VERT		122	15	50	CONDORCET, CRISES, SEA OF
569	16.4 N	66.5 E	VERT		121	15	49	CONDORCET W, CRISES, SEA OF
570	16.6 N	65.5 E	VERT		121	15	48	CONDORCET W, CRISES, SEA OF
571	17.0 N	64.1 E	VERT		121	15	46	CRISES, SEA OF
572	17.3 N	63.1 E	VERT		120	15	45	CRISES, SEA OF
573	17.7 N	61.3 E	VERT		120	15	44	CRISES, SEA OF
764	13.7 N	69.4 E	VERT		121	24	60	HANSEN, CONDORCET
765	14.0 N	68.3 E	VERT		121	24	58	CONDORCET
766	14.5 N	67.1 E	VERT		121	24	57	CONDORCET
767	14.8 N	66.1 E	VERT		120	24	56	CONDORCET W, CRISES, SEA OF
768	15.2 N	64.9 E	VERT		120	24	55	PICARD X, CRISES, SEA OF
769	15.6 N	63.6 E	VERT		120	24	54	PICARD X, Y, CRISES, SEA OF
770	15.8 N	62.0 E	VERT		119	24	52	PICARD X, Y, CRISES, SEA OF
771	16.1 N	60.4 E	VERT		119	24	51	PICARD X, Y, CRISES, SEA OF
912	16.4 N	69.4 E	40	15	120	27	62	HANSEN, ALHAZEN, CONDORCET
913	16.7 N	68.1 E	40	15	120	27	60	A HAZEN, EIMMART
914	17.1 N	66.9 E	40	15	120	27	59	EIMMART, C, CRISES, SEA OF
915	17.5 N	65.4 E	40	15	119	27	58	EIMMART, C, CRISES, SEA OF
916	17.7 N	63.8 E	40	15	119	27	56	EIMMART, C, CRISES, SEA OF
917	18.0 N	62.2 E	40	14	119	27	55	EIMMART, C, CRISES, SEA OF
918	18.2 N	61.2 E	40	14	119	27	54	EIMMART, C, CRISES, SEA OF
1189	12.5 N	69.0 E	VERT		120	38	64	CONDORCET, HANSEN
1190	12.9 N	67.6 E	VERT		120	38	63	CONDORCET, A

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 60 TO 70 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1191	13.3 N	66.4 E	VERT		120	28	61	CONDORCET, A
1192	13.6 N	65.4 E	VERT		120	28	60	CONDORCET A, H
1193	13.9 N	64.1 E	VERT		119	28	59	CONDORCET H, PICARD X, Y
1194	14.2 N	62.8 E	VERT		119	28	58	PICARD X, Y, CRISES, SEA OF
1195	14.4 N	61.3 E	VERT		119	28	57	PICARD X, Y, CRISES, SEA OF
1470	12.3 N	69.1 E	VERT		120	29	65	CONDORCET, HANSEN
1471	12.7 N	67.8 E	VERT		120	29	64	CONDORCET
1472	13.0 N	66.6 E	VERT		120	29	63	CONDORCET, AUZOUT
1473	13.4 N	65.5 E	VERT		119	29	62	CONDORCET A, H, AUZOUT
1474	13.8 N	63.9 E	VERT		119	29	60	AUZOUT, PICARD X
1475	14.0 N	62.6 E	VERT		119	29	59	AUZOUT, PICARD X, Y
1476	14.3 N	61.3 E	VERT		119	29	57	PICARD X, Y, CRISES, SEA OF
1626	6.5 N	69.8 E	40	197	120	36	75	DUBIAGO, CONDORCET F, P
1627	7.1 N	68.5 E	40	197	120	36	73	DUBIAGO, CONDORCET P
1628	7.5 N	67.1 E	40	197	119	36	72	DUBIAGO, FIRMICUS
1629	8.0 N	66.1 E	40	197	119	36	71	FIRMICUS, AUZOUT
1630	8.3 N	64.6 E	40	196	119	36	69	FIRMICUS, AUZOUT
1631	8.8 N	63.5 E	40	195	118	36	68	FIRMICUS, AUZOUT
1632	9.1 N	62.1 E	40	195	118	36	67	FIRMICUS, AUZOUT
1633	9.5 N	60.2 E	40	195	118	36	65	FIRMICUS, PICARD H
1772	9.8 N	69.5 E	VERT		119	38	74	CONDORCET, P
1773	10.2 N	68.3 E	VERT		119	38	73	CONDORCET, P
1774	10.4 N	67.2 E	VERT		119	38	72	CONDORCET, AUZOUT
1775	10.8 N	65.9 E	VERT		119	38	71	CONDORCET, AUZOUT
1776	11.1 N	64.6 E	VERT		118	38	70	AUZOUT, A
1777	11.6 N	63.3 E	VERT		118	38	68	AUZOUT, A
1778	12.0 N	62.0 E	VERT		118	38	67	AUZOUT, A, PICARD X, Y
1779	12.5 N	60.9 E	VERT		117	38	66	PICARD X, Y, CRISES, SEA OF
2056	9.3 N	70.0 E	VERT		116	49	80	CONDORCET, P
2057	9.8 N	68.7 E	VERT		116	49	79	CONDORCET, AUZOUT B
2058	10.3 N	67.6 E	VERT		116	49	79	CONDORCET, AUZOUT
2059	10.6 N	66.4 E	VERT		116	49	78	CONDORCET, AUZOUT B
2060	11.0 N	65.2 E	VERT		116	49	77	AUZOUT
2061	11.6 N	63.9 E	VERT		116	49	76	AUZOUT, PICARD X
2062	12.0 N	62.6 E	VERT		116	49	75	PICARD X, Y, CRISES, SEA OF
2063	12.5 N	61.4 E	VERT		116	49	74	PICARD X, Y, CRISES, SEA OF
2218	4.7 N	69.7 E	VERT		113	62	76	DUBIAGO
2219	5.2 N	68.5 E	VERT		113	62	77	DUBIAGO
2220	5.8 N	67.1 E	VERT		113	62	78	FIRMICUS A
2221	6.5 N	65.3 E	VERT		112	62	79	FIRMICUS, A

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 60 TO 70 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2222	6.9 N	64.2 E	VERT		112	62	79	FIRMICUS, A
2223	7.4 N	63.0 E	VERT		112	62	80	FIRMICUS, A
2224	7.8 N	61.9 E	VERT		112	62	80	FIRMICUS, APOLLONIUS
2225	8.3 N	60.7 E	VERT		112	62	80	FIRMICUS, APOLLONIUS, F
2378	.0	69.4 E	40	203	112	65	75	MACLAURIN
2379	.5 N	68.1 E	40	203	112	65	76	MACLAURIN
2380	.9 N	67.1 E	40	202	112	65	77	MACLAURIN, DUBIAGO P, Q
2381	1.4 N	65.5 E	40	202	112	65	78	DUBIAGO P, Q
2382	2.0 N	64.3 E	40	202	112	65	80	APOLLONIUS G, S
2383	2.6 N	63.0 E	40	202	112	65	81	APOLLONIUS G, S
2384	3.1 N	61.7 E	40	203	112	65	82	APOLLONIUS
2385	3.8 N	60.4 E	40	203	112	65	83	APOLLONIUS, WEBB, P
2654	3.1 N	69.2 E	VERT		112	66	74	DUBIAGO, B
2655	3.6 N	68.1 E	VERT		112	66	75	DUBIAGO, B, FIRMICUS M
2656	4.0 N	67.1 E	VERT		112	66	75	FIRMICUS M, FOAMING SEA
2657	4.5 N	65.9 E	VERT		112	66	76	FIRMICUS M, FOAMING SEA
2658	5.1 N	64.6 E	VERT		112	66	77	FIRMICUS, M
2659	5.6 N	63.4 E	VERT		112	66	78	FIRMICUS, APOLLONIUS
2660	6.2 N	62.1 E	VERT		112	66	79	FIRMICUS, APOLLONIUS
2661	6.8 N	60.7 E	VERT		112	66	80	FIRMICUS, APOLLONIUS
2846	.2 S	69.4 E	VERT		110	74	66	MACLAURIN, Q, FOAMING SEA
2847	.2 N	68.4 E	VERT		110	74	67	MACLAURIN, Q, FOAMING SEA
2848	.6 N	67.5 E	VERT		110	74	68	MACLAURIN Q, FOAMING SEA
2849	1.0 N	66.4 E	VERT		110	74	69	MACLAURIN Q, FOAMING SEA
2850	1.5 N	65.0 E	VERT		110	74	70	FOAMING SEA, APOLLONIUS G
2851	2.0 N	63.9 E	VERT		110	74	71	FOAMING SEA, APOLLONIUS G
2852	2.6 N	62.6 E	VERT		111	74	72	FOAMING SEA, APOLLONIUS G
2853	3.1 N	61.2 E	VERT		111	74	74	APOLLONIUS, WEBB, P

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 50 TO 60 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
286	19.4 N	58.9 E	VERT		217	02	29	PICARD, PEIRCE
287	19.7 N	57.4 E	VERT		220	02	28	PICARD, PEIRCE
288	19.6 N	56.1 E	VERT		222	02	27	PICARD, PEIRCE
289	19.7 N	54.7 E	VERT		224	02	26	PICARD, PEIRCE
290	19.6 N	53.7 E	VERT		226	02	25	PICARD, PEIRCE
291	19.9 N	51.9 E	VERT		228	02	24	PICARD, PEIRCE, MACROBIUS
292	20.0 N	51.0 E	VERT		230	02	22	PEIRCE, MACROBIUS
427	18.0 N	59.0 E	VERT		120	14	41	PEIRCE, E OF, CRISES, SEA OF
428	18.1 N	57.5 E	VERT		120	14	39	PEIRCE, E OF, CRISES, SEA OF
429	18.3 N	56.1 E	VERT		119	14	38	PEIRCE, CRISES, SEA OF
430	18.4 N	54.8 E	VERT		119	14	37	PEIRCE
431	18.5 N	53.4 E	VERT		119	14	35	PEIRCE
432	18.8 N	51.8 E	VERT		118	14	34	PEIRCE
433	19.2 N	50.3 E	VERT		118	14	32	PEIRCE, TISSERAND
574	17.9 N	59.9 E	VERT		120	15	42	CRISES, SEA OF
575	18.1 N	58.7 E	VERT		120	15	41	CRISES, SEA OF
576	18.2 N	57.3 E	VERT		119	15	40	CRISES, SEA OF
577	18.3 N	55.9 E	VERT		119	15	39	PEIRCE, CRISES, SEA OF
578	18.3 N	54.5 E	VERT		119	15	37	PEIRCE, CRISES, SEA OF
579	18.4 N	53.2 E	VERT		118	15	36	PEIRCE, CRISES, SEA OF
580	18.5 N	52.0 E	VERT		118	15	35	PEIRCE, CRISES, SEA OF
581	18.7 N	50.4 E	VERT		118	15	33	PEIRCE, TISSERAND
772	16.4 N	59.0 E	VERT		119	24	49	PICARD Y, CRISES, SEA OF
773	16.7 N	57.4 E	VERT		119	24	48	PICARD, CRISES, SEA OF
774	16.7 N	56.2 E	VERT		118	24	47	PICARD, PEIRCE
775	16.8 N	55.0 E	VERT		118	24	45	PICARD, PEIRCE, YERKES
776	17.0 N	53.9 E	VERT		117	24	44	PICARD, PEIRCE, YERKES
777	17.1 N	52.3 E	VERT		117	24	43	PICARD, PEIRCE, YERKES
778	17.3 N	51.1 E	VERT		117	24	42	PEIRCE, YERKES
919	18.7 N	59.9 E	40	13	118	27	52	FITTART, C, CRISES, SEA OF
920	18.7 N	58.6 E	40	12	118	27	51	FITTART, C, CRISES, SEA OF
921	19.1 N	56.8 E	40	12	117	27	50	PEIRCE, A, CRISES, SEA OF
922	19.5 N	54.9 E	40	11	117	27	48	PEIRCE, A, CRISES, SEA OF
923	19.8 N	53.5 E	40	10	117	27	47	PEIRCE, A, CRISES, SEA OF
924	20.2 N	52.2 E	40	10	116	27	46	PEIRCE, A, CRISES, SEA OF
925	20.6 N	50.7 E	40	10	116	27	44	PEIRCE, A, CRISES, SEA OF
1196	14.7 N	60.0 E	VERT		118	28	59	PICARD A, Y, CRISES, SEA OF
1197	15.0 N	58.7 E	VERT		118	28	58	PICARD Y, CRISES, SEA OF
1198	15.3 N	57.3 E	VERT		118	28	56	PICARD, CRISES, SEA OF
1199	15.5 N	56.2 E	VERT		117	28	55	PICARD, CRISES, SEA OF

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 50 TO 60 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1200	15.8 N	54.9 E	VERT		117	28	50	PICARD, PEIRCE, YERKES
1201	16.1 N	53.6 E	VERT		117	28	49	PICARD, PEIRCE, YERKES
1202	16.4 N	52.3 E	VERT		116	28	48	PICARD, PEIRCE, YERKES
1203	16.8 N	50.9 E	VERT		116	28	46	PEIRCE, YERKES
1477	14.5 N	60.0 E	VERT		118	29	56	PICARD X, Y, CRISES, SEA OF
1478	14.7 N	58.8 E	VERT		118	29	55	PICARD Y, CRISES, SEA OF
1479	15.0 N	57.5 E	VERT		118	29	54	PICARD, CRISES, SEA OF
1480	15.3 N	56.2 E	VERT		117	29	53	PICARD, CRISES, SEA OF
1481	15.6 N	55.0 E	VERT		117	29	51	PICARD, YERKES, PEIRCE
1482	15.9 N	53.8 E	VERT		117	29	50	PICARD, YERKES, PEIRCE
1483	16.2 N	52.3 E	VERT		116	29	49	PICARD, YERKES, PEIRCE
1484	16.6 N	51.0 E	VERT		116	29	47	YERKES, PEIRCE
1634	9.8 N	59.1 E	40	195	118	36	64	PICARD H, CRISES, SEA OF
1635	9.9 N	57.5 E	40	195	117	36	62	PICARD H, CRISES, SEA OF
1636	10.4 N	55.8 E	40	195	117	36	61	PICARD H, CRISES, SEA OF
1637	10.9 N	54.3 E	40	195	117	36	60	PICARD H, LICK
1638	11.1 N	53.1 E	40	194	116	36	58	PICARD H, LICK
1639	11.3 N	52.1 E	40	194	116	36	57	PICARD H, LICK
1640	11.7 N	51.0 E	40	193	116	36	56	LICK, YERKES
1780	12.8 N	59.7 E	VERT		117	38	65	PICARD X, Y, CRISES, SEA OF
1781	13.1 N	58.5 E	VERT		117	38	63	PICARD Y, Z, CRISES, SEA OF
1782	13.3 N	57.3 E	VERT		117	38	62	PICARD, Z, CRISES, SEA OF
1783	13.5 N	56.0 E	VERT		116	38	61	PICARD, Z, CRISES, SEA OF
1784	13.8 N	54.6 E	VERT		116	38	60	PICARD, LICK, CRISES, SEA OF
1785	14.1 N	53.3 E	VERT		116	38	59	PICARD, LICK
1786	14.4 N	51.9 E	VERT		115	38	57	LICK, YERKES
1787	14.7 N	50.6 E	VERT		115	38	56	LICK, YERKES, SLAUGHER
2064	12.9 N	60.0 E	VERT		116	49	73	PICARD X, Y, CRISES, SEA OF
2065	13.3 N	58.8 E	VERT		116	49	72	PICARD Y, CRISES, SEA OF
2066	13.7 N	57.6 E	VERT		116	49	71	PICARD, CRISES, SEA OF
2067	14.0 N	56.4 E	VERT		116	49	70	PICARD, CRISES, SEA OF
2068	14.4 N	55.3 E	VERT		116	49	69	PICARD, LICK
2069	14.8 N	54.0 E	VERT		116	49	68	PICARD, LICK, YERKES
2070	15.1 N	52.8 E	VERT		116	49	66	LICK, YERKES
2071	15.5 N	51.4 E	VERT		116	49	65	YERKES
2072	16.0 N	50.2 E	VERT		116	49	64	PROCLUS, E BAIL
2226	8.6 N	59.5 E	VERT		112	62	80	APOLLONIUS F, A ZONT S
2227	9.1 N	58.2 E	VERT		112	62	80	A ZONT S, PICARD H
2228	9.5 N	57.0 E	VERT		112	62	79	PICARD H
2229	10.0 N	55.9 E	VERT		112	62	79	PICARD H, L

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 50 TO 60 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2230	10.4 N	54.8 E	VERT		112	62	79	PICARD H, J
2231	10.9 N	53.3 E	VERT		112	62	78	LICK, D
2232	11.2 N	52.5 E	VERT		112	62	77	LICK, D
2233	11.7 N	51.2 E	VERT		112	62	76	LICK, D, GLAISHER
2234	12.0 N	50.1 E	VERT		112	62	75	GLAISHER, A
2384	4.3 N	59.0 E	40	203	112	65	83	APOLLONIUS, WEBB, P
2387	4.7 N	57.7 E	40	203	112	65	84	APOLLONIUS K, WEBB, P
2388	5.4 N	56.3 E	40	203	112	65	84	APOLLONIUS K, WEBB P
2389	5.9 N	55.2 E	40	202	112	65	84	APOLLONIUS K
2390	6.4 N	54.0 E	40	202	112	65	83	APOLLONIUS K, TARUNTIUS Y
2391	6.7 N	52.8 E	40	202	112	65	83	APOLLONIUS K, TARUNTIUS A
2392	7.2 N	51.3 E	40	201	112	65	82	TARUNTIUS, A
2393	7.6 N	50.1 E	40	201	112	65	81	TARUNTIUS, A
2662	7.3 N	59.5 E	VERT		112	66	80	APOLLONIUS, F, P
2663	7.7 N	58.5 E	VERT		112	66	80	APOLLONIUS F, P, PICARD H
2664	8.2 N	57.2 E	VERT		112	66	81	PICARD H, J
2665	8.6 N	56.0 E	VERT		112	66	80	PICARD H, J
2666	9.0 N	54.8 E	VERT		112	66	80	PICARD G, H, J
2667	9.4 N	53.5 E	VERT		112	66	80	PICARD H, LICK
2668	9.8 N	52.4 E	VERT		112	66	80	PICARD G, LICK
2669	10.2 N	51.3 E	VERT		112	66	79	PICARD G, LICK
2854	3.6 N	60.0 E	VERT		111	74	75	APOLLONIUS, WEBB, P
2855	4.3 N	58.4 E	VERT		111	74	76	APOLLONIUS, WEBB, P
2856	4.6 N	57.4 E	VERT		111	74	77	APOLLONIUS, WEBB, P
2857	5.1 N	56.2 E	VERT		111	74	78	APOLLONIUS K, WEBB, P
2858	5.6 N	55.1 E	VERT		111	74	78	APOLLONIUS K
2859	6.1 N	53.9 E	VERT		111	74	79	APOLLONIUS K
2860	6.5 N	53.0 E	VERT		111	74	79	APOLLONIUS K
2861	7.0 N	51.7 E	VERT		111	74	80	TARUNTIUS, A
2862	7.5 N	50.5 E	VERT		111	74	80	TARUNTIUS, A

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 40 TO 50 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT Km.	REV NO.	SUN EL.	DESCRIPTION
293	20.1 N	49.7 E	VERT		232	02	21	PEIRCE, MACROBIUS
294	20.1 N	48.8 E	VERT		234	02	20	PEIRCE, MACROBIUS
295	20.2 N	47.1 E	VERT		237	02	19	PEIRCE, MACROBIUS
296	20.2 N	46.3 E	VERT		239	02	18	MACROBIUS
297	20.1 N	45.1 E	VERT		241	02	17	MACROBIUS
298	20.1 N	43.8 E	VERT		243	02	16	MACROBIUS
299	20.1 N	42.4 E	VERT		245	02	14	MACROBIUS, ROMER
300	20.0 N	41.3 E	VERT		247	02	13	MACROBIUS, ROMER
301	20.0 N	40.2 E	VERT		247	02	12	ROMER, MARALDI
434	19.3 N	48.8 E	VERT		118	14	31	TISSERAND, MACROBIUS, PROCLUS
435	19.4 N	47.4 E	VERT		117	14	30	TISSERAND, MACROBIUS, PROCLUS
436	19.5 N	45.9 E	VERT		117	14	28	TISSERAND, MACROBIUS, PROCLUS
437	19.6 N	44.5 E	VERT		117	14	27	MACROBIUS, PROCLUS
438	19.7 N	43.0 E	VERT		116	14	25	MACROBIUS, A, B
439	19.8 N	41.6 E	VERT		116	14	24	MACROBIUS A, B
440	19.8 N	40.2 E	VERT		116	14	23	MACROBIUS A, B
582	19.0 N	49.4 E	VERT		117	15	32	TISSERAND, MACROBIUS, PROCLUS
583	19.5 N	47.8 E	VERT		117	15	31	TISSERAND, MACROBIUS, PROCLUS
584	19.5 N	46.4 E	VERT		117	15	30	TISSERAND, MACROBIUS, PROCLUS
585	19.7 N	45.1 E	VERT		116	15	28	TISSERAND, MACROBIUS, PROCLUS
586	19.7 N	43.6 E	VERT		116	15	27	MACROBIUS
587	19.7 N	42.2 E	VERT		116	15	25	MACROBIUS, A, B
588	19.7 N	40.9 E	VERT		116	15	24	MACROBIUS A, B
779	17.5 N	50.0 E	VERT		117	24	41	YERKES, PROCLUS
780	17.9 N	48.7 E	VERT		116	24	39	PROCLUS
781	18.1 N	47.3 E	VERT		116	24	38	PROCLUS, MACROBIUS, S HALF
782	18.4 N	46.0 E	VERT		116	24	37	PROCLUS, MACROBIUS, S HALF
783	18.5 N	44.7 E	VERT		115	24	36	PROCLUS, MACROBIUS, S HALF
784	18.7 N	43.4 E	VERT		115	24	34	MACROBIUS, S HALF
785	18.8 N	42.0 E	VERT		114	24	33	MACROBIUS A, FRANZ
786	19.0 N	40.6 E	VERT		114	24	32	MACROBIUS A, FRANZ
926	20.8 N	49.4 E	40	10	116	27	43	TISSERAND, MACROBIUS
927	21.0 N	47.9 E	40	10	115	27	42	TISSERAND, MACROBIUS
928	21.1 N	46.6 E	40	10	115	27	40	TISSERAND, MACROBIUS
929	21.2 N	45.0 E	40	9	115	27	39	TISSERAND, MACROBIUS
930	21.6 N	43.5 E	40	9	114	27	38	MACROBIUS, A, B
931	21.9 N	41.9 E	40	8	114	27	36	MACROBIUS, A, B
932	21.9 N	40.6 E	40	8	113	27	35	MACROBIUS A, B, ROMER
1204	17.0 N	49.7 E	VERT		116	28	45	YERKES, PROCLUS
1205	17.3 N	48.2 E	VERT		115	28	44	PROCLUS

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 40 TO 50 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1206	17.5 N	47.0 E	VERT		115	28	43	PROCLUS
1207	17.7 N	45.6 E	VERT		115	28	41	PROCLUS
1208	17.9 N	44.3 E	VERT		114	28	40	PROCLUS
1209	18.0 N	42.9 E	VERT		114	28	39	MACROBIUS A, B, FRANZ
1210	18.3 N	41.6 E	VERT		114	28	38	MACROBIUS A, B, FRANZ
1211	18.5 N	40.3 E	VERT		113	28	36	MACROBIUS A, B, FRANZ
1485	16.9 N	49.8 E	VERT		116	29	46	YERKES, PROCLUS
1486	17.1 N	48.4 E	VERT		115	29	45	PROCLUS
1487	17.3 N	47.1 E	VERT		115	29	44	PROCLUS
1488	17.5 N	45.8 E	VERT		115	29	42	PROCLUS
1489	17.7 N	44.4 E	VERT		114	29	41	PROCLUS
1490	18.1 N	43.0 E	VERT		114	29	40	PROCLUS D, FRANZ
1491	18.3 N	41.7 E	VERT		114	29	38	FRANZ, MACROBIUS A, B
1492	18.4 N	40.4 E	VERT		113	29	37	FRANZ, MACROBIUS A, B
1641	12.0 N	49.5 E	40	193	115	36	54	LICK, YERKES
1642	12.2 N	48.2 E	40	193	115	36	53	YERKES, GLAISHER
1643	12.6 N	46.9 E	40	193	115	36	52	GLAISHER, PROCLUS F
1644	12.8 N	45.5 E	40	192	114	36	50	GLAISHER, PROCLUS F, A
1645	13.3 N	43.8 E	40	192	114	36	49	PROCLUS F, A, LYELL
1646	13.7 N	42.7 E	40	192	114	36	47	PROCLUS F, A, LYELL
1647	14.0 N	41.3 E	40	191	113	36	46	LYELL, FRANZ
1788	15.0 N	49.4 E	VERT		115	38	55	YERKES, PROCLUS
1789	15.4 N	48.1 E	VERT		115	38	53	PROCLUS
1790	15.7 N	46.7 E	VERT		114	38	52	PROCLUS, F
1791	16.0 N	45.4 E	VERT		114	38	51	PROCLUS, F
1792	16.3 N	44.2 E	VERT		114	38	50	PROCLUS, F
1793	16.6 N	42.6 E	VERT		113	38	48	PROCLUS D, FRANZ
1794	16.8 N	41.4 E	VERT		113	38	47	PROCLUS D, FRANZ
1795	17.0 N	40.2 E	VERT		113	38	46	PROCLUS D, FRANZ
2073	16.3 N	48.8 E	VERT		116	49	63	PROCLUS
2074	16.7 N	47.6 E	VERT		116	49	62	PROCLUS
2075	17.1 N	46.2 E	VERT		116	49	60	PROCLUS
2076	17.5 N	45.0 E	VERT		116	49	60	PROCLUS, W OF, MACROBIUS D
2077	17.9 N	43.6 E	VERT		116	49	58	PROCLUS D, Z
2078	18.2 N	42.3 E	VERT		116	49	57	FRANZ, MACROBIUS A, B
2079	18.5 N	40.9 E	VERT		116	49	55	FRANZ, MACROBIUS A, B
2235	12.5 N	48.8 E	VERT		112	62	74	GLAISHER, A
2236	12.9 N	47.6 E	VERT		113	62	73	GLAISHER, X
2237	13.4 N	46.3 E	VERT		113	62	72	GLAISHER X, PROCLUS F
2238	13.9 N	45.0 E	VERT		113	62	71	PROCLUS A, C, F

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 40 TO 50 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2239	14.4 N	43.6 E	VERT		113	62	70	PROCLUS A, C, F
2240	14.7 N	42.4 E	VERT		113	62	69	PROCLUS A, LYELL, D
2241	15.2 N	41.1 E	VERT		113	62	67	PROCLUS A, LYELL, D
2394	8.1 N	48.8 E	40	201	112	65	80	TARUNTIUS, A
2395	8.7 N	47.4 E	40	200	112	65	79	TARUNTIUS
2396	9.0 N	46.3 E	40	200	112	65	78	TARUNTIUS, M
2397	9.5 N	45.0 E	40	199	112	65	76	TARUNTIUS, M
2398	9.9 N	43.7 E	40	199	112	65	75	TARUNTIUS, M, PROCLUS A
2399	10.2 N	42.5 E	40	199	112	65	74	PROCLUS A, CAUCHY
2400	10.8 N	40.6 E	40	199	112	65	73	PROCLUS A, CAUCHY, A
2670	10.6 N	50.0 E	VERT		112	66	78	LICK, GLAISHER
2671	11.0 N	48.7 E	VERT		112	66	78	GLAISHER
2672	11.5 N	47.6 E	VERT		112	66	77	GLAISHER, PROCLUS F
2673	12.0 N	46.3 E	VERT		112	66	76	GLAISHER, PROCLUS F
2674	12.5 N	45.0 E	VERT		112	66	75	PROCLUS C, F
2675	12.9 N	43.8 E	VERT		112	66	74	PROCLUS A, F
2676	13.3 N	42.5 E	VERT		112	66	72	PROCLUS A, LYELL
2677	13.8 N	41.3 E	VERT		112	66	71	PROCLUS A, LYELL, FRANZ
2678	14.4 N	40.1 E	VERT		113	66	70	LYELL, FRANZ
2863	8.0 N	49.3 E	VERT		111	74	80	TARUNTIUS, A
2864	8.5 N	48.2 E	VERT		111	74	80	TARUNTIUS, A
2865	8.8 N	46.9 E	VERT		112	74	80	TARUNTIUS, A
2866	9.3 N	45.6 E	VERT		112	74	80	TARUNTIUS, M
2867	9.8 N	44.4 E	VERT		112	74	80	PROCLUS G, A
2868	10.4 N	43.1 E	VERT		112	74	79	PROCLUS G, A, CAUCHY D
2869	10.9 N	41.7 E	VERT		112	74	78	PROCLUS G, A, CAUCHY, D
2870	11.3 N	40.6 E	VERT		112	74	77	PROCLUS G, A, CAUCHY, D

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 30 TO 40 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
302	19.9 N	38.8 E	VERT		251	02	11	ROMER, MARALDI
303	19.9 N	38.0 E	VERT		253	02	10	APOLLO 17 LANDING SITE, IN SHADOW
304	19.9 N	36.6 E	VERT		254	02	9	APOLLO 17 LANDING SITE, IN SHADOW
305	19.9 N	35.3 E	VERT		256	02	8	APOLLO 17 LANDING SITE, IN SHADOW
306	19.9 N	34.2 E	VERT		258	02	7	APOLLO 17 LANDING SITE, IN SHADOW
307	19.9 N	32.9 E	VERT		260	02	6	APOLLO 17 LANDING SITE, IN SHADOW
308	19.8 N	31.6 E	VERT		262	02	4	APOLLO 17 LANDING SITE, IN SHADOW
309	19.8 N	30.5 E	VERT		264	02	3	APOLLO 17 LANDING SITE, IN SHADOW
441	19.8 N	38.6 E	VERT		115	14	21	MACROBIUS A, B
442	20.0 N	37.1 E	VERT		115	14	20	MARALDI
443	20.1 N	35.9 E	VERT		115	14	19	MARALDI
444	20.2 N	34.6 E	VERT		114	14	18	MARALDI, VITRUVIUS
445	20.3 N	32.8 E	VERT		114	14	16	APOLLO 17 LANDING SITE
446	20.2 N	31.3 E	VERT		114	14	14	APOLLO 17 LANDING SITE
589	19.7 N	39.6 E	VERT		115	15	23	MACROBIUS A, B
590	19.8 N	38.1 E	VERT		115	15	22	MACROBIUS A, B
591	19.8 N	37.1 E	VERT		115	15	21	MARALDI
592	19.9 N	35.7 E	VERT		114	15	20	MARALDI
593	19.9 N	34.3 E	VERT		114	15	18	MARALDI, VITRUVIUS
594	19.9 N	32.8 E	VERT		114	15	17	APOLLO 17 LANDING SITE
595	20.0 N	31.4 E	VERT		113	15	16	APOLLO 17 LANDING SITE
596	19.9 N	30.3 E	VERT		113	15	14	APOLLO 17 LANDING SITE
787	19.1 N	39.3 E	VERT		114	24	30	MACROBIUS A, FRANZ
788	19.3 N	37.8 E	VERT		113	24	29	MACROBIUS A, MARALDI
789	19.4 N	36.6 E	VERT		113	24	28	MARALDI, VITRUVIUS A
790	19.6 N	35.4 E	VERT		113	24	27	MARALDI, VITRUVIUS A
791	19.7 N	34.1 E	VERT		112	24	26	MARALDI, VITRUVIUS
792	19.9 N	32.7 E	VERT		112	24	24	MARALDI, APOLLO 17 LANDING SITE
793	20.1 N	31.3 E	VERT		112	24	23	LITTROW, APOLLO 17 LANDING SITE
933	22.2 N	39.3 E	40	7	113	27	34	MACROBIUS A, B, ROMER
934	22.3 N	37.5 E	40	6	113	27	32	ROMER, MARALDI
935	22.5 N	35.9 E	40	6	112	27	31	ROMER, MARALDI
936	22.7 N	34.6 E	40	5	112	27	29	ROMER, MARALDI
937	22.9 N	32.9 E	40	5	111	27	28	APOLLO 17 LANDING SITE
938	22.9 N	31.6 E	40	4	111	27	27	APOLLO 17 LANDING SITE
1212	18.6 N	38.8 E	VERT		113	23	35	MACROBIUS A, B, FRANZ
1213	18.8 N	37.6 E	VERT		113	23	34	MACROBIUS A, B, MARALDI
1214	19.0 N	36.4 E	VERT		112	23	33	MARALDI, VITRUVIUS A
1215	19.1 N	35.1 E	VERT		112	23	31	MARALDI, VITRUVIUS A
1216	19.4 N	33.7 E	VERT		112	23	30	MARALDI, VITRUVIUS, A

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 30 TO 40 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1217	19.5 N	32.2 E	VERT		111	28	29	LITTROW, APOLLO 17 LANDING SITE
1218	19.5 N	30.9 E	VERT		111	28	27	LITTROW, APOLLO 17 LANDING SITE
1493	18.6 N	39.1 E	VERT		113	29	36	FRANZ, MACROBIUS A, B
1494	18.7 N	37.6 E	VERT		113	29	35	MACROBIUS A, B, MARALDI
1495	18.8 N	36.3 E	VERT		112	29	33	MARALDI, VITRUVIUS A
1496	19.0 N	35.2 E	VERT		112	29	32	MARALDI, VITRUVIUS A
1497	19.2 N	33.7 E	VERT		111	29	32	MARALDI, VITRUVIUS, A
1498	19.3 N	32.4 E	VERT		111	29	30	LITTROW, APOLLO 17 LANDING SITE
1499	19.4 N	31.0 E	VERT		111	29	28	LITTROW, APOLLO 17 LANDING SITE
1648	14.2 N	39.8 E	40	191	113	36	45	LYELL, FRANZ
1649	14.4 N	38.3 E	40	190	113	36	43	LYELL, FRANZ, MARALDI D
1650	14.6 N	37.2 E	40	190	112	36	42	LYELL, MARALDI D
1651	14.7 N	35.7 E	40	190	112	36	41	MARALDI D, VITRUVIUS A
1652	15.0 N	34.3 E	40	188	111	36	39	MARALDI D, VITRUVIUS A
1653	15.2 N	32.9 E	40	188	111	36	38	VITRUVIUS, A, JANSEN
1654	15.5 N	31.5 E	40	187	111	36	36	VITRUVIUS, A, JANSEN
1655	15.5 N	30.1 E	40	187	110	36	35	VITRUVIUS, JANSEN
1796	17.2 N	39.1 E	VERT		112	38	45	FRANZ, MARALDI M, F
1797	17.4 N	37.9 E	VERT		112	38	43	FRANZ, MARALDI M, F
1798	17.7 N	36.3 E	VERT		112	38	42	MARALDI, VITRUVIUS A
1799	17.8 N	35.1 E	VERT		111	38	41	MARALDI, VITRUVIUS A
1800	18.0 N	33.6 E	VERT		111	38	40	MARALDI, VITRUVIUS, A
1801	18.1 N	32.5 E	VERT		111	38	38	MARALDI, VITRUVIUS, A
1802	18.4 N	30.9 E	VERT		110	38	37	VITRUVIUS, A
2080	18.8 N	39.7 E	VERT		116	49	54	FRANZ, MACROBIUS A, B
2081	19.1 N	38.3 E	VERT		116	49	53	MACROBIUS A, B
2082	19.3 N	37.1 E	VERT		116	49	51	MARALDI, VITRUVIUS A
2083	19.6 N	35.8 E	VERT		116	49	50	MARALDI, VITRUVIUS A
2084	19.9 N	34.4 E	VERT		116	49	49	MARALDI, VITRUVIUS, A
2085	20.2 N	33.0 E	VERT		116	49	48	APOLLO 17 LANDING SITE
2086	20.5 N	31.8 E	VERT		116	49	47	APOLLO 17 LANDING SITE
2087	20.8 N	30.4 E	VERT		116	49	45	APOLLO 17 LANDING SITE
2242	15.7 N	39.9 E	VERT		113	62	66	LYELL, D, FRANZ
2243	16.0 N	38.7 E	VERT		113	62	65	FRANZ, MARALDI M, D
2244	16.4 N	37.5 E	VERT		113	62	64	MARALDI M, D
2245	16.8 N	36.3 E	VERT		113	62	63	MARALDI, M, D
2246	17.2 N	34.9 E	VERT		113	62	62	MARALDI, D, VITRUVIUS A
2247	17.5 N	33.6 E	VERT		113	62	60	MARALDI, VITRUVIUS, A
2248	17.9 N	32.0 E	VERT		113	62	59	MARALDI, VITRUVIUS, A
2249	18.2 N	30.9 E	VERT		113	62	58	VITRUVIUS, A

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 30 TO 40 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2401	11.2 N	39.4 E	40	199	113	65	71	CAUCHY, A, LYELL
2402	11.7 N	38.2 E	40	199	113	65	70	CAUCHY, A, LYELL, MARALDI B
2403	12.1 N	37.1 E	40	199	113	65	69	CAUCHY, A, MARALDI B
2404	12.6 N	35.6 E	40	199	113	65	67	CAUCHY, A, MARALDI B, VITRUVIUS G
2405	12.9 N	34.2 E	40	198	113	65	66	MARALDI B, VITRUVIUS G
2406	13.2 N	32.7 E	40	198	113	65	65	VITRUVIUS G, JANSEN
2407	13.7 N	31.5 E	40	198	113	65	63	VITRUVIUS G, JANSEN
2679	14.7 N	38.7 E	VERT		113	66	69	LYELL, FRANZ
2680	15.1 N	37.4 E	VERT		113	66	68	FRANZ, MARALDI D
2681	15.3 N	36.4 E	VERT		113	66	67	MARALDI D
2682	15.7 N	35.0 E	VERT		113	66	66	MARALDI D, VITRUVIUS A
2683	16.1 N	33.7 E	VERT		113	66	64	MARALDI D, VITRUVIUS, A
2684	16.4 N	32.6 E	VERT		113	66	63	VITRUVIUS, A
2685	16.8 N	31.2 E	VERT		113	66	62	VITRUVIUS, A
2871	11.7 N	39.6 E	VERT		112	74	76	PROCLUS G, A, CAUCHY, D
2872	12.2 N	38.2 E	VERT		112	74	75	PROCLUS G, A, CAUCHY, D
2873	12.6 N	37.0 E	VERT		112	74	74	CAUCHY, A
2874	13.0 N	35.9 E	VERT		112	74	74	CAUCHY A, VITRUVIUS G
2875	13.4 N	34.6 E	VERT		113	74	72	VITRUVIUS G, JANSEN F, F RIM
2876	13.8 N	33.3 E	VERT		113	74	71	VITRUVIUS G, JANSEN F
2877	14.2 N	32.0 E	VERT		113	74	70	VITRUVIUS G, JANSEN F
2878	14.7 N	30.7 E	VERT		113	74	69	JANSEN, F

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 20 TO 30 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
310	19.7 N	29.4 E	VERT		265	02	2	APOLLO 17 LANDING SITE, IN SHADOW
311	19.6 N	28.3 E	VERT		266	02	1	APOLLO 17 LANDING SITE, IN SHADOW
312	19.7 N	27.1 E	VERT		267	02	0	APOLLO 17 LANDING SITE, IN SHADOW
447	20.0 N	29.9 E	VERT		113	14	13	APOLLO 17 LANDING SITE
448	20.0 N	28.4 E	VERT		113	14	12	APOLLO 17 LANDING SITE
449	20.0 N	26.9 E	VERT		112	14	10	VITRUVIUS E, DAWES
450	19.9 N	25.6 E	VERT		112	14	9	DAWES
451	19.5 N	24.1 E	VERT		112	14	8	DAWES, PLINIUS RILLES
452	19.4 N	22.9 E	VERT		111	14	7	PLINIUS RILLES, DESEILLIGNY
453	19.2 N	21.8 E	VERT		111	14	6	PLINIUS RILLES, DESEILLIGNY
454	19.4 N	20.2 E	VERT		111	14	4	DESEILLIGNY, BESSEL
597	19.9 N	28.9 E	VERT		113	15	13	APOLLO 17 LANDING SITE
598	19.9 N	27.5 E	VERT		112	15	12	VITRUVIUS E, DAWES
599	19.9 N	26.1 E	VERT		112	15	11	DAWES, PLINIUS RILLES
600	19.8 N	25.0 E	VERT		112	15	10	DAWES, PLINIUS RILLES
601	19.8 N	24.0 E	VERT		111	15	9	PLINIUS RILLES, DESEILLIGNY
602	19.5 N	22.5 E	VERT		111	15	7	PLINIUS RILLES, DESEILLIGNY
603	19.2 N	21.4 E	VERT		110	15	6	DESEILLIGNY, BESSEL
604	18.8 N	20.2 E	VERT		110	15	5	DESEILLIGNY, BESSEL
794	20.0 N	29.8 E	VERT		111	24	22	LITTROW, APOLLO 17 LANDING SITE
795	20.1 N	28.6 E	VERT		111	24	20	LITTROW, APOLLO 17 LANDING SITE
796	20.1 N	27.1 E	VERT		111	24	19	DAWES, PLINIUS RILLES
797	20.1 N	25.8 E	VERT		110	24	18	DAWES, PLINIUS RILLES
798	19.7 N	24.5 E	VERT		110	24	17	DAWES, PLINIUS RILLES
799	19.6 N	23.2 E	VERT		110	24	16	PLINIUS RILLES, DESEILLIGNY
800	19.5 N	22.9 E	VERT		109	24	15	PLINIUS RILLES, DESEILLIGNY
801	19.4 N	21.2 E	VERT		109	24	14	DESEILLIGNY, BESSEL
939	23.1 N	29.8 E	40	4	111	27	25	APOLLO 17 LANDING SITE
940	23.1 N	28.9 E	40	3	110	27	24	APOLLO 17 LANDING SITE
941	23.3 N	27.3 E	40	3	110	27	23	LE MONNIER, SERENITY, SEA OF
942	23.4 N	25.6 E	40	2	110	27	21	LE MONNIER, BESSEL A
943	23.4 N	24.5 E	40	2	109	27	20	LE MONNIER, BESSEL A
944	23.4 N	23.0 E	40	2	109	27	19	BESSEL A, DESEILLIGNY
945	23.4 N	21.5 E	40	2	109	27	17	BESSEL, A, DESEILLIGNY
1219	19.5 N	29.6 E	VERT		111	28	26	LITTROW, APOLLO 17 LANDING SITE
1220	19.7 N	28.4 E	VERT		110	28	25	LITTROW, APOLLO 17 LANDING SITE
1221	19.7 N	26.9 E	VERT		110	28	24	VITRUVIUS E, DAWES
1222	19.8 N	25.4 E	VERT		109	28	22	DAWES, PLINIUS RILLES
1223	19.7 N	24.2 E	VERT		109	28	21	DAWES, PLINIUS RILLES
1224	19.3 N	23.2 E	VERT		109	28	20	PLINIUS RILLES, DESEILLIGNY

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 20 TO 30 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1225	19.3 N	22.3 E	VERT		108	28	19	PLINIUS RILLES, DESEILLIGNY
1226	19.1 N	21.0 E	VERT		108	28	18	DESEILLIGNY, BESSEL
1500	19.4 N	29.7 E	VERT		110	29	27	LITTROW, APOLLO 17 LANDING SITE
1501	19.6 N	28.4 E	VERT		110	29	26	LITTROW, APOLLO 17 LANDING SITE
1502	19.7 N	27.0 E	VERT		110	29	25	VITRUVIUS E, DAWES
1503	19.7 N	25.7 E	VERT		109	29	23	DAWES, PLINIUS RILLES
1504	19.6 N	24.3 E	VERT		109	29	22	DAWES, PLINIUS RILLES
1505	19.4 N	23.1 E	VERT		109	29	21	PLINIUS RILLES, DESEILLIGNY
1506	19.4 N	22.3 E	VERT		108	29	20	PLINIUS RILLES, DESEILLIGNY
1507	19.2 N	21.0 E	VERT		108	29	19	DESEILLIGNY, BESSEL
1656	15.8 N	28.5 E	40	186	110	36	33	VITRUVIUS, JANSEN, DAWES
1657	16.2 N	27.0 E	40	186	110	36	32	JANSEN, DAWES, PLINIUS
1658	16.5 N	25.6 E	40	185	109	36	31	JANSEN, DAWES, PLINIUS
1659	16.5 N	24.3 E	40	185	109	36	30	DAWES, PLINIUS, RILLES
1660	16.5 N	22.7 E	40	184	109	36	28	PLINIUS, RILLES
1661	16.6 N	21.3 E	40	184	108	36	27	PLINIUS, RILLES, TACQUET
1803	18.6 N	29.9 E	VERT		110	38	36	VITRUVIUS
1804	18.6 N	28.3 E	VERT		110	38	34	VITRUVIUS, E, DAWES
1805	18.8 N	26.9 E	VERT		110	38	33	DAWES, PLINIUS RILLES
1806	19.0 N	25.8 E	VERT		109	38	32	DAWES, PLINIUS RILLES
1807	19.3 N	24.9 E	VERT		109	38	31	DAWES, PLINIUS RILLES
1808	18.9 N	23.4 E	VERT		109	38	30	PLINIUS RILLES, DESEILLIGNY
1809	19.0 N	22.5 E	VERT		108	38	29	PLINIUS RILLES, DESEILLIGNY
1810	18.9 N	21.1 E	VERT		108	38	28	DESEILLIGNY, BESSEL
2088	21.1 N	29.0 E	VERT		116	49	44	LITTROW A, SERENITY, SEA OF
2089	21.4 N	27.6 E	VERT		116	49	43	LITTROW A, SERENITY, SEA OF
2090	21.5 N	26.3 E	VERT		116	49	42	LE MONNIER C, SERENITY, SEA OF
2091	21.7 N	25.1 E	VERT		116	49	41	LE MONNIER C, SERENITY, SEA OF
2092	21.8 N	24.0 E	VERT		116	49	39	DESEILLIGNY, BESSEL A
2093	22.0 N	22.6 E	VERT		116	49	38	DESEILLIGNY, BESSEL A
2094	22.1 N	21.0 E	VERT		116	49	37	DESEILLIGNY, BESSEL A
2250	18.3 N	29.6 E	VERT		113	62	57	VITRUVIUS, E, DAWES
2251	18.7 N	28.2 E	VERT		113	62	56	VITRUVIUS, E, DAWES
2252	19.0 N	26.8 E	VERT		113	62	54	VITRUVIUS, E, DAWES
2253	19.1 N	25.8 E	VERT		113	62	53	DAWES, PLINIUS RILLES
2254	19.3 N	25.0 E	VERT		113	62	52	DAWES, PLINIUS RILLES
2255	19.5 N	23.8 E	VERT		113	62	51	PLINIUS RILLES, DESEILLIGNY
2256	19.8 N	22.2 E	VERT		113	62	50	PLINIUS RILLES, DESEILLIGNY
2257	20.0 N	21.2 E	VERT		113	62	49	DESEILLIGNY, BESSEL
2408	14.0 N	29.9 E	40	197	113	65	62	JANSEN, C

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 20 TO 30 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2409	14.4 N	28.6 E	40	196	113	65	60	JANSEN, C
2410	14.8 N	27.3 E	40	196	113	65	59	JANSEN, DAWES, PLINIUS
2411	15.3 N	25.6 E	40	195	113	65	57	JANSEN, DAWES, PLINIUS
2412	15.4 N	24.5 E	40	194	113	65	56	DAWES, PLINIUS, RILLES
2413	15.9 N	23.0 E	40	194	113	65	55	PLINIUS, RILLES
2414	16.1 N	21.7 E	40	193	113	65	54	PLINIUS, RILLES, TACQUET
2415	16.3 N	20.4 E	40	193	113	65	53	PLINIUS, RILLES, TACQUET
2686	17.2 N	30.0 E	VERT		113	66	61	VITRUVIUS, E
2687	17.5 N	28.7 E	VERT		113	66	60	VITRUVIUS, E, DAWES
2688	17.8 N	27.4 E	VERT		113	66	59	VITRUVIUS E, DAWES
2689	18.1 N	26.0 E	VERT		113	66	57	VITRUVIUS E, DAWES
2690	18.4 N	24.7 E	VERT		113	66	56	DAWES, PLINIUS RILLES
2691	18.7 N	23.3 E	VERT		113	66	55	PLINIUS RILLES
2692	19.0 N	22.0 E	VERT		113	66	54	PLINIUS RILLES, TACQUET
2693	19.2 N	20.8 E	VERT		113	66	52	TACQUET, DESEILIGNY
2879	15.0 N	29.5 E	VERT		113	74	68	JANSEN, E
2880	15.4 N	28.2 E	VERT		113	74	67	JANSEN, DAWES
2881	15.8 N	27.1 E	VERT		113	74	66	JANSEN, DAWES, PLINIUS
2882	16.3 N	25.7 E	VERT		113	74	64	DAWES, PLINIUS
2883	16.6 N	24.5 E	VERT		113	74	63	DAWES, PLINIUS
2884	16.9 N	23.2 E	VERT		113	74	62	DAWES, PLINIUS
2885	17.3 N	22.0 E	VERT		114	74	61	PLINIUS, RILLES, TACQUET
2886	17.6 N	20.7 E	VERT		114	74	60	PLINIUS, RILLES, TACQUET

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 10 TO 20 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
455	19.4 N	18.1 E	VERT		110	14	2	BESSEL, MENELAUS RILLES
456	19.4 N	16.5 E	VERT		110	14	1	BESSEL, MENELAUS RILLES
457	19.4 N	14.8 E	VERT		110	14	0	BESSEL, MENELAUS RILLES
605	19.1 N	18.2 E	VERT		110	15	4	DESEILLIGNY, BESSEL
606	19.3 N	16.5 E	VERT		109	15	2	BESSEL, E
607	19.4 N	15.2 E	VERT		109	15	0	BESSEL, E
802	19.2 N	19.5 E	VERT		109	24	12	DESEILLIGNY, BESSEL
803	19.3 N	17.6 E	VERT		108	24	10	BESSEL, E
804	19.9 N	16.2 E	VERT		108	24	9	BESSEL, E
805	19.8 N	14.8 E	VERT		108	24	8	BESSEL, E
806	19.9 N	13.5 E	VERT		107	24	6	SULPICIUS GALLUS
807	19.8 N	12.0 E	VERT		107	24	5	SULPICIUS GALLUS
808	19.9 N	10.6 E	VERT		107	24	4	SULPICIUS GALLUS, RILLES
946	23.4 N	20.0 E	40	1	108	27	16	BESSEL, A, DESEILLIGNY
947	23.5 N	18.2 E	40	1	108	27	14	BESSEL, A, DESEILLIGNY
948	23.4 N	16.6 E	40	1	107	27	13	BESSEL, A
949	23.3 N	14.8 E	40	0	107	27	12	BESSEL
950	23.2 N	13.5 E	40	0	107	27	10	LINNE, APATUS C, SERENITY, SEA OF
951	23.2 N	11.7 E	40	359	106	27	9	SULPICIUS GALLUS RILLES
952	23.1 N	10.5 E	40	358	106	27	8	SULPICIUS GALLUS RILLES
1227	19.6 N	18.8 E	VERT		108	28	16	DESEILLIGNY, BESSEL
1228	19.7 N	17.5 E	VERT		107	28	15	BES[illegible], E
1229	19.8 N	15.9 E	VERT		107	28	13	BES[illegible], E
1230	19.8 N	14.6 E	VERT		107	28	12	BESSEL E
1231	20.3 N	13.2 E	VERT		106	28	11	BESSEL E, SULPICIUS GALLUS
1232	19.8 N	11.7 E	VERT		106	28	9	SULPICIUS GALLUS, RILLES
1233	19.8 N	10.4 E	VERT		106	28	8	SULPICIUS GALLUS, RILLES, MANILIUS A
1508	19.6 N	18.7 E	VERT		108	29	17	DESEILLIGNY, BESSEL
1509	19.7 N	17.4 E	VERT		107	29	16	BESSEL, E
1510	20.0 N	15.9 E	VERT		107	29	14	BESSEL, E
1511	19.8 N	14.5 E	VERT		107	29	13	BESSEL E, SULPICIUS GALLUS
1512	19.9 N	13.1 E	VERT		106	29	12	BESSEL E, SULPICIUS GALLUS
1513	19.9 N	11.7 E	VERT		106	29	10	SULPICIUS GALLUS, RILLES
1514	19.9 N	10.4 E	VERT		106	29	9	SULPICIUS GALLUS, RILLES
1662	16.6 N	19.8 E	40	184	108	36	25	PLINIUS, RILLES, TACQUET
1663	16.6 N	18.5 E	40	183	108	36	24	TACQUET, MENELAUS
1664	16.7 N	17.0 E	40	183	107	36	23	TACQUET, MENELAUS
1665	16.7 N	15.7 E	40	183	107	36	21	TACQUET, MENELAUS
1666	16.9 N	14.1 E	40	182	107	36	20	MENELAUS, MANILIUS
1667	16.9 N	12.5 E	40	181	106	36	18	MENELAUS, MANILIUS, SULPICIUS GALLUS

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 10 TO 20 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1668	16.9 N	11.2 E	40	181	106	36	17	MANILIUS, SULPICIUS GALLUS
1811	18.8 N	19.6 E	VERT		108	38	26	DESEILLIGNY, BESSEL
1812	19.0 N	17.5 E	VERT		107	38	24	DESEILLIGNY, BESSEL, E
1813	19.5 N	16.3 E	VERT		107	38	23	BESSEL, E
1814	19.6 N	14.8 E	VERT		107	38	22	BESSEL, E
1815	19.8 N	13.3 E	VERT		106	38	20	BESSEL E, SULPICIUS GALLUS
1816	19.8 N	11.9 E	VERT		106	38	19	SULPICIUS GALLUS, RILLES
1817	19.8 N	10.5 E	VERT		106	38	18	SULPICIUS GALLUS, RILLES
2095	22.0 N	19.6 E	VERT		116	49	36	DESEILLIGNY, BESSEL A
2096	22.1 N	18.1 E	VERT		116	49	34	BESSEL, A
2097	22.2 N	16.7 E	VERT		116	49	33	BESSEL, E
2098	22.5 N	15.2 E	VERT		116	49	32	BESSEL, W OF, SERENITY, SEA OF
2099	22.5 N	14.0 E	VERT		116	49	30	BESSEL, W OF, SERENITY, SEA OF
2100	22.6 N	12.6 E	VERT		116	49	29	SULPICIUS GALLUS RILLES
2101	22.7 N	11.2 E	VERT		116	49	28	SULPICIUS GALLUS RILLES, ARATUS C, D
2258	20.4 N	19.6 E	VERT		113	62	48	DESEILLIGNY, BESSEL
2259	20.8 N	17.8 E	VERT		113	62	46	DESEILLIGNY, BESSEL, E
2260	20.9 N	16.5 E	VERT		113	62	45	BESSEL, E
2261	21.2 N	15.1 E	VERT		113	62	43	BESSEL, E
2262	21.4 N	13.8 E	VERT		113	62	42	BESSEL E, SULPICIUS GALLUS
2263	21.7 N	12.4 E	VERT		113	62	40	SULPICIUS GALLUS, RILLES
2264	21.9 N	11.0 E	VERT		113	62	39	SULPICIUS GALLUS, RILLES
2416	16.5 N	18.9 E	40	192	113	65	51	TACQUET, MENELAUS
2417	16.8 N	17.5 E	40	192	113	65	50	TACQUET, MENELAUS
2418	17.0 N	16.1 E	40	191	113	65	49	TACQUET, MENELAUS
2419	17.4 N	14.7 E	40	191	113	65	47	MENELAUS, BESSEL E, MANILIUS
2420	17.8 N	13.2 E	40	190	113	65	46	MENELAUS, BESSEL E, MANILIUS
2421	18.1 N	11.7 E	40	190	113	65	44	MANILIUS, SULPICIUS GALLUS
2422	18.2 N	10.4 E	40	189	113	65	43	MANILIUS, SULPICIUS GALLUS, RILLES
2694	19.5 N	19.5 E	VERT		113	66	51	DESEILLIGNY, BESSEL
2695	19.7 N	18.1 E	VERT		113	66	50	DESEILLIGNY, BESSEL, E
2696	20.1 N	16.7 E	VERT		113	66	49	BESSEL, E
2697	20.3 N	15.3 E	VERT		113	66	47	BESSEL, E
2698	20.6 N	14.1 E	VERT		113	66	46	BESSEL E, SULPICIUS GALLUS
2699	20.9 N	12.6 E	VERT		114	66	45	BESSEL E, SULPICIUS GALLUS
2700	21.2 N	11.2 E	VERT		114	66	44	SULPICIUS GALLUS, RILLES
2887	17.8 N	19.5 E	VERT		114	74	59	TACQUET, MENELAUS
2888	18.3 N	17.9 E	VERT		114	74	57	TACQUET, MENELAUS
2889	18.6 N	16.7 E	VERT		114	74	56	TACQUET, MENELAUS
2890	18.8 N	15.4 E	VERT		114	74	55	MENELAUS, BESSEL E

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 10 TO 20 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2891	19.2 N	14.0 E	VERT		114	74	54	MENELAUS, BESSEL F
2892	19.4 N	12.6 E	VERT		114	74	52	BESSEL E, SULPICIUS GALLUS
2893	19.7 N	11.3 E	VERT		115	74	51	SULPICIUS GALLUS, RILLES
2894	19.9 N	10.2 E	VERT		115	74	50	SULPICIUS GALLUS, RILLES

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 0 TO 10 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
809	19.9 N	9.2 E	VERT		106	24	2	SULPICIUS GALLUS, RILLES
810	19.6 N	8.0 E	VERT		106	24	1	MANILIUS A
811	19.6 N	6.4 E	VERT		106	24	0	MANILIUS A
812	19.7 N	5.0 E	VERT		105	24	-2	SULPICIUS GALLUS G
953	22.9 N	9.1 E	40	357	105	27	6	SULPICIUS GALLUS RILLES
954	22.8 N	7.4 E	40	357	105	27	5	SULPICIUS GALLUS RILLES
955	22.7 N	5.9 E	40	356	105	27	3	ARATUS, A, B
956	22.4 N	4.4 E	40	355	104	27	2	ARATUS, A, B, CONON
957	22.4 N	2.8 E	40	355	104	27	1	ARATUS, CONON
958	22.2 N	1.5 E	40	354	104	27	0	ARATUS, CONON
1234	19.7 N	9.0 E	VERT		105	28	7	SULPICIUS GALLUS, RILLES, MANILIUS A
1235	19.9 N	7.7 E	VERT		105	28	6	SULPICIUS GALLUS RILLES, MANILIUS A
1236	19.8 N	6.3 E	VERT		105	28	4	MANILIUS A, ARATUS A
1237	19.6 N	4.8 E	VERT		104	28	3	ARATUS A, SULPICIUS GALLUS G
1238	19.6 N	3.5 E	VERT		104	28	2	ARATUS A, CONON
1239	19.6 N	2.1 E	VERT		104	28	0	CONON, W
1240	19.6 N	.7 E	VERT		103	28	-1	CONON
1515	19.9 N	9.0 E	VERT		105	29	8	SULPICIUS GALLUS, RILLES
1516	19.9 N	7.6 E	VERT		105	29	6	SULPICIUS GALLUS RILLES, MANILIUS A
1517	19.8 N	6.3 E	VERT		105	29	5	MANILIUS A, ARATUS A
1518	19.7 N	4.8 E	VERT		104	29	4	ARATUS A, CONON, W
1519	19.7 N	3.5 E	VERT		104	29	3	ARATUS A, CONON, W
1520	19.6 N	2.1 E	VERT		104	29	1	ARATUS A, CONON, W
1521	19.6 N	.8 E	VERT		103	29	0	CONON
1669	16.9 N	9.8 E	40	180	106	36	16	MANILIUS, SULPICIUS GALLUS
1670	16.7 N	8.4 E	40	180	105	36	14	MANILIUS, A
1671	16.8 N	6.8 E	40	179	105	36	13	MANILIUS, A, VAPORS, SEA OF
1672	16.8 N	5.3 E	40	178	105	36	12	MANILIUS, F, VAPORS, SEA OF
1673	16.9 N	4.0 E	40	178	104	36	10	MANILIUS, F, VAPORS, SEA OF
1674	16.9 N	2.4 E	40	177	104	36	9	MANILIUS, F, VAPORS, SEA OF
1675	16.9 N	.9 E	40	177	104	36	7	CONON RILLE, VAPORS, SEA OF
1818	19.9 N	9.2 E	VERT		105	38	16	SULPICIUS GALLUS, RILLES
1819	20.1 N	8.0 E	VERT		105	38	15	SULPICIUS GALLUS RILLES, G
1820	20.0 N	6.7 E	VERT		105	38	14	SULPICIUS GALLUS RILLES, G
1821	20.1 N	5.2 E	VERT		105	38	13	SULPICIUS GALLUS G, ARATUS A
1822	20.0 N	4.0 E	VERT		104	38	12	ARATUS A, CONON
1823	19.9 N	2.5 E	VERT		104	38	10	ARATUS A, CONON
1824	19.9 N	1.2 E	VERT		104	38	9	CONON, W
2102	22.8 N	9.9 E	VERT		116	49	27	SULPICIUS GALLUS RILLES, ARATUS C, D
2103	22.9 N	8.5 E	VERT		116	49	25	SULPICIUS GALLUS RILLES, ARATUS C, D

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 0 TO 10 E

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2104	22.9 N	7.1 E	VERT		116	49	24	ARATUS, A
2105	23.0 N	5.7 E	VERT		116	49	23	ARATUS, A, HADLEY RILLE
2106	23.2 N	4.2 E	VERT		116	49	22	HADLEY RILLE, CONON
2107	23.3 N	2.9 E	VERT		116	49	20	HADLEY RILLE, CONON
2108	23.3 N	1.5 E	VERT		116	49	19	HADLEY RILLE, CONON
2265	22.1 N	9.5 E	VERT		113	62	38	SULPICIUS GALLUS, RILLES
2266	22.3 N	8.2 E	VERT		113	62	37	SULPICIUS GALLUS RILLES
2267	22.4 N	6.9 E	VERT		113	62	36	SULPICIUS GALLUS RILLES, ARATUS, A
2268	22.7 N	5.2 E	VERT		113	62	35	ARATUS, A
2269	22.8 N	3.7 E	VERT		113	62	33	ARATUS, CONON, HADLEY RILLE
2270	22.9 N	2.4 E	VERT		113	62	32	ARATUS, CONON, HADLEY RILLE
2271	22.9 N	1.5 E	VERT		113	62	31	CONON, HADLEY RILLE
2423	18.3 N	8.9 E	40	189	114	65	42	MANILIUS, SULPICIUS GALLUS, RILLES
2424	18.6 N	7.3 E	40	188	114	65	40	MANILIUS, HAEMUS MTS
2425	18.7 N	5.9 E	40	188	114	65	39	MANILIUS, SULPICIUS GALLUS G
2426	18.8 N	4.5 E	40	188	114	65	38	SULPICIUS GALLUS G, H
2427	19.0 N	3.0 E	40	188	114	65	36	CONON
2428	19.1 N	1.8 E	40	187	114	65	35	CONON, APENNINE MTS
2429	19.2 N	.4 E	40	187	114	65	34	CONON, APENNINE MTS
2701	21.4 N	9.9 E	VERT		114	66	42	SULPICIUS GALLUS, RILLES
2702	21.6 N	8.6 E	VERT		114	66	41	SULPICIUS GALLUS RILLES
2703	21.8 N	7.3 E	VERT		114	66	40	SULPICIUS GALLUS, RILLES, ARATUS A
2704	22.0 N	5.9 E	VERT		114	66	39	ARATUS, A
2705	22.1 N	4.7 E	VERT		114	66	37	ARATUS, CONON
2706	22.3 N	3.3 E	VERT		114	66	36	ARATUS, CONON
2707	22.4 N	1.9 E	VERT		114	66	35	ARATUS, CONON
2708	22.6 N	.4 E	VERT		114	66	34	CONON, BRADLEY RILLE
2895	20.2 N	8.8 E	VERT		115	74	49	SULPICIUS GALLUS, RILLES
2896	20.5 N	7.4 E	VERT		115	74	47	SULPICIUS GALLUS RILLES, G
2897	20.8 N	6.1 E	VERT		115	74	46	ARATUS, A
2898	21.0 N	4.8 E	VERT		115	74	45	ARATUS, A
2899	21.3 N	3.5 E	VERT		115	74	44	ARATUS, A, CONON
2900	21.6 N	2.0 E	VERT		115	74	42	ARATUS, A, CONON
2901	21.7 N	.7 E	VERT		115	74	41	CONON, BRADLEY RILLE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 0 TO 10 W

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1676	16.8 N	.3 W	40	176	103	36	6	CONON RILLE, VAPORS, SEA OF
1677	16.8 N	1.9 W	40	177	103	36	5	MARCO POLO B, H, VAPORS, SEA OF
1678	16.7 N	3.4 W	40	178	103	36	3	MARCO POLO B, H, VAPORS, SEA OF
1679	16.6 N	5.0 W	40	180	102	36	1	APENNINE MTS
1680	16.5 N	6.8 W	40	181	102	36	0	APENNINE MTS
1825	19.8 N	.4 W	VERT		103	38	7	CONON, APENNINE MTS
1826	19.7 N	1.5 W	VERT		103	38	6	APENNINE MTS, MARCO POLO B, H
1827	19.7 N	3.1 W	VERT		103	38	5	APENNINE MTS, WALLACE A, B
1828	19.6 N	4.4 W	VERT		103	38	4	APENNINE MTS, WALLACE A, B
1829	19.6 N	5.7 W	VERT		102	38	2	WALLACE, A, B
1830	19.5 N	7.0 W	VERT		102	38	1	WALLACE, A, B
1831	19.4 N	8.4 W	VERT		102	38	0	WALLACE, ERATOSTHENES A, B
2109	23.2 N	.0	VERT		116	49	18	APPENINE MTS, BRADLEY RILLE
2110	23.2 N	1.4 W	VERT		116	49	16	APPENINE MTS, BRADLEY RILLE
2111	23.2 N	2.7 W	VERT		116	49	15	BRADLEY RILLE, RAINS, SEA OF
2112	23.1 N	4.1 W	VERT		116	49	14	ARCHIMEDES N, RAINS, SEA OF
2113	23.0 N	5.5 W	VERT		116	49	13	ARCHIMEDES E, W, RAINS, SEA OF
2114	23.0 N	7.0 W	VERT		116	49	11	WALLACE, RAINS, SEA OF
2115	22.9 N	8.3 W	VERT		116	49	10	WALLACE, RAINS, SEA OF
2116	22.9 N	9.7 W	VERT		116	49	9	WALLACE, RAINS, SEA OF
2272	23.0 N	.0	VERT		113	62	30	CONON, HADLEY, BRADLEY RILLES
2273	23.0 N	1.5 W	VERT		114	62	28	BRADLEY RILLE
2274	23.1 N	3.0 W	VERT		114	62	27	BRADLEY RILLE, ARCHIMEDES N
2275	23.1 N	4.3 W	VERT		114	62	26	ARCHIMEDES N, W
2276	23.1 N	5.6 W	VERT		114	62	25	ARCHIMEDES H, N, W
2277	23.0 N	7.1 W	VERT		114	62	23	ARCHIMEDES H, WALLACE
2278	23.0 N	8.5 W	VERT		114	62	22	ARCHIMEDES H, WALLACE
2279	23.0 N	9.9 W	VERT		114	62	21	ARCHIMEDES H, WALLACE
2430	19.4 N	1.3 W	40	186	114	65	32	CONON, APENNINE MTS
2431	19.6 N	2.8 W	40	185	114	65	31	APENNINE FRONT
2432	19.6 N	4.2 W	40	184	114	65	30	APENNINE FRONT, ERATOSTHENES
2433	19.6 N	5.6 W	40	183	114	65	28	APENNINE FRONT, ERATOSTHENES
2434	19.7 N	7.2 W	40	182	114	65	27	ERATOSTHENES, WALLACE
2435	19.8 N	8.5 W	40	182	114	65	26	ERATOSTHENES, WALLACE
2709	22.6 N	.9 W	VERT		114	66	32	CONON, BRADLEY RILLE
2710	22.7 N	2.2 W	VERT		114	66	31	BRADLEY RILLE
2711	22.8 N	3.7 W	VERT		114	66	30	BRADLEY RILLE, ARCHIMEDES N
2712	23.9 N	5.0 W	VERT		114	66	29	ARCHIMEDES N, H
2713	23.0 N	6.6 W	VERT		114	66	27	ARCHIMEDES H, WALLACE
2714	23.1 N	7.9 W	VERT		114	66	26	ARCHIMEDES H, WALLACE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 0 TO 10 W

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2715	23.2 N	9.2 W	VERT		114	66	25	ARCHIMEDES H, WALLACE
2902	21.8 N	.5 W	VERT		116	74	40	CONON, BRADLEY RILLE
2903	21.9 N	2.1 W	VERT		116	74	39	BRADLEY RILLE
2904	22.1 N	3.6 W	VERT		116	74	37	BRADLEY RILLE, ARCHIMEDES N
2905	22.2 N	4.9 W	VERT		116	74	36	BRADLEY RILLE, ARCHIMEDES N
2906	22.3 N	6.1 W	VERT		116	74	35	ARCHIMEDES H, WALLACE
2907	22.4 N	7.7 W	VERT		116	74	34	ARCHIMEDES H, WALLACE
2908	22.6 N	8.9 W	VERT		116	74	32	ARCHIMEDES H, WALLACE

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 10 TO 20 W

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2117	22.6 N	11.1 W	VERT		116	49	8	TIMOCHARIS K, RAINS, SEA OF
2118	22.5 N	12.5 W	VERT		116	49	6	TIMOCHARIS A, C, RAINS, SEA OF
2119	22.3 N	13.8 W	VERT		116	49	5	TIMOCHARIS A, C, RAINS, SEA OF
2120	22.1 N	15.0 W	VERT		116	49	4	TIMOCHARIS A, C, RAINS, SEA OF
2121	21.9 N	16.7 W	VERT		116	49	3	TIMOCHARIS A, PYTHEAS G, H
2122	21.8 N	17.8 W	VERT		116	49	1	PYTHEAS, G, H
2123	21.6 N	19.2 W	VERT		116	49	0	PYTHEAS, G
2280	23.0 N	11.1 W	VERT		114	62	19	WALLACE, TIMOCHARIS C
2281	23.0 N	12.8 W	VERT		114	62	18	TIMOCHARIS A, C
2282	22.9 N	14.2 W	VERT		114	62	17	TIMOCHARIS A, C
2283	22.9 N	15.3 W	VERT		114	62	17	TIMOCHARIS A, C
2284	22.9 N	16.6 W	VERT		114	62	16	TIMOCHARIS A, C
2285	22.9 N	18.0 W	VERT		114	62	15	PYTHEAS, LAMBERT
2286	22.9 N	19.4 W	VERT		114	62	13	PYTHEAS, LAMBERT
2436	19.8 N	10.0 W	40	181	114	65	24	ERATOSTHENES, WALLACE
2437	19.8 N	11.4 W	40	181	114	65	23	ERATOSTHENES, WALLACE
2438	19.9 N	12.9 W	40	180	114	65	21	ERATOSTHENES, WALLACE
2439	19.8 N	14.2 W	40	179	114	65	20	ERATOSTHENES, RAINS, SEA OF
2440	19.8 N	15.7 W	40	179	118	65	19	ERATOSTHENES, PYTHEAS G, H, K
2441	19.9 N	17.3 W	40	178	118	65	17	ERATOSTHENES, PYTHEAS
2442	19.8 N	18.5 W	40	177	118	65	16	PYTHEAS, COPERNICUS
2716	23.2 N	10.7 W	VERT		115	66	24	ARCHIMEDES H, WALLACE
2717	23.2 N	12.1 W	VERT		115	66	22	WALLACE, TIMOCHARIS C
2718	23.3 N	13.4 W	VERT		115	66	21	TIMOCHARIS A, C
2719	23.3 N	14.6 W	VERT		115	66	20	TIMOCHARIS A, C, F
2720	23.2 N	16.0 W	VERT		115	66	19	TIMOCHARIS A, C, F
2721	23.2 N	17.5 W	VERT		115	66	17	TIMOCHARIS A, F, PYTHEAS, LAMBERT
2722	23.1 N	18.8 W	VERT		115	66	16	PYTHEAS, LAMBERT
2909	22.7 N	10.4 W	VERT		116	74	31	ARCHIMEDES H, WALLACE
2910	22.7 N	11.7 W	VERT		116	74	30	WALLACE, TIMOCHARIS C
2911	22.8 N	13.2 W	VERT		117	74	29	TIMOCHARIS C, A
2912	22.8 N	14.6 W	VERT		117	74	27	TIMOCHARIS C, A
2913	22.8 N	15.8 W	VERT		117	74	26	TIMOCHARIS C, A
2914	22.9 N	17.2 W	VERT		117	74	25	TIMOCHARIS C, A
2915	22.9 N	18.5 W	VERT		117	74	24	LAMBERT, PYTHEAS
2916	23.0 N	19.8 W	VERT		117	74	23	LAMBERT, PYTHEAS

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 20 TO 30 W

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2287	22.9 N	20.7 W	VERT		114	62	11	PYTHEAS, LAMBERT
2288	22.7 N	22.1 W	VERT		114	62	10	PYTHEAS, LAMBERT
2289	22.6 N	23.3 W	VERT		114	62	8	PYTHEAS, LAMBERT
2290	22.6 N	25.0 W	VERT		114	62	7	EULER, W OF
2291	22.4 N	26.4 W	VERT		114	62	5	EULER
2292	22.3 N	27.7 W	VERT		114	62	4	EULER
2293	22.1 N	29.0 W	VERT		114	62	3	EULER, P
2443	19.8 N	20.0 W	40	177	118	65	15	PYTHEAS, COPERNICUS
2444	19.5 N	21.5 W	40	177	118	65	13	PYTHEAS, COPERNICUS
2445	19.5 N	23.2 W	40	176	118	65	12	PYTHEAS, CARPATHIAN MTS
2446	19.5 N	24.8 W	40	176	118	65	10	PYTHEAS A, CARPATHIAN MTS
2447	19.4 N	26.1 W	40	175	118	65	9	CARPATHIAN MTS, TOBIAS MAYER
2448	19.3 N	27.5 W	40	175	118	65	8	TOBIAS MAYER, EULER P
2449	19.3 N	29.0 W	40	175	119	65	6	TOBIAS MAYER, EULER P
2723	23.1 N	20.2 W	VERT		115	66	15	PYTHEAS, LAMBERT
2724	23.0 N	21.6 W	VERT		115	66	14	PYTHEAS, LAMBERT
2725	22.9 N	23.0 W	VERT		115	66	13	PYTHEAS, LAMBERT
2726	22.9 N	24.4 W	VERT		115	66	11	PYTHEAS W
2727	22.8 N	25.9 W	VERT		115	66	10	EULER
2728	22.7 N	27.2 W	VERT		115	66	9	EULER
2729	22.6 N	28.5 W	VERT		115	66	7	EULER
2917	23.1 N	21.4 W	VERT		117	74	21	LAMBERT, PYTHEAS
2918	23.1 N	22.9 W	VERT		117	74	20	LAMBERT, PYTHEAS
2919	23.0 N	24.3 W	VERT		117	74	18	LAMBERT, PYTHEAS
2920	22.9 N	25.7 W	VERT		117	74	17	PYTHEAS W, EULER, E RIM
2921	22.9 N	27.0 W	VERT		118	74	16	EULER
2922	22.9 N	28.4 W	VERT		118	74	15	EULER
2923	22.9 N	29.8 W	VERT		118	74	13	EULER

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 30 TO 40 W

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2294	22.0 N	30.9 W	VERT		114	62	2	EULER, P
2295	21.8 N	31.9 W	VERT		115	62	1	EULER P, BRAYLEY D
2450	19.0 N	30.4 W	40	174	119	65	5	TORIAS MAYER, EULER P
2451	18.8 N	32.0 W	40	174	119	65	3	EULER P, BRAYLEY B
2452	18.6 N	33.4 W	40	173	119	65	2	EULER P, BRAYLEY B
2453	18.4 N	34.8 W	40	172	119	65	1	BRAYLEY, B
2730	22.4 N	30.0 W	VERT		115	66	6	EULER
2731	22.3 N	31.4 W	VERT		115	66	5	EULER
2732	22.2 N	32.8 W	VERT		115	66	4	EULER E, BRAYLEY B
2733	22.0 N	34.2 W	VERT		116	66	2	EULER E, BRAYLEY, B
2734	21.9 N	35.6 W	VERT		111	66	1	EULER E, BRAYLEY, B
2735	21.7 N	36.8 W	VERT		111	66	0	BRAYLEY, B
2924	22.9 N	31.1 W	VERT		118	74	12	EULER
2925	22.8 N	32.6 W	VERT		118	74	11	EULER, W RIM, BRAYLEY B
2926	22.7 N	34.1 W	VERT		118	74	10	BRAYLEY, B
2927	22.6 N	35.3 W	VERT		118	74	8	BRAYLEY, B
2928	22.6 N	36.8 W	VERT		118	74	7	BRAYLEY, B, C
2929	22.5 N	38.1 W	VERT		118	74	6	BRAYLEY, C
2930	22.3 N	39.5 W	VERT		118	74	5	BRAYLEY, C, BESSARION D

APOLLO 17
MAPPING CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 40 TO 50 W

NASA PHOTO AS17-	PRINCIPAL POINT LAT.	LONG.	CAMERA TILT	AZ	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2931	22.2 N	40.8 W	VERT		118	74	3	BRAYLEY C, BESSARION D
2932	22.1 N	42.3 W	VERT		119	74	2	BRAYLEY C, BESSARION D
2933	21.9 N	43.9 W	VERT		119	74	1	BESSARION D
2934	21.7 N	45.1 W	VERT		119	74	0	BESSARION D

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1546								1546-1587 BLANK
1588	FWD	1593	19.8 S	154.1 W	126	1	2	GALOIS, WILSING, PLUMMER
1589	AFT		19.9 S	152.6 W	126	1	0	GALOIS
1590	FWD	1595	19.7 S	155.0 W	125	1	3	GALOIS, WILSING, PLUMMER
1591	AFT		19.9 S	153.4 W	125	1	1	GALOIS, WILSING, E RIM
1592	FWD	1597	19.6 S	155.7 W	125	1	3	GALOIS, WILSING
1594	FWD	1599	19.5 S	156.3 W	124	1	4	GALOIS, WILSING, W RIM
1596	FWD	1601	19.4 S	156.9 W	123	1	4	GALOIS, WILSING, W OF
1598	FWD	1603	19.3 S	157.5 W	122	1	5	GALOIS, W RIM, WILSING, W OF
1600	FWD	1605	19.2 S	158.2 W	121	1	6	GALOIS, W OF, WILSING, W OF
1602	FWD	1607	19.2 S	159.0 W	121	1	6	DOPPLER, S OF
1604	FWD	1609	19.1 S	159.8 W	120	1	7	DOPPLER
1606	FWD	1611	19.0 S	160.5 W	119	1	8	DOPPLER, WALKER, N OF
1608	FWD	1613	18.9 S	161.1 W	118	1	8	DOPPLER, WALKER, N OF
1610	FWD	1615	18.8 S	161.8 W	118	1	9	DOPPLER, WALKER, N OF
1612	FWD	1617	18.6 S	162.6 W	117	1	10	DOPPLER, WALKER, N OF
1614	FWD	1619	18.5 S	163.2 W	116	1	10	MOHOROVICIC, E OF
1616	FWD	1621	18.4 S	163.9 W	115	1	11	MOHOROVICIC
1618	FWD	1623	18.2 S	164.6 W	115	1	11	MOHOROVICIC
1620	FWD	1625	18.1 S	165.2 W	114	1	12	MOHOROVICIC
1622	FWD	1627	18.1 S	165.9 W	113	1	13	MOHOROVICIC
1624	FWD	1629	17.9 S	166.6 W	113	1	13	MOHOROVICIC, W OF
1626	FWD	1631	17.8 S	167.3 W	112	1	14	MOHOROVICIC, W OF, SNIADECKI
1628	FWD	1633	17.7 S	168.0 W	111	1	15	MOHOROVICIC, W OF, SNIADECKI
1630	FWD	1635	17.6 S	168.7 W	111	1	15	SNIADECKI, MC KELLAR, E OF
1632	FWD	1637	17.4 S	169.4 W	110	1	16	SNIADECKI, MC KELLAR, E OF
1634	FWD	1639	17.3 S	170.0 W	109	1	17	MC KELLAR
1636	FWD	1641	17.3 S	170.6 W	109	1	17	MC KELLAR
1638	FWD	1643	17.3 S	171.1 W	108	1	18	MC KELLAR
1640	FWD	1645	17.2 S	171.7 W	108	1	19	MC KELLAR, W RIM
1642	FWD	1647	17.1 S	172.3 W	107	1	19	MC KELLAR, W OF
1644	FWD	1649	16.9 S	173.0 W	107	1	20	MC KELLAR, W OF
1646	FWD	1651	16.8 S	173.8 W	107	1	21	MC KELLAR, W OF
1648	FWD	1653	16.6 S	174.4 W	106	1	21	DE VRIES, E RIM
1650	FWD	1655	16.5 S	175.0 W	105	1	22	DE VRIES
1652	FWD	1657	16.4 S	175.8 W	105	1	23	DE VRIES
1654	FWD	1659	16.2 S	176.3 W	104	1	23	DE VRIES
1656	FWD	1661	16.1 S	177.0 W	104	1	24	DE VRIES, W RIM
1658	FWD	1663	15.9 S	177.6 W	103	1	24	RACAH, E OF
1660	FWD	1665	15.8 S	178.3 W	103	1	25	RACAH, E OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1662	FWD	1667	15.6 S	179.0 W	102	1	26	RACAH
1664	FWD	1669	15.5 S	179.6 W	102	1	26	RACAH
1666	FWD	1671	15.4 S	179.8 E	101	2	27	RACAH
1668	FWD	1673	15.3 S	179.2 E	101	2	27	RACAH
1670	FWD	1675	15.2 S	178.6 E	101	2	28	RACAH, W RIM, BERGSTRAND, E RIM
1672	FWD	1677	15.0 S	178.0 E	100	2	29	BERGSTRAND
1674	FWD	1679	14.9 S	177.4 E	100	2	29	BERGSTRAND
1676	FWD	1681	14.7 S	176.9 E	100	2	30	BERGSTRAND, W RIM
1678	FWD	1683	14.5 S	176.2 E	99	2	30	AITKEN, E WALL
1680	FWD	1685	14.4 S	175.6 E	99	2	31	AITKEN, E WALL
1682	FWD	1687	14.2 S	175.0 E	99	2	32	AITKEN
1684	FWD	1689	14.0 S	174.4 E	98	2	32	AITKEN
1686	FWD	1691	13.8 S	173.8 E	98	2	33	AITKEN
1688	FWD	1693	13.7 S	173.1 E	98	2	33	AITKEN
1690	FWD	1695	13.5 S	172.4 E	97	2	34	AITKEN
1692	FWD	1697	13.3 S	171.8 E	97	2	35	AITKEN, W WALL
1694	FWD	1699	13.1 S	171.0 E	97	2	35	AITKEN, W RIM
1696	FWD	1701	12.9 S	170.4 E	97	2	36	AITKEN, W OF
1698	FWD	1703	12.8 S	169.9 E	97	2	36	HEAVISIDE, E OF
1700	FWD	1705	12.6 S	169.4 E	96	2	37	HEAVISIDE, E OF
1702	FWD	1707	12.4 S	168.9 E	96	2	38	HEAVISIDE, E RIM
1704	FWD	1709	12.3 S	168.4 E	96	2	38	HEAVISIDE
1706	FWD	1711	12.2 S	167.7 E	96	2	39	HEAVISIDE
1708	FWD	1713	12.0 S	167.0 E	96	2	39	HEAVISIDE
1710	FWD	1715	11.8 S	166.4 E	95	2	40	HEAVISIDE
1712	FWD	1717	11.6 S	165.8 E	95	2	41	HEAVISIDE
1714	FWD	1719	11.5 S	165.2 E	95	2	41	HEAVISIDE
1716	FWD	1721	11.3 S	164.6 E	95	2	42	HEAVISIDE, W WALL
1718	FWD	1723	11.2 S	164.1 E	95	2	42	HEAVISIDE, KEELER, STRATTON
1720	FWD	1725	11.0 S	163.5 E	95	2	43	KEELER
1722	FWD	1727	10.8 S	162.9 E	95	2	44	KEELER
1724	FWD	1729	10.7 S	162.3 E	95	2	44	KEELER
1726	FWD	1731	10.5 S	161.7 E	94	2	45	KEELER
1728	FWD	1733	10.3 S	161.1 E	94	2	45	KEELER
1730	FWD	1735	10.1 S	160.5 E	94	2	46	KEELER, GEIGER
1732	FWD	1737	9.9 S	160.0 E	94	2	47	KEELER, GEIGER
1734	FWD	1739	9.7 S	159.4 E	94	2	47	KEELER, E RIM
1736	FWD	1741	9.5 S	158.8 E	94	2	48	KEELER, E RIM
1738	FWD	1743	9.3 S	158.2 E	94	2	48	KEELER, E OF, VENTRIS
1740	FWD	1745	9.1 S	157.6 E	94	2	49	VENTRIS

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1742	FWD	1747	8.9 S	157.0 E	94	2	50	VENTRIS
1744	FWD	1749	8.7 S	156.4 E	94	2	50	VENTRIS
1746	FWD	1751	8.4 S	155.8 E	94	2	51	VENTRIS
1748	FWD	1753	8.2 S	155.2 E	94	2	51	VENTRIS, W RIM
1750	FWD	1755	8.0 S	154.6 E	94	2	52	VENTRIS, W OF
1752	FWD	1757	7.8 S	154.0 E	94	2	53	CHAPLYGIN, E OF
1754	FWD	1759	7.6 S	153.3 E	94	2	53	CHAPLYGIN, E OF
1756	FWD	1761	7.4 S	152.8 E	94	2	54	CHAPLYGIN, E OF
1758	FWD	1763	7.2 S	152.3 E	95	2	54	CHAPLYGIN, E RIM
1760	FWD	1765	7.1 S	151.7 E	95	2	55	CHAPLYGIN
1762	FWD	1767	6.9 S	151.0 E	95	2	56	CHAPLYGIN
1764	FWD	1769	6.8 S	150.4 E	95	2	56	CHAPLYGIN
1766	FWD	1771	6.6 S	149.8 E	95	2	57	CHAPLYGIN
1768	FWD	1773	6.4 S	149.3 E	95	2	57	CHAPLYGIN
1770	FWD	1775	6.2 S	148.7 E	95	2	58	CHAPLYGIN
1772	FWD	1777	6.1 S	148.1 E	96	2	59	CHAPLYGIN, W WALL
1774	FWD	1779	5.9 S	147.5 E	96	2	59	CHAPLYGIN, W RIM, MARCONI
1776	FWD	1781	5.7 S	146.9 E	96	2	60	CHAPLYGIN, W OF, MARCONI
1778	FWD	1783	5.4 S	146.4 E	96	2	60	MARCONI, VIL'EV, E OF
1780	FWD	1785	5.2 S	145.8 E	96	2	61	MARCONI, VIL'EV, E OF
1782	FWD	1787	4.9 S	145.2 E	97	2	62	VIL'EV
1784	FWD	1789	4.7 S	144.7 E	97	2	62	VIL'EV
1786	FWD		4.6 S	144.2 E	97	2	63	VIL'EV
1788	FWD		4.4 S	143.6 E	97	2	63	VIL'EV, W RIM
1790	FWD		4.2 S	143.0 E	98	2	64	DELLINGER, E RIM
1791	FWD	1796	4.2 N	121.0 E	115	2	84	KING
1792	AFT		3.9 N	122.2 E	115	2	83	KING, E OF
1793	FWD	1798	4.3 N	120.5 E	116	2	84	KING
1794	AFT		4.1 N	121.6 E	116	2	84	KING, E RIM
1795	FWD	1800	4.7 N	120.0 E	116	2	84	KING
1797	FWD	1802	5.2 N	119.3 E	117	2	84	KING, E WALL
1799	FWD	1804	5.6 N	118.8 E	118	2	84	APIC LAFA
1801	FWD	1806	5.9 N	118.1 E	119	2	84	APIC LAFA
1803	FWD	1808	5.9 N	117.4 E	119	2	84	APIC LAFA
1805	FWD	1810	6.1 N	116.7 E	120	2	84	APIC LAFA, W RIM, GUYOT, E WALL
1807	FWD	1812	6.2 N	116.1 E	121	2	84	GUYOT
1809	FWD	1814	6.4 N	115.5 E	122	2	83	GUYOT
1811	FWD	1816	6.7 N	115.0 E	122	2	83	GUYOT
1813	FWD	1818	6.9 N	114.4 E	123	2	82	GUYOT
1815	FWD	1820	7.2 N	113.8 E	124	2	82	FIRSOV, KOROLEVSKY, E RIM

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1817	FWD	1822	6.5 N	112.8 E	125	2	82	FIRSOV, LOBACHEVSKY
1819	FWD	1824	6.6 N	112.1 E	125	2	81	FIRSOV, W WALL, LOBACHEVSKY
1821	FWD	1826	6.8 N	111.6 E	126	2	80	LOBACHEVSKY
1823	FWD	1828	7.1 N	110.9 E	127	2	80	LOBACHEVSKY
1825	FWD	1830	7.3 N	110.4 E	128	2	79	LOBACHEVSKY, W RIM
1827	FWD	1832	7.5 N	109.6 E	129	2	79	LOBACHEVSKY, W DF
1829	FWD	1834	7.6 N	109.0 E	130	2	78	LOBACHEVSKY, W DF
1831	FWD	1838	7.8 N	108.6 E	131	2	78	LOBACHEVSKY, W DF
1833	FWD	1840	8.0 N	108.1 E	131	2	77	LOBACHEVSKY, W DF
1835	FWD	1842	8.2 N	107.4 E	132	2	77	LOBACHEVSKY, W DF
1836	AFT		7.7 N	108.8 E	133	2	78	LOBACHEVSKY, W DF
1837	FWD	1844	8.5 N	106.7 E	133	2	76	MOISEEV, E DF
1839	FWD	1846	8.7 N	106.1 E	134	2	75	MOISEEV, E DF
1841	FWD	1848	8.9 N	105.3 E	135	2	75	MOISEEV, E DF, SAENGER, E WALL
1843	FWD	1850	9.1 N	104.8 E	136	2	74	MOISEEV, E DF, SAENGER
1845	FWD	1852	9.3 N	104.2 E	137	2	74	MOISEEV, SAENGER
1847	FWD	1854	9.5 N	103.5 E	138	2	73	MOISEEV, SAENGER, HERTZ
1849	FWD	1856	9.6 N	102.8 E	139	2	72	MOISEEV, SAENGER, HERTZ
1851	FWD	1858	9.8 N	102.3 E	140	2	72	MOISEEV, HERTZ
1853	FWD	1860	9.9 N	101.6 E	141	2	71	HERTZ, W RIM
1855	FWD	1862	10.0 N	101.1 E	142	2	71	ERRO, E WALL
1857	FWD	1864	10.3 N	100.6 E	142	2	70	ERRO, MORIUS, E RIM
1859	FWD	1866	10.4 N	99.9 E	143	2	69	ERRO, MORIUS
1861	FWD	1868	10.7 N	99.1 E	144	2	69	ERRO, MORIUS
1863	FWD	1870	10.9 N	98.5 E	145	2	68	MORIUS, W WALL, DREYER
1865	FWD	1872	11.0 N	97.6 E	146	2	67	DREYER
1867	FWD	1874	11.2 N	97.0 E	147	2	67	DREYER
1869	FWD	1876	11.3 N	96.4 E	148	2	66	DREYER
1871	FWD	1878	11.4 N	96.0 E	149	2	66	SINZEL
1873	FWD	1880	11.5 N	95.4 E	150	2	65	SINZEL
1875	FWD		11.8 N	94.8 E	151	2	65	SINZEL, W DF
1877	FWD		12.0 N	94.1 E	152	2	64	SINZEL, W DF
1879	FWD		12.1 N	93.6 E	153	2	64	SINZEL, W DF
1881	FWD	1886	18.6 S	172.8 W	115	13	9	DE KEYLAR, W DF
1882	AFT		18.9 S	172.1 W	116	13	8	DE KEYLAR, W RIM
1883	FWD	1888	18.5 S	174.4 W	114	13	10	DE VRIES, E DF
1884	AFT		18.7 S	173.8 W	114	13	9	DE KEYLAR, W DF
1885	FWD	1890	18.4 S	175.1 W	115	13	11	DE VRIES, E RIM
1887	FWD	1892	18.3 S	175.8 W	116	13	11	DE VRIES, E WALL
1889	FWD	1894	18.2 S	176.5 W	116	13	12	DE VRIES

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1891	FWD	1896	18.1 S	177.5 W	116	13	13	DE VRIES, W WALL
1893	FWD	1898	17.9 S	178.1 W	117	13	13	DE VRIES, W OF, RACAH, E OF
1895	FWD	1900	17.8 S	179.0 W	117	13	14	RACAH, E WALL
1897	FWD	1902	17.8 S	179.6 W	117	13	15	RACAH
1899	FWD	1904	17.7 S	179.6 E	117	14	16	RACAH
1901	FWD	1906	17.6 S	178.9 E	117	14	16	RACAH
1903	FWD	1908	17.5 S	178.1 E	118	14	17	RACAH, W WALL, BERGSTRAND, E RIM
1905	FWD	1910	17.5 S	177.4 E	118	14	17	BERGSTRAND, E HALF
1907	FWD	1912	17.4 S	176.7 E	118	14	18	BERGSTRAND
1909	FWD	1914	17.3 S	176.0 E	118	14	19	BERGSTRAND
1911	FWD	1916	17.0 S	175.3 E	118	14	20	AITKEN, E WALL
1913	FWD	1918	16.7 S	174.6 E	118	14	20	AITKEN
1915	FWD	1920	16.6 S	173.8 E	119	14	21	AITKEN
1917	FWD	1922	16.4 S	173.2 E	119	14	22	AITKEN
1919	FWD	1924	16.2 S	172.3 E	119	14	23	AITKEN
1921	FWD	1926	16.2 S	171.4 E	119	14	24	AITKEN, W WALL
1923	FWD	1928	16.0 S	170.9 E	119	14	24	AITKEN, W WALL
1925	FWD	1930	15.7 S	170.1 E	120	14	25	AITKEN, W OF
1927	FWD	1932	15.7 S	169.6 E	120	14	25	AITKEN, W OF
1929	FWD	1934	15.6 S	168.5 E	120	14	26	HEAVISIDE, E RIM
1931	FWD	1936	15.2 S	167.6 E	120	14	27	HEAVISIDE, E WALL
1933	FWD	1938	15.1 S	166.8 E	120	14	28	HEAVISIDE
1935	FWD	1940	14.8 S	166.2 E	120	14	29	HEAVISIDE
1937	FWD	1942	14.8 S	165.4 E	121	14	29	HEAVISIDE
1939	FWD	1944	14.7 S	164.5 E	121	14	30	HEAVISIDE, W WALL
1941	FWD	1946	14.3 S	163.6 E	121	14	31	HEAVISIDE, W RIM, KEELER, E RIM
1943	FWD	1948	13.9 S	163.0 E	121	14	32	HEAVISIDE, W RIM, KEELER, E WALL
1945	FWD	1950	13.9 S	162.2 E	121	14	32	KEELER, E WALL
1947	FWD	1952	13.7 S	161.7 E	121	14	33	KEELER
1949	FWD	1954	13.3 S	160.8 E	122	14	34	KEELER
1951	FWD	1956	13.0 S	160.1 E	122	14	35	KEELER
1953	FWD	1958	12.8 S	159.5 E	122	14	35	KEELER, GEIGER, E WALL
1955	FWD	1960	12.7 S	158.5 E	122	14	36	KEELER, W WALL, GEIGER
1957	FWD	1962	12.6 S	157.8 E	122	14	37	KEELER, W OF, GEIGER, W RIM
1959	FWD	1964	12.4 S	157.1 E	122	14	38	KEELER, W OF
1961	FWD	1966	12.3 S	156.2 E	122	14	39	BEIJERINCK, E OF
1963	FWD	1968	12.1 S	155.6 E	123	14	39	BEIJERINCK, E OF
1965	FWD	1970	11.8 S	154.9 E	123	14	40	BEIJERINCK, E OF, GAGARIN, N RIM
1967	FWD	1972	11.7 S	154.2 E	123	14	41	BEIJERINCK, E OF, GAGARIN, N RIM
1969	FWD	1974	11.5 S	153.4 E	123	14	41	BEIJERINCK, E WALL, GAGARIN, N WALL

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1971	FWD	1976	11.2 S	152.6 E	123	14	42	BEIJERINCK, GAGARIN, N WALL
1973	FWD	1978	11.0 S	151.9 E	123	14	43	BEIJERINCK, GAGARIN, N WALL
1975	FWD	1980	10.8 S	151.1 E	123	14	44	BEIJERINCK, W WALL, CHAPLYGIN, E RIM
1977	FWD	1982	10.6 S	150.6 E	124	14	44	CHAPLYGIN, E WALL
1979	FWD	1984	10.3 S	149.8 E	124	14	45	CHAPLYGIN
1981	FWD	1986	10.1 S	149.2 E	124	14	46	CHAPLYGIN
1983	FWD	1988	9.9 S	148.3 E	124	14	46	CHAPLYGIN
1985	FWD	1990	9.6 S	147.6 E	124	14	47	CHAPLYGIN
1987	FWD	1992	9.5 S	147.2 E	124	14	48	CHAPLYGIN, W RIM
1989	FWD	1994	9.2 S	146.3 E	124	14	49	MARCONI, E WALL
1991	FWD	1996	8.9 S	145.6 E	124	14	49	MARCONI
1993	FWD	1998	8.6 S	144.7 E	124	14	50	MARCONI
1995	FWD	2000	8.5 S	144.1 E	125	14	51	MARCONI, W WALL, VIL'EV
1997	FWD	2002	8.2 S	143.4 E	125	14	51	VIL'EV
1999	FWD	2004	8.1 S	142.6 E	125	14	52	VIL'EV, W RIM
2001	FWD	2006	7.9 S	141.8 E	125	14	53	DELLINGER, E RIM
2003	FWD	2008	7.6 S	141.1 E	125	14	54	DELLINGER
2005	FWD	2010	7.4 S	140.4 E	125	14	54	DELLINGER
2007	FWD	2012	7.1 S	139.6 E	125	14	55	DELLINGER, PANNEKOEK
2009	FWD	2014	6.9 S	139.0 E	125	14	56	PANNEKOEK, CHAUVENET
2011	FWD	2016	6.6 S	138.3 E	125	14	57	PANNEKOEK, W WALL, CHAUVENET
2013	FWD	2018	6.3 S	137.6 E	125	14	57	CHAUVENET, W WALL
2015	FWD	2020	6.1 S	136.9 E	126	14	58	TEN BRUGGENCATE, GLASENAP
2017	FWD	2022	5.9 S	136.2 E	126	14	59	TEN BRUGGENCATE, GLASENAP
2019	FWD	2024	5.7 S	135.5 E	126	14	60	TEN BRUGGENCATE, GLASENAP
2021	FWD	2026	5.4 S	134.9 E	126	14	60	TEN BRUGGENCATE, W WALL, LANE, E WALL
2023	FWD	2028	5.0 S	134.1 E	126	14	61	LANE, PRAGER, E OF
2025	FWD	2030	4.8 S	133.2 E	126	14	62	LANE, PRAGER, E OF
2027	FWD	2032	4.5 S	132.6 E	126	14	62	LANE, PRAGER, E OF
2029	FWD	2034	4.3 S	132.0 E	126	14	63	PRAGER, E RIM
2031	FWD	2036	4.0 S	131.1 E	126	14	64	PRAGER
2033	FWD	2038	3.7 S	130.4 E	126	14	65	PRAGER
2035	FWD	2040	3.3 S	129.9 E	126	14	65	PRAGER, LOVE
2037	FWD	2042	3.1 S	129.3 E	126	14	66	LOVE
2039	FWD	2044	2.9 S	128.7 E	126	14	67	LOVE, W RIM
2041	FWD	2046	2.7 S	127.6 E	126	14	68	BECVAR, E OF
2043	FWD	2048	2.4 S	126.9 E	127	14	69	BECVAR, E OF
2045	FWD	2050	2.1 S	126.1 E	127	14	69	BECVAR, E WALL
2047	FWD	2052	1.8 S	125.3 E	127	14	70	BECVAR
2049	FWD	2054	1.6 S	124.7 E	127	14	70	BECVAR

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2051	FWD	2056	1.3 S	124.1 E	127	14	71	BECVAR, W WALL
2053	FWD	2058	1.1 S	123.4 E	127	14	72	BECVAR, W OF
2055	FWD	2060	.9 S	122.4 E	127	14	73	BECVAR, W OF
2057	FWD	2062	.6 S	121.7 E	127	14	73	BECVAR, W OF
2059	FWD	2064	.3 S	121.1 E	127	14	74	BECVAR, W OF
2061	FWD	2066	.0	120.5 E	127	14	75	KING, E RIM
2063	FWD	2068	.4 N	119.8 E	127	14	75	KING, E WALL
2065	FWD	2070	.6 N	119.0 E	127	14	76	KING
2067	FWD	2072	.9 N	118.4 E	127	14	77	KING
2069	FWD	2074	1.3 N	117.5 E	127	14	78	KING, ABUL WAFA, E RIM
2071	FWD	2076	1.6 N	116.9 E	127	14	78	ABUL WAFA
2073	FWD	2078	1.8 N	116.0 E	127	14	79	ABUL WAFA
2075	FWD	2080	2.0 N	115.4 E	127	14	80	BUISSON, E WALL
2077	FWD	2082	2.1 N	114.7 E	127	14	80	BUISSON
2079	FWD	2084	2.3 N	114.1 E	127	14	81	BUISSON
2081	FWD	2086	2.5 N	113.3 E	127	14	81	BUISSON
2083	FWD	2088	2.6 N	112.7 E	127	14	82	FIRSOV
2085	FWD	2090	2.8 N	112.0 E	127	14	82	FIRSOV
2087	FWD	2092	3.0 N	111.1 E	127	14	83	FIRSOV, W WALL
2089	FWD	2094	3.2 N	110.2 E	127	14	83	FIRSOV, W OF
2091	FWD	2096	3.3 N	109.5 E	127	14	84	FIRSOV, W OF
2093	FWD	2098	3.7 N	108.8 E	127	14	84	FIRSOV, W OF
2095	FWD	2100	4.1 N	108.2 E	127	14	84	SAFNOFR, E OF
2097	FWD	2102	4.3 N	107.4 E	127	14	84	SAFNOFR, E OF
2099	FWD	2104	4.6 N	106.7 E	127	14	84	SAFNOFR, E OF
2101	FWD	2106	4.8 N	105.8 E	127	14	84	SAFNOFR, E OF
2103	FWD	2108	5.0 N	105.0 E	127	14	84	SAFNOFR, E OF
2105	FWD	2110	5.3 N	104.5 E	127	14	84	SAFNOFR, E WALL
2107	FWD	2112	5.2 N	103.8 E	127	14	83	SAFNOFR
2109	FWD	2114	5.4 N	103.1 E	127	14	83	SAFNOFR
2111	FWD	2116	5.9 N	102.3 E	127	14	82	SAFNOFR, MOISEEV
2113	FWD	2118	6.4 N	101.7 E	127	14	82	MOISEEV
2115	FWD	2120	6.6 N	100.9 E	127	14	81	MOISEEV, W RIM, FRRO, E OF
2117	FWD		6.8 N	100.1 E	127	14	81	FRRO, E WALL
2119	FWD		7.1 N	99.4 E	127	14	80	FRRO
2121	FWD	2126	6.5 N	100.3 E	126	15	82	FRRO, E RIM
2122	AFT		6.0 N	101.4 E	126	15	83	MOISEEV, SAFNOFR, W RIM
2123	FWD	2128	6.7 N	99.6 E	126	15	[illegible]	FRRO, E RIM
2124	AFT		6.8 N	100.9 E	126	15	82	MOISEEV, W RIM
2125	FWD	2130	7.0 N	99.8 E	126	15	80	FRRO

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2127	FWD	2132	7.3 N	98.1 E	126	15	80	ERRO, W RIM
2129	FWD	2134	7.6 N	97.5 E	126	15	79	BABCOCK, E OF, DREYER, E RIM
2131	FWD	2136	7.7 N	96.8 E	126	15	78	BABCOCK, E WALL, DREYER
2133	FWD	2138	7.9 N	95.8 E	126	15	78	BABCOCK, DREYER
2135	FWD	2140	8.2 N	95.1 E	126	15	77	BABCOCK
2137	FWD	2142	8.4 N	94.3 E	126	15	76	BABCOCK, W WALL
2139	FWD	2144	8.8 N	93.7 E	126	15	76	BABCOCK, W RIM
2141	FWD	2146	8.8 N	93.0 E	126	15	75	JANSKY, E OF
2143	FWD	2148	9.1 N	92.3 E	126	15	74	JANSKY, E OF
2145	FWD	2150	9.4 N	91.5 E	126	15	74	JANSKY, E RIM
2147	FWD	2152	9.5 N	90.8 E	125	15	73	JANSKY, IBN YUNUS
2149	FWD	2154	9.9 N	90.1 E	125	15	72	JANSKY, IBN YUNUS, BORDER SEA
2151	FWD	2156	10.1 N	89.3 E	125	15	71	JANSKY, W WALL, IBN YUNUS
2153	FWD	2158	10.4 N	88.6 E	125	15	71	GODDARD
2155	FWD	2160	10.7 N	87.9 E	125	15	70	NEPER, E RIM, BORDER SEA
2157	FWD	2162	11.0 N	87.2 E	125	15	69	NEPER, BORDER SEA
2159	FWD	2164	11.1 N	86.9 E	125	15	69	NEPER, BORDER SEA
2161	FWD	2166	11.4 N	85.8 E	125	15	68	NEPER, BORDER SEA
2163	FWD	2168	11.5 N	85.1 E	125	15	67	NEPER, BORDER SEA
2165	FWD	2170	11.8 N	84.4 E	125	15	66	NEPER, BORDER SEA
2167	FWD	2172	12.1 N	83.5 E	125	15	66	NEPER, W RIM
2169	FWD	2174	12.4 N	82.7 E	124	15	65	NEPER D
2171	FWD	2176	12.5 N	82.1 E	124	15	64	NEPER D
2173	FWD	2178	12.6 N	81.3 E	124	15	63	NEPER D, W WALL, BORDER SEA
2175	FWD	2180	12.9 N	80.6 E	124	15	63	HANSEN B, E WALL
2177	FWD	2182	13.0 N	79.8 E	124	15	62	HANSEN B, ALHAZEN B, E RIM
2179	FWD	2184	13.3 N	78.9 E	124	15	61	HANSEN B, ALHAZEN B
2181	FWD	2186	13.5 N	78.1 E	124	15	60	ALHAZEN B
2183	FWD	2188	13.8 N	77.5 E	124	15	60	ALHAZEN E
2185	FWD	2190	14.0 N	76.8 E	123	15	59	ALHAZEN F
2187	FWD	2192	14.2 N	75.8 E	123	15	58	CONDORCET D, E RIM
2189	FWD	2194	14.3 N	74.9 E	123	15	57	CONDORCET D
2191	FWD	2196	14.4 N	74.1 E	123	15	57	CONDORCET D, ALHAZEN A
2193	FWD	2198	14.5 N	73.5 E	123	15	56	HANSEN
2195	FWD	2200	14.8 N	72.8 E	123	15	55	HANSEN, ALHAZEN, E RIM
2197	FWD	2202	14.9 N	72.2 E	123	15	55	HANSEN, ALHAZEN
2199	FWD	2204	15.0 N	71.6 E	123	15	54	ALHAZEN, CONDORCET
2201	FWD	2206	15.2 N	70.8 E	122	15	53	CONDORCET
2203	FWD	2208	15.3 N	70.1 E	122	15	52	CONDORCET
2205	FWD	2210	15.5 N	69.4 E	122	15	52	CONDORCET, W RIM

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2207	FWD	2212	15.6 N	68.6 E	122	15	51	CONDORCET A, CRISES, SEA OF
2209	FWD	2214	15.8 N	67.7 E	122	15	50	EIMMART K, CRISES, SEA OF
2211	FWD	2216	16.1 N	67.0 E	122	15	50	CONDORCET W, EIMMART K
2213	FWD	2218	16.3 N	66.1 E	122	15	49	CONDORCET H, J, CRISES, SEA OF
2215	FWD	2220	16.3 N	65.4 E	121	15	48	CRISES, SEA OF
2217	FWD	2222	16.5 N	64.6 E	121	15	47	CRISES, SEA OF
2219	FWD	2224	16.6 N	63.9 E	121	15	47	CRISES, SEA OF
2221	FWD	2226	16.8 N	63.3 E	121	15	46	EIMMART H, PICARD X
2223	FWD	2228	16.9 N	62.4 E	121	15	45	PICARD X, CRISES, SEA OF
2225	FWD	2230	17.1 N	61.7 E	121	15	44	CRISES, SEA OF
2227	FWD	2232	17.1 N	61.0 E	120	15	44	EIMMART C, E RIM
2229	FWD	2234	17.3 N	60.3 E	120	15	43	EIMMART C, CRISES, SEA OF
2231	FWD	2236	17.3 N	59.7 E	120	15	42	EIMMART C, W RIM
2233	FWD	2238	17.4 N	58.9 E	120	15	42	CRISES, SEA OF
2235	FWD	2240	17.5 N	58.2 E	120	15	41	CRISES, SEA OF
2237	FWD	2242	17.7 N	57.6 E	120	15	40	CLEOMEDES F, E OF
2239	FWD	2244	17.8 N	56.9 E	119	15	40	CLEOMEDES F
2241	FWD	2246	17.9 N	56.4 E	119	15	39	CLEOMEDES F
2243	FWD	2248	18.1 N	55.8 E	119	15	39	PICARD, CRISES, SEA OF
2245	FWD	2250	18.2 N	55.0 E	119	15	38	PICARD
2247	FWD	2252	18.3 N	54.3 E	119	15	37	LICK, D, CRISES, SEA OF
2249	FWD	2254	18.4 N	53.7 E	119	15	37	LICK, D, PEIRCE, B
2251	FWD	2256	18.5 N	52.9 E	119	15	36	PEIRCE, W RIM, YERKES
2253	FWD	2258	18.6 N	52.2 E	119	15	35	YERKES, GLAISHER A
2255	FWD	2260	18.7 N	51.4 E	118	15	35	YERKES, W RIM, GLAISHER A
2257	FWD	2262	18.8 N	50.7 E	118	15	34	YERKES E, GLAISHER
2259	FWD	2264	18.9 N	50.0 E	118	15	33	GLAISHER, PROCLUS P
2261	FWD	2266	19.0 N	49.2 E	119	15	32	TISSERAND A, PROCLUS P, MACROBIUS C
2263	FWD	2268	19.1 N	48.5 E	118	15	32	TISSERAND, MACROBIUS A
2265	FWD	2270	19.2 N	47.7 E	117	15	31	TISSERAND, PROCLUS
2267	FWD	2272	19.2 N	46.7 E	117	15	30	MACROBIUS, E RIM, D, PROCLUS
2269	FWD	2274	19.3 N	46.2 E	117	15	30	MACROBIUS, PROCLUS P
2271	FWD	2276	19.4 N	45.4 E	117	15	29	MACROBIUS C, PROCLUS P
2273	FWD	2278	19.4 N	44.6 E	117	15	28	MACROBIUS, W RIM, A
2275	FWD	2280	19.4 N	43.8 E	116	15	27	MACROBIUS A
2277	FWD	2282	19.5 N	43.0 E	116	15	27	MACROBIUS, A CF
2279	FWD	2284	19.6 N	42.1 E	116	15	26	MACROBIUS B, E OF
2281	FWD	2286	19.6 N	41.4 E	116	15	25	MACROBIUS B, PROCLUS P
2283	FWD	2288	19.6 N	40.6 E	116	15	24	MACROBIUS A, B
2285	FWD	2290	19.7 N	39.8 E	115	15	24	MACROBIUS A, W RIM, YERKES A

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2287	FWD	2292	19.7 N	39.1 E	115	15	23	MARALDI M
2289	FWD	2294	19.8 N	38.2 E	115	15	22	ROMER J, N, V
2291	FWD	2296	19.9 N	37.4 E	115	15	21	ROMER J, N, MARALDI B, D
2293	FWD	2298	19.9 N	36.7 E	115	15	21	ROMER, MARALDI B, D
2295	FWD	2300	19.9 N	35.9 E	115	15	20	ROMER, K, T, MARALDI A, D
2297	FWD	2302	20.0 N	35.4 E	114	15	19	ROMER K, MARALDI
2299	FWD	2304	20.0 N	34.6 E	114	15	19	MARALDI, VITRUVIUS A
2301	FWD	2306	20.0 N	33.8 E	114	15	18	VITRUVIUS A, LITTROW F
2303	FWD	2308	20.0 N	33.0 E	114	15	17	VITRUVIUS, E DF
2305	FWD	2310	20.0 N	32.2 E	114	15	17	VITRUVIUS, E RIM
2307	FWD	2312	20.0 N	31.4 E	113	15	16	VITRUVIUS, LITTROW
2309	FWD	2314	20.0 N	30.6 E	113	15	15	APOLLO 17 LANDING SITE
2311	FWD	2316	20.0 N	29.7 E	113	15	14	VITRUVIUS E
2313	FWD	2318	20.0 N	28.9 E	113	15	14	VITRUVIUS E
2315	FWD	2320	19.9 N	28.1 E	113	15	13	VITRUVIUS E, W DF
2317	FWD	2322	19.9 N	27.5 E	112	15	12	DAWES, E DF
2319	FWD	2324	19.9 N	26.7 E	112	15	11	DAWES, SERENITY, SEA DF
2321	FWD	2326	19.9 N	26.0 E	112	15	11	DAWES, SERENITY, SEA DF
2323	FWD	2328	19.9 N	25.4 E	112	15	10	DAWES, W DF
2325	FWD	2330	19.9 N	24.6 E	112	15	10	PLINIUS, E RIM
2327	FWD	2332	19.9 N	24.0 E	112	15	9	PLINIUS, SERENITY, SEA DF
2329	FWD	2334	19.8 N	23.4 E	111	15	8	PLINIUS, SERENITY, SEA DF
2331	FWD	2336	19.8 N	22.7 E	111	15	8	PLINIUS, W RIM
2333	FWD	2338	19.8 N	22.0 E	111	15	7	DESPETIGNY
2335	FWD	2340	19.8 N	21.4 E	111	15	6	BESSEL A, DESPETIGNY
2337	FWD	2342	19.8 N	20.6 E	111	15	6	BESSEL A
2339	FWD	2344	19.8 N	19.9 E	110	15	5	TACQUET A
2341	FWD	2346	19.7 N	19.3 E	110	15	4	TACQUET, SERENITY, SEA DF
2343	FWD	2348	19.6 N	18.7 E	110	15	4	TACQUET, BESSEL
2345	FWD	2350	19.6 N	17.9 E	110	15	3	BESSEL, SERENITY, SEA DF
2347	FWD	2352	19.6 N	17.3 E	110	15	3	BESSEL, E DF, A [illegible]
2349	FWD	2354	19.5 N	16.6 E	110	15	2	A, BESSEL, SERENITY, S
2351	FWD	2356	19.5 N	16.0 E	110	15	2	SERENITY, SEA DF
2353	FWD	2358	19.5 N	15.3 E	109	15	1	SERENITY, BESSEL F
2355	FWD	2360	19.4 N	14.5 E	109	15	0	SERENITY, W DF
2357	FWD					15		DARK, BEYOND TERMINATOR
2359	FWD					15		DARK, BEYOND TERMINATOR
2361						15		2341-2344 DARK
2365	FWD	2370	14.9 S	152.3 E	124	23	23	MACARIA, BEYERINCK, E OF A
2366	AFT		15.3 S	154.1 E	124	23	24	MACARIA

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2367	FWD	2372	14.7 S	152.3 E	124	28	28	GAGARIN, BEIJERINCK
2368	AFT		15.1 S	153.8 E	124	28	27	GAGARIN
2369	FWD	2374	14.5 S	151.7 E	124	28	29	GAGARIN, BEIJERINCK
2371	FWD	2376	14.4 S	151.1 E	124	28	30	GAGARIN, BEIJERINCK
2373	FWD	2378	14.2 S	150.4 E	124	28	30	GAGARIN, BEIJERINCK, W WALL
2375	FWD	2380	14.1 S	149.7 E	124	28	31	GAGARIN
2377	FWD	2382	13.9 S	149.1 E	124	28	31	GAGARIN
2379	FWD	2384	13.8 S	148.5 E	124	28	32	GAGARIN
2381	FWD	2386	13.6 S	147.9 E	124	28	33	GAGARIN, W WALL
2383	FWD	2388	13.4 S	147.3 E	124	28	33	GAGARIN, W RIM
2385	FWD	2390	13.2 S	146.7 E	125	28	34	MARCONI, E OF
2387	FWD	2392	13.0 S	146.0 E	125	28	35	MARCONI, E OF
2389	FWD	2394	12.8 S	145.4 E	125	28	35	MARCONI, E WALL
2391	FWD	2396	12.6 S	144.8 E	125	28	36	MARCONI, DENNING, E WALL
2393	FWD	2398	12.4 S	144.1 E	125	28	37	MARCONI, DENNING
2395	FWD	2400	12.2 S	143.4 E	125	28	37	MARCONI, W WALL, DENNING
2397	FWD	2402	12.1 S	142.7 E	125	28	38	MARCONI, W RIM, DENNING, W RIM
2399	FWD	2404	12.0 S	142.1 E	125	28	38	DENNING, W OF
2401	FWD	2406	11.9 S	141.5 E	125	28	39	MARCONI, W OF
2403	FWD	2408	11.7 S	140.9 E	125	28	40	DELLINGER, E WALL
2405	FWD	2410	11.4 S	140.3 E	125	28	40	DELLINGER
2407	FWD	2412	11.3 S	139.6 E	125	28	41	DELLINGER
2409	FWD	2414	11.1 S	139.0 E	126	28	42	DELLINGER, CHAUVENET, E RIM
2411	FWD	2416	10.9 S	138.4 E	126	28	42	DELLINGER, W WALL, CHAUVENET
2413	FWD	2418	10.8 S	137.8 E	126	28	43	CHAUVENET
2415	FWD	2420	10.6 S	137.2 E	126	28	43	CHAUVENET
2417	FWD	2422	10.4 S	136.6 E	126	28	44	CHAUVENET
2419	FWD	2424	10.2 S	135.9 E	126	28	45	CHAUVENET, W RIM
2421	FWD	2426	10.0 S	135.2 E	126	28	45	TEN BRUGGENCATE, E WALL
2423	FWD	2428	9.8 S	134.5 E	126	28	46	TEN BRUGGENCATE
2425	FWD	2430	9.5 S	134.0 E	126	28	47	TEN BRUGGENCATE
2427	FWD	2432	9.3 S	133.3 E	126	28	47	LANE, E WALL
2429	FWD	2434	9.1 S	132.7 E	126	28	48	LANE
2431	FWD	2436	8.9 S	132.1 E	126	28	49	LANE
2433	FWD	2438	8.7 S	131.5 E	126	28	49	LANE, W WALL
2435	FWD	2440	8.5 S	130.8 E	126	28	50	LANE, W OF
2437	FWD	2442	8.3 S	130.3 E	126	28	50	PERFILIKIN, E WALL
2439	FWD	2444	8.0 S	129.6 E	126	28	51	PERFILIKIN, FRASER
2441	FWD	2446	7.9 S	128.9 E	126	28	52	PERFILIKIN, FRASER, LOVE
2443	FWD	2448	7.7 S	128.4 E	126	28	52	PERFILIKIN, W WALL, LOVE

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2445	FWD	2450	7.4 S	127.9 E	126	28	53	PEREPELKIN, W RIM, LOVE
2447	FWD	2452	7.1 S	127.0 E	127	28	54	LOVE, W RIM
2451	FWD	2456	6.9 S	126.1 E	127	28	55	DANJON, E WALL
2449	FWD	2454	7.0 S	126.7 E	127	28	54	LOVE, W OF, DANJON, E RIM
2453	FWD	2458	6.8 S	125.4 E	127	28	55	DANJON, BECVAR, E OF
2455	FWD	2460	6.6 S	124.8 E	127	28	56	DANJON, BECVAR, E WALL
2457	FWD	2462	6.4 S	124.2 E	127	28	57	DANJON, W WALL, BECVAR
2459	FWD	2464	6.1 S	123.6 E	127	28	57	DANJON, W RIM, BECVAR
2461	FWD	2466	6.0 S	123.0 E	127	28	58	BECVAR
2463	FWD	2468	5.7 S	122.4 E	127	28	58	BECVAR, W RIM
2465	FWD	2470	5.4 S	121.9 E	127	28	59	LANGEMAK
2467	FWD	2472	5.3 S	121.3 E	127	28	60	LANGEMAK
2469	FWD	2474	5.1 S	120.7 E	127	28	60	LANGEMAK
2471	FWD	2476	5.0 S	120.0 E	127	28	61	LANGEMAK
2473	FWD	2478	4.6 S	119.6 E	127	28	62	LANGEMAK, W WALL
2475	FWD	2480	4.5 S	118.8 E	127	28	62	LANGEMAK, W RIM
2477	FWD	2482	4.2 S	118.4 E	127	28	63	LANGEMAK, W OF
2479	FWD	2484	3.7 S	117.8 E	127	28	64	LANGEMAK, W OF
2481	FWD	2486	3.5 S	117.0 E	127	28	64	VESALIUS, E OF
2483	FWD	2488	3.2 S	116.4 E	127	28	65	VESALIUS, E OF
2485	FWD	2490	3.2 S	115.9 E	127	28	65	VESALIUS, E RIM, ABUL WAFA, E WALL
2487	FWD	2492	3.0 S	115.3 E	127	28	66	VESALIUS, ABUL WAFA
2489	FWD	2494	2.8 S	114.7 E	127	28	67	VESALIUS, ABUL WAFA
2491	FWD	2496	2.7 S	114.1 E	127	28	67	VESALIUS, ABUL WAFA, W WALL
2493	FWD	2498	2.6 S	113.5 E	127	28	68	VESALIUS, W WALL, BUISSON, E WALL
2495	FWD	2500	2.4 S	112.9 E	127	28	69	BUISSON
2497	FWD	2502	2.2 S	112.3 E	127	28	69	BUISSON, EINTHOVEN, E RIM
2499	FWD	2504	2.0 S	111.7 E	127	28	70	BUISSON, EINTHOVEN, FIRSOV
2501	FWD	2506	1.8 S	111.3 E	127	28	70	EINTHOVEN, FIRSOV
2503	FWD	2508	1.6 S	110.7 E	127	28	71	EINTHOVEN, FIRSOV, S WALL
2505	FWD	2510	1.5 S	110.2 E	127	28	71	EINTHOVEN, W RIM, FIRSOV, S WALL
2507	FWD	2512	1.3 S	109.7 E	127	28	72	EINTHOVEN, W OF, FIRSOV, S RIM
2509	FWD	2514	1.1 S	109.0 E	127	28	72	EINTHOVEN, W OF, FIRSOV, W OF
2511	FWD	2516	.8 S	108.2 E	127	28	73	EINTHOVEN, W OF
2513	FWD	2518	.6 S	107.6 E	126	28	7	EINTHOVEN, W OF
2515	FWD	2520	.3 S	107.1 E	126	28	74	SAHA, E OF
2517	FWD	2522	.1 S	106.5 E	126	28	75	SAHA, E OF
2519	FWD	2524	.1 N	105.8 E	126	28	76	SAHA, E OF
2521	FWD	2526	.3 N	105.4 E	126	28	76	SAHA, E WALL
2523	FWD	2528	.5 N	104.9 E	126	28	77	SAHA

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2525	FWD	2530	.5 N	104.1 E	126	28	77	SAHA
2527	FWD	2532	.7 N	103.5 E	126	28	78	SAHA
2529	FWD	2534	1.0 N	103.0 E	126	28	78	SAHA, SAENGER, E WALL
2531	FWD	2536	1.4 N	102.3 E	126	28	79	SAHA, W RIM, SAENGER
2533	FWD	2538	1.6 N	101.6 E	126	28	79	SAENGER
2535	FWD	2540	1.8 N	101.0 E	126	28	80	SAENGER, WYLD, E RIM
2537	FWD	2542	2.0 N	100.5 E	126	28	80	WYLD, E WALL
2539	FWD	2544	2.3 N	99.9 E	126	28	81	WYLD
2541	FWD	2546	2.6 N	99.2 E	126	28	81	WYLD
2543	FWD	2548	2.9 N	98.7 E	126	28	82	WYLD, ERRO, E RIM
2545	FWD	2550	3.2 N	98.1 E	126	28	82	WYLD, W WALL, ERRO
2547	FWD	2552	3.3 N	97.4 E	126	28	83	ERRO, PURKYNE, E WALL
2549	FWD	2554	3.3 N	96.8 E	126	28	83	ERRO, PURKYNE
2551	FWD	2556	3.5 N	96.2 E	125	28	83	PURKYNE, W WALL
2553	FWD	2558	3.7 N	95.6 E	125	28	84	PURKYNE, BABCOCK, E RIM
2555	FWD	2560	3.9 N	95.0 E	125	28	84	BABCOCK, DREYER
2557	FWD	2562	4.1 N	94.4 E	125	28	84	BABCOCK, DREYER
2559	FWD	2564	4.2 N	93.9 E	125	28	84	BABCOCK, DREYER
2561	FWD	2566	4.5 N	93.3 E	125	28	84	BABCOCK, SMYTH'S SEA
2563	FWD	2568	4.7 N	92.7 E	125	28	84	BABCOCK, W RIM, SMYTH'S SEA
2565	FWD	2570	5.1 N	92.1 E	125	28	84	JANSKY, E OF, SMYTH'S SEA
2567	FWD	2572	5.2 N	91.6 E	125	28	84	JANSKY, E OF, SMYTH'S SEA
2569	FWD	2574	5.5 N	91.0 E	125	28	84	JANSKY, E OF, SMYTH'S SEA
2571	FWD	2576	5.7 N	90.3 E	125	28	84	JANSKY, E OF, SMYTH'S SEA, BORDER SEA
2573	FWD	2578	5.8 N	89.6 E	125	28	83	JANSKY, E WALL, SMYTH'S SEA, BORDER SEA
2575	FWD	2580	6.2 N	89.3 E	125	28	83	JANSKY, SMYTH'S SEA, BORDER SEA
2577	FWD	2582	6.6 N	88.8 E	124	28	82	JANSKY, SMYTH'S SEA, BORDER SEA
2579	FWD	2584	6.8 N	88.3 E	124	28	82	JANSKY, W WALL, SMYTH'S SEA, BORDER SEA
2581	FWD	2586	6.9 N	87.9 E	124	28	82	JANSKY, W RIM, SMYTH'S SEA, BORDER SEA
2583	FWD	2588	6.9 N	87.0 E	124	28	81	NEPER K, SMYTH'S SEA, BORDER SEA
2585	FWD	2590	7.1 N	86.5 E	124	28	81	NEPER, K, SMYTH'S SEA, BORDER SEA
2587	FWD	2592	7.5 N	85.9 E	124	28	80	NEPER, K, SMYTH'S SEA, BORDER SEA
2589	FWD	2594	7.5 N	85.3 E	124	28	80	NEPER, K, SMYTH'S SEA, BORDER SEA
2591	FWD		7.9 N	84.7 E	124	28	79	NEPER, BORDER SEA
2593	FWD		8.1 N	84.1 E	124	28	79	NEPER, SCHUBERT, BORDER SEA
2595	ORI		8.5 N	64.6 E	119	34	69	FIRMICUS, E HALF, TILT 40, AZ 194
2596	ORI		8.7 N	64.1 E	119	34	68	FIRMICUS, E HALF, TILT 40, AZ 194
2597	ORI		8.8 N	63.5 E	119	34	68	FIRMICUS, E HALF, TILT 40, AZ 194
2598	ORI		9.0 N	62.8 E	119	34	67	FIRMICUS, E HALF, TILT 40, AZ 194
2599	ORI		9.1 N	62.2 E	119	34	67	FIRMICUS, E OF, TILT 40, AZ 194

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2600	FWD	2605	5.9 N	78.6 E	112	49	80	BANACHIEWICZ, W RIM
2601	AFT		5.4 N	79.7 E	112	49	79	BANACHIEWICZ
2602	FWD	2607	6.2 N	78.0 E	112	49	80	BANACHIEWICZ, W OF, SCHUBERT H
2603	AFT		5.8 N	79.2 E	112	49	79	BANACHIEWICZ
2604	FWD	2609	6.4 N	77.5 E	112	49	80	BANACHIEWICZ, W OF
2606	FWD	2611	6.7 N	76.7 E	112	49	80	BANACHIEWICZ, W OF
2608	FWD	2613	7.0 N	76.1 E	112	49	81	BANACHIEWICZ, W OF
2610	FWD	2615	7.1 N	75.4 E	112	49	81	BANACHIEWICZ, W OF
2612	FWD	2617	7.3 N	74.8 E	112	49	81	BANACHIEWICZ, W OF
2614	FWD	2619	7.6 N	74.2 E	112	49	81	CONDORCET F, E RIM
2616	FWD	2621	7.9 N	73.7 E	112	49	81	CONDORCET F
2618	FWD	2623	8.3 N	73.1 E	112	49	81	CONDORCET F
2620	FWD	2625	8.5 N	72.5 E	112	49	81	CONDORCET F, W RIM, DUBIAGO
2622	FWD	2627	8.8 N	71.8 E	112	49	81	DUBIAGO, HANSEN, E RIM
2624	FWD	2629	9.0 N	71.3 E	112	49	81	CONDORCET P
2626	FWD	2631	9.2 N	70.7 E	112	49	80	CONDORCET P, HANSEN
2628	FWD	2633	9.4 N	70.1 E	112	49	80	CONDORCET, P, HANSEN
2630	FWD	2635	9.6 N	69.5 E	112	49	80	CONDORCET
2632	FWD	2637	9.8 N	68.9 E	112	49	79	CONDORCET, WAVES, SEA OF
2634	FWD	2639	10.0 N	68.4 E	112	49	79	CONDORCET, D, Y
2636	FWD	2641	10.3 N	67.7 E	112	49	79	CONDORCET, Y, WAVES, SEA OF
2638	FWD	2643	10.7 N	67.0 E	112	49	78	CONDORCET A, FIRMICUS B
2640	FWD	2645	11.0 N	66.3 E	112	49	78	FIRMICUS, E RIM, AUZOUT B, C
2642	FWD	2647	11.2 N	65.6 E	112	49	78	FIRMICUS
2644	FWD	2649	11.4 N	65.0 E	112	49	77	FIRMICUS, F, AUZOUT, A
2646	FWD	2651	11.6 N	64.4 E	112	49	77	FIRMICUS, F, AUZOUT
2648	FWD	2653	11.8 N	63.8 E	112	49	76	FIRMICUS, F, AUZOUT
2650	FWD	2655	12.0 N	63.2 E	112	49	76	CRISES, SEA OF
2652	FWD	2657	12.2 N	62.7 E	112	49	75	CRISES, SEA OF
2654	FWD	2659	12.3 N	62.1 E	112	49	75	AUZOUT F, PICARD X
2656	FWD	2661	12.5 N	61.4 E	112	49	74	AUZOUT E, G, PICARD X
2658	FWD	2663	12.7 N	60.8 E	112	49	74	AUZOUT G
2660	FWD	2665	13.0 N	60.1 E	112	49	73	AUZOUT G, APOLLONIUS X
2662	FWD	2667	13.1 N	59.5 E	112	49	73	APOLLONIUS X, CRISES, SEA OF
2664	FWD	2669	13.3 N	58.8 E	112	49	72	PICARD H, J, CRISES, SEA OF
2666	FWD	2671	13.5 N	58.2 E	112	49	71	PICARD H, J, CRISES, SEA OF
2668	FWD	2673	13.6 N	57.5 E	112	49	71	PICARD H, CRISES, SEA OF
2670	FWD	2675	13.8 N	56.8 E	112	49	70	CRISES, SEA OF
2672	FWD	2677	13.9 N	56.3 E	112	49	70	PICARD G, E OF, CRISES, SEA OF
2674	FWD	2679	14.1 N	55.7 E	112	49	69	PICARD G, CRISES, SEA OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2676	FWD	2681	14.4 N	55.2 E	112	49	69	PICARD, G, CRISES, SEA OF
2678	FWD	2683	14.6 N	54.6 E	112	49	68	PICARD, LICK, E RIM
2680	FWD	2685	14.8 N	53.8 E	112	49	67	LICK, D
2682	FWD	2687	15.0 N	53.2 E	112	49	67	LICK, B, D, PEIRCE
2684	FWD	2689	15.1 N	52.5 E	112	49	66	LICK B, YERKES, PEIRCE, B
2686	FWD	2691	15.3 N	51.9 E	112	49	66	GLAISHER A, YERKES, PEIRCE, B
2688	FWD	2693	15.6 N	51.3 E	112	49	65	GLAISHER A, B, C, YERKES
2690	FWD	2695	15.8 N	50.6 E	112	49	65	GLAISHER, C, E, YERKES E
2692	FWD	2697	16.1 N	50.0 E	112	49	64	GLAISHER, E
2694	FWD	2699	16.3 N	49.4 E	112	49	63	GLAISHER W, PROCLUS P
2696	FWD	2701	16.6 N	48.8 E	112	49	63	GLAISHER W, PROCLUS P, PEIRCE C
2698	FWD	2703	16.8 N	48.2 E	112	49	62	GLAISHER W, TISSERAND A
2700	FWD	2705	17.0 N	47.5 E	112	49	62	TISSERAND, PROCLUS
2702	FWD	2707	17.1 N	46.9 E	112	49	61	TISSERAND, PROCLUS
2704	FWD	2709	17.2 N	46.2 E	112	49	60	TISSERAND, PROCLUS R, MACROBIUS, D
2706	FWD	2711	17.3 N	45.5 E	112	49	60	PROCLUS R, MACROBIUS
2708	FWD	2713	17.5 N	44.9 E	112	49	59	PROCLUS G, MACROBIUS
2710	FWD	2715	17.7 N	44.2 E	112	49	59	PROCLUS A, MACROBIUS
2712	FWD	2717	17.9 N	43.6 E	112	49	58	PROCLUS A, G, MACROBIUS
2714	FWD	2719	18.1 N	42.9 E	112	49	57	PROCLUS A
2716	FWD	2721	18.3 N	42.3 E	112	49	57	LYELL
2718	FWD	2723	18.5 N	41.6 E	112	49	56	LYELL, PROCLUS D
2720	FWD	2725	18.7 N	40.8 E	112	49	56	LYELL, A, FRANZ
2722	FWD	2727	18.9 N	40.1 E	112	49	55	LYELL A, MACROBIUS A, B
2724	FWD	2729	18.9 N	39.6 E	112	49	54	MARALDI M, MACROBIUS A
2726	FWD	2731	19.0 N	38.9 E	112	49	54	MARALDI M
2728	FWD	2733	19.1 N	38.3 E	112	49	53	MARALDI B
2730	FWD	2735	19.3 N	37.5 E	112	49	52	MARALDI B, D
2732	FWD	2737	19.4 N	37.0 E	112	49	52	MARALDI D
2734	FWD	2739	19.6 N	36.4 E	112	49	51	MARALDI A, D, F, ROMER T
2736	FWD	2741	19.8 N	35.8 E	112	49	51	MARALDI, D, F, ROMER, T
2738	FWD	2743	19.9 N	35.1 E	112	49	50	MARALDI, ROMER, K, T
2740	FWD	2745	20.0 N	34.3 E	112	49	49	MARALDI, ROMER, VITRUVIUS A
2742	FWD	2747	20.2 N	33.5 E	112	49	49	ROMER L, R, LITTROW F
2744	FWD	2749	20.3 N	32.9 E	112	49	48	ROMER R, VITRUVIUS, E OF
2746	FWD	2751	20.5 N	32.2 E	112	49	47	VITRUVIUS, LITTROW A, D
2748	FWD	2753	20.7 N	31.7 E	112	49	47	VITRUVIUS, LITTROW, A, D
2750	FWD	2755	20.9 N	30.9 E	112	49	46	LITTROW, APOLLO 17 LANDING SITE
2752	FWD	2757	20.9 N	30.3 E	112	49	46	VITRUVIUS E, E OF, LE MONNIER
2754	FWD	2759	20.9 N	29.6 E	112	49	45	VITRUVIUS E, LE MONNIER

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2756	FWD	2761	21.1 N	28.9 E	112	49	44	LE MONNIER
2758	FWD	2763	21.2 N	28.3 E	112	49	44	SERENITY, SEA OF
2760	FWD	2765	21.3 N	27.6 E	112	49	43	DAWES, SERENITY, SEA OF
2762	FWD	2767	21.4 N	26.9 E	112	49	42	DAWES, SERENITY, SEA OF
2764	FWD		21.5 N	26.2 E	112	49	42	DAWES, W RIM
2766	FWD		21.6 N	25.5 E	112	49	41	DAWES, W OF
2768	FWD		21.7 N	24.9 E	112	49	41	PLINIUS, N RIM
2769	FWD	OBL	18.0 S	129.2 E	114	62	17	TSIOLKOVSKY, TILT 32, AZ 283
2770	AFT	OBL	18.4 S	130.7 E	114	62	16	TSIOLKOVSKY, TILT 07, AZ 283
2771	FWD	OBL	17.9 S	128.5 E	114	62	18	TSIOLKOVSKY, TILT 33, AZ 284
2772	AFT	OBL	18.3 S	130.1 E	114	62	16	TSIOLKOVSKY, TILT 08, AZ 284
2773	FWD	OBL	17.7 S	127.8 E	114	62	19	TSIOLKOVSKY, TILT 34, AZ 284
2774	AFT	OBL	18.1 S	129.5 E	114	62	17	TSIOLKOVSKY, TILT 09, AZ 284
2775	FWD	OBL	17.5 S	127.1 E	114	62	17	TSIOLKOVSKY, TILT 34, AZ 284
2776	AFT	OBL	17.9 S	128.7 E	114	62	18	TSIOLKOVSKY, TILT 09, AZ 284
2777	FWD	OBL	17.2 S	126.5 E	114	62	20	TSIOLKOVSKY, W WALL, TILT 35, AZ 284
2778	AFT	OBL	17.7 S	128.1 E	114	62	18	TSIOLKOVSKY, TILT 10, AZ 284
2779	FWD	OBL	17.1 S	125.7 E	114	62	21	FERMI, TILT 35, AZ 284
2780	AFT	OBL	17.5 S	127.3 E	114	62	19	TSIOLKOVSKY, TILT 11, AZ 284
2781	FWD	OBL	16.9 S	124.9 E	114	62	21	FERMI, TILT 36, AZ 285
2782	AFT	OBL	17.2 S	126.6 E	114	62	20	TSIOLKOVSKY, TILT 11, AZ 285
2783	FWD	OBL	16.7 S	124.1 E	114	62	22	FERMI, TILT 37, AZ 285
2784	AFT	OBL	17.1 S	126.0 E	114	62	20	TSIOLKOVSKY, W RIM, TILT 12, AZ 285
2785	FWD	OBL	16.5 S	123.5 E	114	62	23	FERMI, TILT 37, AZ 285
2786	AFT	OBL	17.0 S	125.2 E	114	62	21	FERMI, TILT 13, AZ 285
2787	FWD	OBL	16.3 S	122.7 E	114	62	23	FERMI, TILT 38, AZ 285
2788	AFT	OBL	16.8 S	124.4 E	114	62	22	FERMI, TILT 13, AZ 285
2789	FWD	OBL	16.1 S	122.0 E	114	62	24	FERMI, TILT 39, AZ 285
2790	AFT	OBL	16.6 S	123.8 E	114	62	22	FERMI, TILT 14, AZ 285
2791	FWD	OBL	15.8 S	121.2 E	114	62	25	FERMI, TILT 39, AZ 285
2792	AFT	OBL	16.4 S	123.1 E	114	62	23	FERMI, TILT 14, AZ 285
2793	FWD	OBL	15.7 S	120.6 E	114	62	26	FERMI, W RIM, TILT 40, AZ 286
2794	AFT	OBL	16.2 S	122.5 E	114	62	24	FERMI, TILT 15, AZ 286
2795	FWD	OBL	15.5 S	120.1 E	114	62	26	FERMI, W RIM, TILT 40, AZ 286
2796	AFT	OBL	16.1 S	121.8 E	114	62	24	FERMI, TILT 16, AZ 286
2797	FWD	OBL	15.2 S	119.3 E	114	62	27	LANGEMAK, TILT 41, AZ 287
2798	AFT	OBL	15.7 S	121.1 E	114	62	25	FERMI, TILT 16, AZ 287
2799	FWD	OBL	14.9 S	118.6 E	114	62	28	LANGEMAK, TILT 41, AZ 287
2800	AFT	OBL	15.6 S	120.4 E	114	62	26	FERMI, TILT 17, AZ 287
2801	FWD	OBL	14.8 S	117.9 E	114	62	29	LANGEMAK, TILT 42, AZ 288

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2802	AFT	OBL	15.3 S	119.8 E	114	62	26	FERMI, W RIM, TILT 17, AZ 288
2803	FWD	OBL	14.4 S	117.1 E	114	62	29	LANGEMAK, TILT 43, AZ 288
2804	AFT	OBL	15.1 S	119.1 E	114	62	27	LANGEMAK, TILT 18, AZ 288
2805	FWD	OBL	14.2 S	116.5 E	114	62	30	KONDRATYUK, TILT 43, AZ 288
2806	AFT	OBL	14.8 S	118.4 E	114	62	28	LANGEMAK, TILT 19, AZ 288
2807	FWD	OBL	14.0 S	115.8 E	114	62	31	KONDRATYUK, TILT 44, AZ 288
2808	AFT	OBL	14.7 S	117.8 E	114	62	28	LANGEMAK, TILT 19, AZ 288
2809	FWD	OBL	13.9 S	114.9 E	114	62	31	KONDRATYUK, TILT 44, AZ 288
2810	AFT	OBL	14.5 S	117.0 E	114	62	29	KONDRATYUK, TILT 20, AZ 288
2811	FWD	OBL	13.7 S	114.3 E	114	62	32	KONDRATYUK, W RIM, TILT 45, AZ 288
2812	AFT	OBL	14.2 S	116.4 E	114	62	30	KONDRATYUK, TILT 20, AZ 288
2813	FWD	OBL	13.3 S	113.5 E	114	62	33	MEITNER, TILT 46, AZ 288
2814	AFT	OBL	14.0 S	115.7 E	114	62	30	KONDRATYUK, TILT 21, AZ 288
2815	FWD	OBL	13.0 S	112.7 E	114	62	33	MEITNER, TILT 46, AZ 288
2816	AFT	OBL	13.9 S	115.0 E	114	62	31	KONDRATYUK, TILT 22, AZ 288
2817	FWD	OBL	12.8 S	112.1 E	114	62	34	MEITNER, TILT 47, AZ 289
2818	AFT	OBL	13.8 S	114.5 E	114	62	32	KONDRATYUK, W RIM, TILT 22, AZ 289
2819	FWD	OBL	12.5 S	111.3 E	114	62	35	MEITNER, TILT 48, AZ 289
2820	AFT	OBL	13.5 S	113.8 E	114	62	32	MEITNER, TILT 23, AZ 289
2821	FWD	OBL	12.4 S	110.8 E	114	62	36	MEITNER, TILT 48, AZ 289
2822	AFT	OBL	13.2 S	113.1 E	114	62	33	MEITNER, TILT 24, AZ 289
2823	FWD	OBL	12.2 S	110.0 E	114	62	36	HILBERT, TILT 49, AZ 289
2824	AFT	OBL	12.9 S	112.3 E	114	62	34	MEITNER, TILT 24, AZ 289
2825	FWD	OBL	11.9 S	109.4 E	114	62	37	HILBERT, TILT 50, AZ 289
2826	AFT	OBL	12.7 S	111.8 E	114	62	35	MEITNER, TILT 25, AZ 289
2827	FWD	OBL	11.7 S	108.8 E	114	62	38	HILBERT, TILT 50, AZ 289
2828	AFT	OBL	12.4 S	111.0 E	114	62	35	MEITNER, TILT 26, AZ 289
2829	FWD	OBL	11.2 S	107.7 E	114	62	39	PASTEUR, TILT 50, AZ 289
2830	AFT	OBL	12.3 S	110.5 E	114	62	36	HILBERT, TILT 26, AZ 289
2831	FWD	OBL	11.1 S	107.1 E	114	62	39	PASTEUR, TILT 52, AZ 289
2832	AFT	OBL	12.1 S	109.9 E	114	62	37	HILBERT, TILT 27, AZ 289
2833	FWD	OBL	10.9 S	106.3 E	114	62	40	PASTEUR, TILT 52, AZ 290
2834	AFT	OBL	11.8 S	109.1 E	114	62	37	HILBERT, TILT 27, AZ 290
2835	FWD	OBL	10.5 S	105.2 E	114	62	41	PASTEUR, TILT 53, AZ 290
2836	AFT	OBL	11.7 S	108.5 E	113	62	38	HILBERT, TILT 27, AZ 290
2837	FWD	OBL	10.3 S	104.6 E	113	62	42	PASTEUR, TILT 54, AZ 290
2838	AFT	OBL	11.4 S	107.8 E	113	62	39	PASTEUR, TILT 28, AZ 290
2839	FWD	OBL	10.1 S	104.0 E	113	62	42	PASTEUR, TILT 54, AZ 290
2840	AFT	OBL	11.1 S	107.0 E	113	62	39	PASTEUR, TILT 30, AZ 290
2841	FWD	OBL	10.0 S	103.1 E	113	62	43	PASTEUR, TILT 55, AZ 290

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME -316-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2842	AFT	OBL	10.9 S	106.4 E	113	62	40	PASTEUR, TILT 30, AZ 290
2843	FWD	OBL	9.5 S	102.4 E	113	62	44	PASTEUR, W WALL, TILT 56, AZ 290
2844	AFT	OBL	10.6 S	105.6 E	113	62	41	PASTEUR, TILT 31, AZ 290
2845	FWD	OBL	9.2 S	101.9 E	113	62	45	PASTEUR, W WALL, TILT 56, AZ 290
2846	AFT	OBL	10.4 S	105.0 E	113	62	41	PASTEUR, TILT 32, AZ 290
2847	FWD	OBL	8.8 S	101.2 E	113	62	46	PASTEUR, W OF, TILT 57, AZ 290
2848	AFT	OBL	10.2 S	104.3 E	113	62	42	PASTEUR, TILT 32, AZ 290
2849	FWD	OBL	8.6 S	100.4 E	113	62	46	PASTEUR, W OF, TILT 57, AZ 291
2850	AFT	OBL	10.0 S	103.8 E	113	62	43	PASTEUR, TILT 33, AZ 291
2851	FWD	OBL	8.2 S	99.7 E	113	62	47	GANSKY, TILT 58, AZ 291
2852	AFT	OBL	9.6 S	102.9 E	113	62	43	PASTEUR, TILT 33, AZ 291
2853	FWD	OBL	7.8 S	98.9 E	113	62	48	GANSKY, TILT 58, AZ 291
2854	AFT	OBL	9.3 S	102.2 E	113	62	44	PASTEUR, W WALL, TILT 34, AZ 291
2855	FWD	OBL	7.5 S	98.3 E	113	62	49	GANSKY, TILT 59, AZ 291
2856	AFT	OBL	9.1 S	101.7 E	113	62	45	PASTEUR, W WALL, TILT 34, AZ 291
2857	FWD	OBL	7.1 S	97.3 E	113	62	49	HIRAYAMA, E WALL, TILT 60, AZ 291
2858	AFT	OBL	8.9 S	101.2 E	113	62	45	PASTEUR, W OF, TILT 35, AZ 291
2859	FWD	OBL	6.8 S	96.6 E	113	62	50	GANSKY, W OF, TILT 60, AZ 291
2860	AFT	OBL	8.7 S	100.5 E	113	62	46	PASTEUR, W OF, TILT 36, AZ 291
2861	FWD	OBL	6.4 S	95.4 E	113	62	51	HIRAYAMA, E WALL, TILT 61, AZ 291
2862	AFT	OBL	8.4 S	99.8 E	113	62	47	GANSKY, E OF, TILT 36, AZ 291
2863	FWD	OBL	6.1 S	94.3 E	113	62	52	HIRAYAMA, TILT 62, AZ 292
2864	AFT	OBL	8.0 S	99.2 E	113	62	48	GANSKY, TILT 37, AZ 292
2865	FWD	OBL	5.5 S	93.5 E	113	62	53	HIRAYAMA, TILT 63, AZ 292
2866	AFT	OBL	7.7 S	98.5 E	113	62	48	GANSKY, TILT 38, AZ 292
2867	FWD	OBL	5.3 S	92.5 E	113	62	54	HIRAYAMA, TILT 63, AZ 292
2868	AFT	OBL	7.4 S	97.9 E	113	62	49	GANSKY, TILT 39, AZ 292
2869	FWD	OBL	4.9 S	91.4 E	113	62	55	HIRAYAMA, TILT 64, AZ 292
2870	AFT	OBL	7.1 S	97.2 E	113	62	50	GANSKY, TILT 39, AZ 292
2871	FWD	OBL	4.3 S	90.2 E	113	62	56	HIRAYAMA, W WALL, TILT 65, AZ 292
2872	AFT	OBL	6.8 S	96.6 E	113	62	50	GANSKY, W OF, TILT 40, AZ 292
2873	FWD	OBL	4.3 S	90.0 E	113	62	56	HIRAYAMA, W WALL, TILT 64, AZ 292
2874	AFT	OBL	6.6 S	95.9 E	113	62	51	HIRAYAMA, E WALL, TILT 38, AZ 292
2875	FWD	OBL	4.4 S	90.7 E	113	62	56	HIRAYAMA, W WALL, TILT 62, AZ 292
2876	AFT	OBL	6.4 S	95.5 E	113	62	51	HIRAYAMA, E WALL, TILT 36, AZ 292
2877	FWD	OBL	4.6 S	91.0 E	113	62	56	HIRAYAMA, W WALL, TILT 60, AZ 292
2878	AFT	OBL	6.2 S	95.2 E	113	62	52	HIRAYAMA, TILT 34, AZ 292
2879	FWD	OBL	4.7 S	91.1 E	113	62	56	HIRAYAMA, W WALL, TILT 58, AZ 292
2880	AFT	OBL	6.1 S	94.9 E	113	62	52	HIRAYAMA, TILT 32, AZ 292
2881	FWD	OBL	4.6 S	91.1 E	113	62	56	HIRAYAMA, W WALL, TILT 56, AZ 292

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2882	AFT	OBL	6.0 S	94.2 E	113	62	52	HIRAYAMA, TILT 30, AZ 293
2883	FWD	OBL	4.6 S	90.9 E	113	62	56	HIRAYAMA, W WALL, TILT 54, AZ 293
2884	AFT	OBL	5.9 S	94.0 E	113	62	53	HIRAYAMA, TILT 28, AZ 293
2885	FWD	OBL	4.6 S	90.8 E	113	62	56	HIRAYAMA, W WALL, TILT 52, AZ 293
2886	AFT	OBL	5.6 S	93.5 E	113	62	53	HIRAYAMA, TILT 26, AZ 293
2887	FWD	OBL	4.4 S	91.0 E	113	62	56	HIRAYAMA, W WALL, TILT 50, AZ 293
2888	AFT	OBL	5.5 S	93.2 E	113	62	54	HIRAYAMA, TILT 24, AZ 293
2889	FWD	OBL	4.4 S	90.2 E	113	62	57	HIRAYAMA, W WALL, TILT 48, AZ 293
2890	VERT		17.6 N	32.2 E	113	62	59	LITTROW F, MARALDI R
2891	VERT		17.8 N	31.5 E	113	62	59	VITRUVIUS
2892	VERT		18.0 N	30.9 E	113	62	58	LITTROW, A, VITRUVIUS
2893	VERT		18.1 N	30.3 E	113	62	57	LITTROW, APOLLO 17 LANDING SITE
2894	VERT		18.3 N	29.7 E	113	62	57	LITTROW, APOLLO 17 LANDING SITE
2895	VERT		18.5 N	29.0 E	113	62	56	LITTROW B, JANSEN E, VITRUVIUS E
2896	VERT		18.6 N	28.5 E	113	62	56	LITTROW B, JANSEN E
2897	VERT		18.8 N	28.0 E	113	62	55	PLINIUS B, DAWES, E OF
2898	VERT		19.0 N	27.3 E	113	62	55	PLINIUS B
2899	VERT		19.1 N	26.7 E	113	62	54	DAWES
2900	VERT		19.3 N	25.9 E	113	62	53	LE MONNIER C
2901	FWD	2906	1.3 N	65.6 E	110	74	70	FIRMICUS M
2902	AFT		.8 N	66.8 E	110	74	69	DUBIAGO, W OF, FOAMING SEA
2903	FWD	2908	1.5 N	64.9 E	110	74	71	FIRMICUS M
2904	AFT		1.1 N	66.0 E	110	74	69	FIRMICUS M, FOAMING SEA
2905	FWD	2910	2.1 N	64.3 E	110	74	71	FIRMICUS M
2907	FWD	2912	2.3 N	63.7 E	110	74	72	FIRMICUS, E OF
2909	FWD	2914	2.5 N	63.1 E	110	74	72	FIRMICUS, E OF
2911	FWD	2916	2.8 N	62.4 E	110	74	73	FIRMICUS, E RIM
2913	FWD	2918	3.0 N	61.8 E	111	74	73	FIRMICUS, WEBB
2915	FWD	2920	3.3 N	61.2 E	111	74	74	FIRMICUS, APOLLONIUS
2917	FWD	2922	3.6 N	60.5 E	111	74	74	FIRMICUS, W RIM, APOLLONIUS
2919	FWD	2924	3.8 N	59.9 E	111	74	75	APOLLONIUS
2921	FWD	2926	4.0 N	59.4 E	111	74	75	APOLLONIUS, W RIM
2923	FWD	2928	4.2 N	58.8 E	111	74	76	APOLLONIUS A, E OF
2925	FWD	2930	4.4 N	58.3 E	111	74	76	APOLLONIUS A, E OF
2927	FWD	2932	4.9 N	57.6 E	111	74	77	APOLLONIUS A, E RIM
2929	FWD	2934	5.0 N	56.9 E	111	74	77	APOLLONIUS A
2931	FWD	2936	5.1 N	56.4 E	111	74	78	APOLLONIUS A
2933	FWD	2938	5.4 N	55.7 E	111	74	79	APOLLONIUS A, S OF
2935	FWD	2940	5.7 N	55.2 E	111	74	79	FISCHER H
2937	FWD	2942	5.9 N	54.6 E	111	74	79	APOLLONIUS K, TARUNTIUS N

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2939	FWD	2944	6.1 N	54.0 E	111	74	79	FERTILITY, SEA OF
2941	FWD	2946	6.4 N	53.4 E	111	74	79	FERTILITY, SEA OF
2943	FWD	2948	6.6 N	52.8 E	111	74	80	PICARD G, E RIM
2945	FWD	2950	6.8 N	52.2 E	111	74	80	PICARD G
2947	FWD	2952	7.1 N	51.6 E	111	74	80	LICK
2949	FWD	2954	7.3 N	51.0 E	111	74	80	LICK
2951	FWD	2956	7.5 N	50.5 E	111	74	81	LICK, TARUNTIUS A
2953	FWD	2958	7.8 N	49.9 E	111	74	81	TARUNTIUS A
2955	FWD	2960	8.0 N	49.3 E	111	74	81	TARUNTIUS, E OF
2957	FWD	2962	8.2 N	48.7 E	111	74	81	TARUNTIUS
2959	FWD	2964	8.4 N	48.1 E	111	74	81	TARUNTIUS
2961	FWD	2966	8.7 N	47.5 E	111	74	81	TARUNTIUS
2963	FWD	2968	8.9 N	46.9 E	111	74	81	TARUNTIUS, W RIM
2965	FWD	2970	9.1 N	46.3 E	112	74	80	TARUNTIUS, W OF
2967	FWD	2972	9.4 N	45.6 E	112	74	80	DA VINCI
2969	FWD	2974	9.6 N	45.0 E	112	74	80	DA VINCI
2971	FWD	2976	9.9 N	44.3 E	112	74	80	DA VINCI, W OF
2973	FWD	2978	10.2 N	43.7 E	112	74	79	DA VINCI, W OF
2975	FWD	2980	10.4 N	43.1 E	112	74	79	TRANQUILITY, SEA OF
2977	FWD	2982	10.7 N	42.4 E	112	74	79	TRANQUILITY, SEA OF
2979	FWD	2984	10.9 N	41.7 E	112	74	78	PROCLUS A
2981	FWD	2986	11.2 N	41.1 E	112	74	78	PROCLUS A
2983	FWD	2988	11.4 N	40.6 E	112	74	77	CAUCHY, E OF
2985	FWD	2990	11.6 N	40.0 E	112	74	77	CAUCHY, E RIM, LYELL
2987	FWD	2992	11.8 N	39.5 E	112	74	76	CAUCHY, SCARP, RILLE
2989	FWD	2994	12.0 N	38.8 E	112	74	76	CAUCHY SCARP, RILLE
2991	FWD	2996	12.3 N	38.2 E	112	74	76	CAUCHY SCARP, RILLE
2993	FWD	2998	12.5 N	37.4 E	112	74	75	CAUCHY SCARP, RILLE
2995	FWD	3000	12.7 N	36.8 E	112	74	75	MARALDI D, E OF
2997	FWD	3002	12.8 N	36.3 E	112	74	74	MARALDI D
2999	FWD	3004	13.0 N	35.6 E	112	74	74	MARALDI D
3001	FWD	3006	13.2 N	35.0 E	112	74	73	MARALDI D
3003	FWD	3008	13.4 N	34.4 E	112	74	72	MARALDI D
3005	FWD	3010	13.6 N	33.6 E	113	74	72	MARALDI, D, SINAS
3007	FWD	3012	13.8 N	33.0 E	113	74	71	SINAS, VITRUVIUS A
3009	FWD	3014	14.0 N	32.4 E	113	74	71	VITRUVIUS A
3011	FWD	3016	14.1 N	31.9 E	113	74	70	VITRUVIUS A
3013	FWD	3018	14.4 N	31.6 E	113	74	70	VITRUVIUS, E OF
3015	FWD	3020	14.6 N	30.7 E	113	74	69	VITRUVIUS
3017	FWD	3022	14.9 N	30.0 E	113	74	69	VITRUVIUS

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96Cm) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3019	FWD	3024	15.0 N	29.4 E	113	74	68	JANSEN, APOLLO 17 LANDING SITE
3021	FWD	3026	15.3 N	28.6 E	113	74	67	JANSEN, APOLLO 17 LANDING SITE
3023	FWD	3028	15.5 N	27.9 E	113	74	67	JANSEN, W OF
3025	FWD	3030	15.6 N	27.3 E	113	74	66	JANSEN, W OF
3027	FWD	3032	15.8 N	26.8 E	113	74	66	DAWES, E OF
3029	FWD	3034	16.0 N	26.2 E	113	74	65	DAWES
3031	FWD	3036	16.2 N	25.4 E	113	74	64	DAWES
3033	FWD		16.4 N	24.8 E	113	74	64	PLINIUS
3035	FWD		16.6 N	24.1 E	113	74	63	PLINIUS
3037	FWD	3042	22.6 N	7.0 W	116	74	34	ARCHIMEDES A
3038	AFT		22.4 N	5.5 W	116	74	37	ARCHIMEDES, S OF
3039	FWD	3044	22.7 N	7.7 W	116	74	34	ARCHIMEDES A, F
3040	AFT		22.5 N	6.2 W	116	74	35	ARCHIMEDES, S OF
3041	FWD	3046	22.7 N	8.4 W	116	74	33	WALLACE
3043	FWD	3048	22.8 N	9.1 W	116	74	32	WALLACE, BEER
3045	FWD	3050	22.8 N	9.8 W	116	74	32	BEER, FEUILLEE
3047	FWD	3052	22.9 N	10.4 W	116	74	31	FEUILLEE, RAINS, SEA OF
3049	FWD	3054	22.8 N	11.1 W	116	74	31	FEUILLEE, W OF
3051	FWD	3056	22.9 N	11.7 W	116	74	30	TIMOCHARIS, E OF
3053	FWD	3058	22.9 N	12.4 W	116	74	29	TIMOCHARIS, E RIM
3055	FWD	3060	22.9 N	13.1 W	116	74	29	TIMOCHARIS
3057	FWD	3062	22.9 N	13.8 W	117	74	28	TIMOCHARIS, W RIM
3059	FWD	3064	22.9 N	14.5 W	117	74	28	TIMOCHARIS, W OF
3061	FWD	3066	22.9 N	15.2 W	117	74	27	TIMOCHARIS, W OF
3063	FWD	3068	23.0 N	15.9 W	117	74	26	TIMOCHARIS, W OF
3065	FWD	3070	23.0 N	16.6 W	117	74	26	TIMOCHARIS, W OF
3067	FWD	3072	23.0 N	17.2 W	117	74	25	LAMBERT R, E OF
3069	FWD	3074	23.0 N	17.9 W	117	74	24	LAMBERT R, E OF
3071	FWD	3076	22.9 N	18.6 W	117	74	24	LAMBERT R, E OF
3073	FWD	3078	22.9 N	19.2 W	117	74	23	LAMBERT, E OF
3075	FWD		23.0 N	19.9 W	117	74	23	LAMBERT, E RIM, R, PYTHEAS
3077	FWD		23.0 N	20.7 W	117	74	22	LAMBERT, R, PYTHEAS
3079	VERT		23.0 N	20.1 W	117	74	22	LAMBERT, E RIM, R, PYTHEAS
3080	VERT		23.0 N	20.4 W	117	74	22	LAMBERT, R, PYTHEAS
3081	VERT		23.0 N	20.9 W	117	74	22	LAMBERT, R, PYTHEAS
3082	VERT		23.0 N	21.2 W	117	74	22	LAMBERT, R, PYTHEAS, W RIM, DRAPER
3083	VERT		23.0 N	21.5 W	117	74	21	LAMBERT, DRAPER
3084	VERT		23.0 N	21.9 W	117	74	21	LAMBERT, W RIM, DRAPER
3085	VERT		23.0 N	22.2 W	117	74	21	LAMBERT, W OF, DRAPER
3086	VERT		23.0 N	22.6 W	117	74	20	LA HIRE R, DRAPER, W OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3087	VERT		23.0 N	22.9 W	117	74	19	LA HIRE A, B
3088	VERT		23.0 N	23.3 W	117	74	19	LA HIRE A, B
3089	VERT		23.0 N	23.7 W	117	74	19	LA HIRE A, B
3090	VERT		23.0 N	24.0 W	117	74	19	LA HIRE A
3091	VERT		23.0 N	24.3 W	117	74	18	MOUNT LA HIRE, E OF
3092	VERT		23.0 N	24.7 W	117	74	18	MOUNT LA HIRE
3093	VERT		23.0 N	25.0 W	117	74	18	MOUNT LA HIRE
3094	VERT		23.0 N	25.4 W	117	74	17	MOUNT LA HIRE
3095	VERT		23.0 N	25.7 W	118	74	17	MOUNT LA HIRE
3096	VERT		23.0 N	26.1 W	118	74	17	MOUNT LA HIRE
3097	VERT		23.0 N	26.4 W	118	74	16	MOUNT LA HIRE, W OF
3098	VERT		23.1 N	26.8 W	118	74	16	TOBIAS MAYER G
3099	VERT		23.1 N	27.1 W	118	74	16	TOBIAS MAYER G
3100	VERT		23.1 N	27.5 W	118	74	15	TOBIAS MAYER G
3101	VERT		23.1 N	27.7 W	118	74	15	TOBIAS MAYER G
3102	VERT		23.1 N	28.1 W	118	74	15	TOBIAS MAYER G
3103	VERT		23.1 N	28.4 W	118	74	14	EULER, E RIM
3104	VERT		23.1 N	28.8 W	118	74	14	EULER
3105	VERT		23.1 N	29.1 W	118	74	13	EULER
3106	VERT		23.1 N	29.5 W	118	74	13	EULER
3107	VERT		23.1 N	29.8 W	118	74	13	EULER, W RIM
3108	VERT		23.1 N	30.1 W	118	74	13	EULER, W OF
3109	VERT		23.1 N	30.5 W	118	74	12	EULER, W OF
3110	VERT		23.0 N	30.7 W	118	74	12	EULER P, E RIM
3111	VERT		23.0 N	31.2 W	118	74	11	EULER P
3112	VERT		23.0 N	31.5 W	118	74	11	EULER P
3113	VERT		22.9 N	31.8 W	118	74	11	EULER P, W RIM
3114	VERT		22.9 N	32.2 W	118	74	11	EULER P, W OF
3115	VERT		22.9 N	32.5 W	118	74	10	BRAYLEY D, E RIM
3116	VERT		22.8 N	32.9 W	118	74	10	BRAYLEY D, DIOPHANTUS, E OF
3117	VERT		22.8 N	33.2 W	118	74	10	BRAYLEY D, DIOPHANTUS
3118	VERT		22.8 N	33.6 W	118	74	10	BRAYLEY D, W RIM, DIOPHANTUS
3119	VERT		22.7 N	33.9 W	118	74	9	BRAYLEY B, E RIM, DIOPHANTUS, EULER E
3120	VERT		22.7 N	34.3 W	118	74	9	BRAYLEY B, EULER E, DIOPHANTUS
3121	VERT		22.7 N	34.6 W	119	74	8	BRAYLEY B, DIOPHANTUS C, TOBIAS MAYER W
3122	VERT		22.7 N	34.9 W	119	74	8	BRAYLEY B, TOBIAS MAYER W
3123	VERT		22.6 N	35.3 W	119	74	8	TOBIAS MAYER W
3124	VERT		22.6 N	35.6 W	119	74	7	TOBIAS MAYER W
3125	VERT		22.6 N	36.0 W	119	74	7	TOBIAS MAYER W
3126	VERT		22.6 N	36.3 W	119	74	7	BRAYLEY, E OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
24 INCH (60.96CM) FOCAL LENGTH

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT Km.	REV NO.	SUN EL.	DESCRIPTION
3127	VERT		22.6 N	36.6 W	119	74	7	BRAYLEY, STORMS, OCEAN OF
3128	VERT		22.5 N	37.0 W	119	74	6	BRAYLEY, STORMS, OCEAN OF
3129	VERT		22.5 N	37.4 W	119	74	6	BRAYLEY, STORMS, OCEAN OF
3130	VERT		22.5 N	37.7 W	119	74	6	BRAYLEY, W RIM
3131	VERT		22.5 N	38.1 W	119	74	5	BRAYLEY, W OF
3132	VERT		22.4 N	38.4 W	119	74	5	BRAYLEY, W OF
3133	VERT		22.4 N	38.8 W	119	74	4	BRAYLEY C, E OF
3134	VERT		22.4 N	39.1 W	119	74	4	BRAYLEY C, E RIM
3135	VERT		22.3 N	39.5 W	119	74	4	BRAYLEY C
3136	VERT		22.2 N	39.8 W	119	74	4	BRAYLEY C, BESSARION A
3137	VERT		22.2 N	40.1 W	119	74	3	BRAYLEY E, W RIM, BESSARION A
3138	VERT		22.2 N	40.5 W	119	74	3	BESSARION A, HARBINGER MOUNTAINS
3139	VERT		22.1 N	40.8 W	119	74	3	BESSARION A, HARBINGER MOUNTAINS
3140	VERT		22.1 N	41.1 W	120	74	2	BESSARION A, HARBINGER MOUNTAINS
3141	VERT		22.1 N	41.5 W	120	74	2	BESSARION D, E RIM
3142	VERT		22.1 N	41.9 W	120	74	2	BESSARION B, D
3143	VERT		22.1 N	42.2 W	120	74	2	BESSARION B, D
3144	VERT		22.0 N	42.5 W	120	74	2	BESSARION B, D, PRINZ, E WALL
3145	VERT		22.0 N	42.9 W	120	74	1	BESSARION B, PRINZ
3146	VERT		21.9 N	43.2 W	120	74	1	BESSARION B, PRINZ
3147	VERT		21.9 N	43.6 W	120	74	1	BESSARION C, N RIM, PRINZ
3148	VERT		21.9 N	43.9 W	120	74	1	PRINZ, STORMS, OCEAN OF
3149						74		3149-3151 DARK
3152	VERT		1.3 S	114.2 E		TE		KING, PASTEUR, HERATAPUS
3153	VERT		1.4 S	113.6 E		TE		KING, PASTEUR, HERATAPUS
3154	VERT		.8 S	113.0 E		TE		KING, PASTEUR, HERATAPUS
3155	VERT		.4 S	112.5 E		TE		KING, PASTEUR, HERATAPUS
3156	VERT		.1 N	112.0 E		TE		KING, SAHA, ANSGARIUS
3157	VERT		.6 N	111.5 E		TE		KING, SAHA, ANSGARIUS
3158	VERT		1.2 N	111.2 E		TE		KING, SAHA, ANSGARIUS
3159	VERT		1.7 N	110.9 E		TE		KING, SAHA, ANSGARIUS
3160	VERT		2.0 N	110.2 E		TE		KING, SAHA, ANSGARIUS
3161	VERT		2.1 N	109.6 E		TE		KING, SMYTH'S SEA, LAWRENCE
3162	VERT		2.7 N	109.0 E		TE		LOBACHEVSKY, SMYTH'S SEA, LAWRENCE
3163	VERT		3.0 N	108.3 E		TE		LOBACHEVSKY, SMYTH'S SEA, LAWRENCE
3164	VERT		3.3 N	107.7 E		TE		SHYOT, SMYTH'S SEA, LAWRENCE
3165	VERT		3.8 N	107.9 E		TE		SHYOT, SMYTH'S SEA, LAWRENCE
3166	VERT		4.2 N	106.7 E		TE		FLEMING, SMYTH'S SEA, LAWRENCE
3167	VERT		4.6 N	106.4 E		TE		FLEMING, SMYTH'S SEA, LAWRENCE
3168	VERT		4.9 N	106.1 E		TE		FLEMING, SMYTH'S SEA, LAWRENCE

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 150 TO 160 W

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1588	FWD	1593	19.8 S	154.1 W	126	1	2	GALOIS, WILSING, PLUMMER
1589	AFT		19.9 S	152.6 W	126	1	0	GALOIS
1590	FWD	1595	19.7 S	155.0 W	125	1	3	GALOIS, WILSING, PLUMMER
1591	AFT		19.9 S	153.4 W	125	1	1	GALOIS, WILSING, E RIM
1592	FWD	1597	19.6 S	155.7 W	125	1	3	GALOIS, WILSING
1594	FWD	1599	19.5 S	156.3 W	124	1	4	GALOIS, WILSING, W RIM
1596	FWD	1601	19.4 S	156.9 W	123	1	4	GALOIS, WILSING, W OF
1598	FWD	1603	19.3 S	157.5 W	122	1	5	GALOIS, W RIM, WILSING, W OF
1600	FWD	1605	19.2 S	158.2 W	121	1	6	GALOIS, W OF, WILSING, W OF
1602	FWD	1607	19.2 S	159.0 W	121	1	6	DOPPLER, S OF
1604	FWD	1609	19.1 S	159.8 W	120	1	7	DOPPLER

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 160 TO 170 W

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1606	FWD	1611	19.0 S	160.5 W	119	1	8	DOPPLER, WALKER, N OF
1608	FWD	1613	18.9 S	161.1 W	118	1	8	DOPPLER, WALKER, N OF
1610	FWD	1615	18.8 S	161.8 W	118	1	9	DOPPLER, WALKER, N OF
1612	FWD	1617	18.6 S	162.6 W	117	1	10	DOPPLER, WALKER, N OF
1614	FWD	1619	18.5 S	163.2 W	116	1	10	MOHOROVICIC, E OF
1616	FWD	1621	18.4 S	163.9 W	115	1	11	MOHOROVICIC
1618	FWD	1623	18.2 S	164.6 W	115	1	11	MOHOROVICIC
1620	FWD	1625	18.1 S	165.2 W	114	1	12	MOHOROVICIC
1622	FWD	1627	18.1 S	165.9 W	113	1	13	MOHOROVICIC
1624	FWD	1629	17.9 S	166.6 W	113	1	13	MOHOROVICIC, W OF
1626	FWD	1631	17.8 S	167.3 W	112	1	14	MOHOROVICIC, W OF, SNIADECKI
1628	FWD	1633	17.7 S	168.0 W	111	1	15	MOHOROVICIC, W OF, SNIADECKI
1630	FWD	1635	17.6 S	168.7 W	111	1	15	SNIADECKI, MC KELLAR, E OF
1632	FWD	1637	17.4 S	169.4 W	110	1	16	SNIADECKI, MC KELLAR, E OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 170 TO 180 W

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1634	FWD	1639	17.3 S	170.0 W	109	1	17	MC KELLAR
1636	FWD	1641	17.3 S	170.6 W	109	1	17	MC KELLAR
1638	FWD	1643	17.3 S	171.1 W	108	1	18	MC KELLAR
1640	FWD	1645	17.2 S	171.7 W	108	1	19	MC KELLAR, W RIM
1642	FWD	1647	17.1 S	172.3 W	107	1	19	MC KELLAR, W OF
1644	FWD	1649	16.9 S	173.0 W	107	1	20	MC KELLAR, W OF
1646	FWD	1651	16.8 S	173.8 W	107	1	21	MC KELLAR, W OF
1648	FWD	1653	16.6 S	174.4 W	106	1	21	DE VRIES, E RIM
1650	FWD	1655	16.5 S	175.0 W	105	1	22	DE VRIES
1652	FWD	1657	16.4 S	175.8 W	105	1	23	DE VRIES
1654	FWD	1659	16.2 S	176.3 W	104	1	23	DE VRIES
1656	FWD	1661	16.1 S	177.0 W	104	1	24	DE VRIES, W RIM
1658	FWD	1663	15.9 S	177.6 W	103	1	24	RACAH, E OF
1660	FWD	1665	15.8 S	178.3 W	103	1	25	RACAH, E OF
1662	FWD	1667	15.6 S	179.0 W	102	1	26	RACAH
1664	FWD	1669	15.5 S	179.6 W	102	1	26	RACAH
1881	FWD	1886	18.6 S	173.8 W	115	13	9	MC KELLAR, W OF
1882	AFT		18.9 S	172.1 W	116	13	8	MC KELLAR, W RIM
1883	FWD	1888	18.5 S	174.4 W	116	13	10	DE VRIES, E OF
1884	AFT		18.7 S	173.0 W	116	13	9	MC KELLAR, W OF
1885	FWD	1890	18.4 S	175.1 W	116	13	11	DE VRIES, E RIM
1887	FWD	1892	18.3 S	175.8 W	116	13	11	DE VRIES, E HALF
1889	FWD	1894	18.2 S	176.5 W	116	13	12	DE VRIES
1891	FWD	1896	18.1 S	177.5 W	116	13	13	DE VRIES, W WALL
1893	FWD	1898	17.9 S	178.1 W	117	13	13	DE VRIES, W OF, RACAH, E OF
1895	FWD	1900	17.8 S	179.0 W	117	13	14	RACAH, E WALL
1897	FWD	1902	17.8 S	179.6 W	117	13	15	RACAH

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 179 TO 180 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1666	FWD	1671	15.4 S	179.8 E	101	2	27	RACAH
1668	FWD	1673	15.3 S	179.2 E	101	2	27	RACAH
1670	FWD	1675	15.2 S	178.6 E	101	2	28	RACAH, W RIM, BERGSTRAND, E RIM
1672	FWD	1677	15.0 S	178.0 E	100	2	29	BERGSTRAND
1674	FWD	1679	14.9 S	177.4 E	100	2	29	BERGSTRAND
1676	FWD	1681	14.7 S	176.9 E	100	2	30	BERGSTRAND, W RIM
1678	FWD	1683	14.5 S	176.2 E	99	2	30	AITKEN, E WALL
1680	FWD	1685	14.4 S	175.6 E	99	2	31	AITKEN, E WALL
1682	FWD	1687	14.2 S	175.0 E	99	2	32	AITKEN
1684	FWD	1689	14.0 S	174.4 E	98	2	32	AITKEN
1686	FWD	1691	13.8 S	173.8 E	98	2	33	AITKEN
1688	FWD	1693	13.7 S	173.1 E	98	2	33	AITKEN
1690	FWD	1695	13.5 S	172.4 E	97	2	34	AITKEN
1692	FWD	1697	13.3 S	171.8 E	97	2	35	AITKEN, W WALL
1694	FWD	1699	13.1 S	171.0 E	97	2	35	AITKEN, W RIM
1696	FWD	1701	12.9 S	170.4 E	97	2	36	AITKEN, W OF
1899	FWD	1904	17.7 S	179.6 E	117	14	16	RACAH
1901	FWD	1906	17.6 S	178.9 E	117	14	16	RACAH
1903	FWD	1908	17.5 S	178.1 E	118	14	17	RACAH, W WALL, BERGSTRAND, E RIM
1905	FWD	1910	17.5 S	177.4 E	118	14	17	BERGSTRAND, E HALF
1907	FWD	1912	17.4 S	176.7 E	118	14	18	BERGSTRAND
1909	FWD	1914	17.3 S	176.0 E	118	14	19	BERGSTRAND
1911	FWD	1916	17.0 S	175.3 E	118	14	20	AITKEN, E WALL
1913	FWD	1918	16.7 S	174.6 E	118	14	20	AITKEN
1915	FWD	1920	16.6 S	173.8 E	119	14	21	AITKEN
1917	FWD	1922	16.4 S	173.2 E	119	14	22	AITKEN
1919	FWD	1924	16.2 S	172.3 E	119	14	23	AITKEN
1921	FWD	1926	16.2 S	171.4 E	119	14	24	AITKEN, W WALL
1923	FWD	1928	16.0 S	170.9 E	119	14	24	AITKEN, W WALL
1925	FWD	1930	15.7 S	170.1 E	120	14	25	AITKEN, W OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 160 TO 170 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1698	FWD	1703	12.8 S	169.9 E	97	2	36	HEAVISIDE, E OF
1700	FWD	1705	12.6 S	169.4 E	96	2	37	HEAVISIDE, E OF
1702	FWD	1707	12.4 S	168.9 E	96	2	38	HEAVISIDE, E RIM
1704	FWD	1709	12.3 S	168.4 E	96	2	38	HEAVISIDE
1706	FWD	1711	12.2 S	167.7 E	96	2	39	HEAVISIDE
1708	FWD	1713	12.0 S	167.0 E	96	2	39	HEAVISIDE
1710	FWD	1715	11.8 S	166.4 E	95	2	40	HEAVISIDE
1712	FWD	1717	11.6 S	165.8 E	95	2	41	HEAVISIDE
1714	FWD	1719	11.5 S	165.2 E	95	2	41	HEAVISIDE
1716	FWD	1721	11.3 S	164.6 E	95	2	42	HEAVISIDE, W WALL
1718	FWD	1723	11.2 S	164.1 E	95	2	42	HEAVISIDE, KEELER, STRATTON
1720	FWD	1725	11.0 S	163.5 E	95	2	43	KEELER
1722	FWD	1727	10.8 S	162.9 E	95	2	44	KEELER
1724	FWD	1729	10.7 S	162.3 E	95	2	44	KEELER
1726	FWD	1731	10.5 S	161.7 E	94	2	45	KEELER
1728	FWD	1733	10.3 S	161.1 E	94	2	45	KEELER
1730	FWD	1735	10.1 S	160.5 E	94	2	46	KEELER, GEIGER
1927	FWD	1932	15.7 S	169.6 E	120	14	25	AITKEN, W OF
1929	FWD	1934	15.6 S	168.5 E	120	14	26	HEAVISIDE, E RIM
1931	FWD	1936	15.2 S	167.6 E	120	14	27	HEAVISIDE, E WALL
1933	FWD	1938	15.1 S	166.8 E	120	14	28	HEAVISIDE
1935	FWD	1940	14.8 S	166.2 E	120	14	29	HEAVISIDE
1937	FWD	1942	14.8 S	165.4 E	121	14	29	HEAVISIDE
1939	FWD	1944	14.7 S	164.5 E	121	14	30	HEAVISIDE, W WALL
1941	FWD	1946	14.3 S	163.6 E	121	14	31	HEAVISIDE, W RIM, KEELER, E RIM
1943	FWD	1948	13.9 S	163.0 E	121	14	32	HEAVISIDE, W RIM, KEELER, E WALL
1945	FWD	1950	13.9 S	162.2 E	121	14	32	KEELER, E WALL
1947	FWD	1952	13.7 S	161.7 E	121	14	33	KEELER
1949	FWD	1954	13.3 S	160.8 E	122	14	34	KEELER
1951	FWD	1956	13.0 S	160.1 E	122	14	35	KEELER

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 150 TO 160 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1732	FWD	1737	9.9 S	160.0 E	94	2	47	KEELER, GEIGER
1734	FWD	1739	9.7 S	159.4 E	94	2	47	KEELER, W RIM
1736	FWD	1741	9.5 S	158.8 E	94	2	48	KEELER, W RIM
1738	FWD	1743	9.3 S	158.2 E	94	2	48	KEELER, W OF, VENTRIS
1740	FWD	1745	9.1 S	157.6 E	94	2	49	VENTRIS
1742	FWD	1747	8.9 S	157.0 E	94	2	50	VENTRIS
1744	FWD	1749	8.7 S	156.4 E	94	2	50	VENTRIS
1746	FWD	1751	8.4 S	155.8 E	94	2	51	VENTRIS
1748	FWD	1753	8.2 S	155.2 E	94	2	51	VENTRIS, W RIM
1750	FWD	1755	8.0 S	154.6 E	94	2	52	VENTRIS, W OF
1752	FWD	1757	7.8 S	154.0 E	94	2	53	CHAPLYGIN, E OF
1754	FWD	1759	7.6 S	153.3 E	94	2	53	CHAPLYGIN, E OF
1756	FWD	1761	7.4 S	152.8 E	94	2	54	CHAPLYGIN, E OF
1758	FWD	1763	7.2 S	152.3 E	95	2	54	CHAPLYGIN, E RIM
1760	FWD	1765	7.1 S	151.7 E	95	2	55	CHAPLYGIN
1762	FWD	1767	6.9 S	151.0 E	95	2	56	CHAPLYGIN
1764	FWD	1769	6.8 S	150.4 E	95	2	56	CHAPLYGIN
1953	FWD	1958	12.8 S	159.5 E	122	14	35	KEELER, GEIGER, E WALL
1955	FWD	1960	12.7 S	158.5 E	122	14	36	KEELER, W WALL, GEIGER
1957	FWD	1962	12.6 S	157.8 E	122	14	37	KEELER, W OF, GEIGER, W RIM
1959	FWD	1964	12.4 S	157.1 E	122	14	38	KEELER, W OF
1961	FWD	1966	12.3 S	156.2 E	122	14	39	BEIJERINCK, E OF
1963	FWD	1968	12.1 S	155.6 E	123	14	39	BEIJERINCK, E OF
1965	FWD	1970	11.8 S	154.9 E	123	14	40	BEIJERINCK, E OF, GAGARIN, N RIM
1967	FWD	1972	11.7 S	154.2 E	123	14	41	BEIJERINCK, E OF, GAGARIN, N RIM
1969	FWD	1974	11.5 S	153.4 E	123	14	41	BEIJERINCK, E WALL, GAGARIN, N WALL
1971	FWD	1976	11.2 S	152.6 E	123	14	42	BEIJERINCK, GAGARIN, N WALL
1973	FWD	1978	11.0 S	151.9 E	123	14	43	BEIJERINCK, GAGARIN, N WALL
1975	FWD	1980	10.8 S	151.1 E	123	14	44	BEIJERINCK, W WALL, CHAPLYGIN, E RIM
1977	FWD	1982	10.6 S	150.6 E	124	14	44	CHAPLYGIN, E WALL
2365	FWD	2370	14.9 S	152.9 E	124	28	28	GAGARIN, BEIJERINCK, E WALL
2366	AFT		15.3 S	154.4 E	124	28	26	GAGARIN
2367	FWD	2372	14.7 S	152.3 E	124	28	28	GAGARIN, BEIJERINCK
2368	AFT		15.1 S	153.8 E	124	28	27	GAGARIN
2369	FWD	2374	14.5 S	151.7 E	124	28	29	GAGARIN, BEIJERINCK
2371	FWD	2376	14.4 S	151.1 E	124	28	30	GAGARIN, BEIJERINCK
2373	FWD	2378	14.2 S	150.4 E	124	28	30	GAGARIN, BEIJERINCK, W WALL

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 140 TO 150 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1766	FWD	1771	6.6 S	149.8 E	95	2	57	CHAPLYGIN
1768	FWD	1773	6.4 S	149.3 E	95	2	57	CHAPLYGIN
1770	FWD	1775	6.2 S	148.7 E	95	2	58	CHAPLYGIN
1772	FWD	1777	6.1 S	148.1 E	96	2	59	CHAPLYGIN, W WALL
1774	FWD	1779	5.9 S	147.5 E	96	2	59	CHAPLYGIN, W RIM, MARCONI
1776	FWD	1781	5.7 S	146.9 E	96	2	60	CHAPLYGIN, W OF, MARCONI
1778	FWD	1783	5.4 S	146.4 E	96	2	60	MARCONI, VIL'EV, E OF
1780	FWD	1785	5.2 S	145.8 E	96	2	61	MARCONI, VIL'EV, E OF
1782	FWD	1787	4.9 S	145.2 E	97	2	62	VIL'EV
1784	FWD	1789	4.7 S	144.7 E	97	2	62	VIL'EV
1786	FWD		4.6 S	144.2 E	97	2	63	VIL'EV
1788	FWD		4.4 S	143.6 E	97	2	63	VIL'EV, W RIM
1790	FWD		4.2 S	143.0 E	98	2	64	DELLINGER, E RIM
1979	FWD	1984	10.3 S	149.8 E	124	14	45	CHAPLYGIN
1981	FWD	1986	10.1 S	149.2 E	124	14	46	CHAPLYGIN
1983	FWD	1988	9.9 S	148.3 E	124	14	46	CHAPLYGIN
1985	FWD	1990	9.6 S	147.6 E	124	14	47	CHAPLYGIN
1987	FWD	1992	9.5 S	147.2 E	124	14	48	CHAPLYGIN, W RIM
1989	FWD	1994	9.2 S	146.3 E	124	14	49	MARCONI, E WALL
1991	FWD	1996	8.9 S	145.6 E	124	14	49	MARCONI
1993	FWD	1998	8.6 S	144.7 E	124	14	50	MARCONI
1995	FWD	2000	8.5 S	144.1 E	125	14	51	MARCONI, W WALL, VIL'EV
1997	FWD	2002	8.2 S	143.4 E	125	14	51	VIL'EV
1999	FWD	2004	8.1 S	142.6 E	125	14	52	VIL'EV, W RIM
2001	FWD	2006	7.9 S	141.8 E	125	14	53	DELLINGER, E RIM
2003	FWD	2008	7.6 S	141.1 E	125	14	54	DELLINGER
2005	FWD	2010	7.4 S	140.4 E	125	14	54	DELLINGER
2375	FWD	2380	14.1 S	149.7 E	124	28	31	GAGARIN
2377	FWD	2382	13.9 S	149.1 E	124	28	31	GAGARIN
2379	FWD	2384	13.8 S	148.5 E	124	28	32	GAGARIN
2381	FWD	2386	13.6 S	147.9 E	124	28	33	GAGARIN, W WALL
2383	FWD	2388	13.4 S	147.3 E	124	28	33	GAGARIN, W RIM
2385	FWD	2390	13.2 S	146.7 E	125	28	34	MARCONI, E OF
2387	FWD	2392	13.0 S	146.0 E	125	28	35	MARCONI, E OF
2389	FWD	2394	12.8 S	145.4 E	125	28	35	MARCONI, E WALL
2391	FWD	2396	12.6 S	144.8 E	125	28	36	MARCONI, DENNING, E WALL
2393	FWD	2398	12.4 S	144.1 E	125	28	37	MARCONI, DENNING
2395	FWD	2400	12.2 S	143.4 E	125	28	37	MARCONI, W WALL, DENNING
2397	FWD	2402	12.1 S	142.7 E	125	28	38	MARCONI, W RIM, DENNING, E RIM
2399	FWD	2404	12.0 S	142.1 E	125	28	38	DENNING, E OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 140 TO 150 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2401	FWD	2406	11.9 S	141.5 E	125	28	39	MARCONI, W OF
2403	FWD	2408	11.7 S	140.9 E	125	28	40	DELLINGER, E WALL
2405	FWD	2410	11.4 S	140.3 E	125	28	40	DELLINGER

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 130 TO 140 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2007	FWD	2012	7.1 S	139.6 E	125	14	55	DELLINGER, PANNEKOEK
2009	FWD	2014	6.9 S	139.0 E	125	14	56	PANNEKOEK, CHAUVENET
2011	FWD	2016	6.6 S	138.3 E	125	14	57	PANNEKOEK, W WALL, CHAUVENET
2013	FWD	2018	6.3 S	137.6 E	125	14	57	CHAUVENET, W WALL
2015	FWD	2020	6.1 S	136.9 E	126	14	58	TEN BRUGGENCATE, GLASENAP
2017	FWD	2022	5.9 S	136.2 E	126	14	59	TEN BRUGGENCATE, GLASENAP
2019	FWD	2024	5.7 S	135.5 E	126	14	60	TEN BRUGGENCATE, GLASENAP
2021	FWD	2026	5.4 S	134.9 E	126	14	60	TEN BRUGGENCATE, W WALL, LANE, E WALL
2023	FWD	2028	5.0 S	134.1 E	126	14	61	LANE, PRAGER, E OF
2025	FWD	2030	4.8 S	133.2 E	126	14	62	LANE, PRAGER, E OF
2027	FWD	2032	4.5 S	132.6 E	126	14	62	LANE, PRAGER, E OF
2029	FWD	2034	4.3 S	132.0 E	126	14	63	PRAGER, E RIM
2031	FWD	2036	4.0 S	131.1 E	126	14	64	PRAGER
2033	FWD	2038	3.7 S	130.4 E	126	14	65	PRAGER
2407	FWD	2412	11.3 S	139.6 E	125	28	41	DELLINGER
2409	FWD	2414	11.1 S	139.0 E	126	28	42	DELLINGER, CHAUVENET, E RIM
2411	FWD	2416	10.9 S	138.4 E	126	28	42	DELLINGER, W WALL, CHAUVENET
2413	FWD	2418	10.8 S	137.8 E	126	28	43	CHAUVENET
2415	FWD	2420	10.6 S	137.2 E	126	28	43	CHAUVENET
2417	FWD	2422	10.4 S	136.6 E	126	28	44	CHAUVENET
2419	FWD	2424	10.2 S	135.9 E	126	28	45	CHAUVENET, W RIM
2421	FWD	2426	10.0 S	135.2 E	126	28	45	TEN BRUGGENCATE, E WALL
2423	FWD	2428	9.8 S	134.5 E	126	28	46	TEN BRUGGENCATE
2425	FWD	2430	9.5 S	134.0 E	126	28	47	TEN BRUGGENCATE
2427	FWD	2432	9.3 S	133.3 E	126	28	47	LANE, E WALL
2429	FWD	2434	9.1 S	132.7 E	126	28	48	LANE
2431	FWD	2436	8.9 S	132.1 E	126	28	49	LANE
2433	FWD	2438	8.7 S	131.5 E	126	28	49	LANE, W WALL
2435	FWD	2440	8.5 S	130.8 E	126	28	50	LANE, W OF
2437	FWD	2442	8.3 S	130.3 E	126	28	50	PERREPELKIN, E WALL
2770	AFT	ORL	13.4 S	130.7 E	114	42	16	TSIOLKOVSKY, TILT 07, AZ 253
2772	AFT	ORL	13.3 S	130.1 E	114	42	16	TSIOLKOVSKY, TILT 07, AZ 254

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 120 TO 130 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1791	FWD	1796	4.2 N	121.0 E	115	2	84	KING
1792	AFT		3.9 N	122.2 E	115	2	83	KING, E OF
1793	FWD	1798	4.3 N	120.5 E	116	2	84	KING
1794	AFT		4.1 N	121.6 E	116	2	84	KING, E RIM
2035	FWD	2040	3.3 S	129.9 E	126	14	65	PRAGER, LOVE
2037	FWD	2042	3.1 S	129.3 E	126	14	66	LOVE
2039	FWD	2044	2.9 S	128.7 E	126	14	67	LOVE, W RIM
2041	FWD	2046	2.7 S	127.6 E	126	14	68	BECVAR, E OF
2043	FWD	2048	2.4 S	126.9 E	127	14	68	BECVAR, E OF
2045	FWD	2050	2.1 S	126.1 E	127	14	69	BECVAR, E WALL
2047	FWD	2052	1.8 S	125.3 E	127	14	70	BECVAR
2049	FWD	2054	1.6 S	124.7 E	127	14	70	BECVAR
2051	FWD	2056	1.3 S	124.1 E	127	14	71	BECVAR, W WALL
2053	FWD	2058	1.1 S	123.4 E	127	14	72	BECVAR, W OF
2055	FWD	2060	.9 S	122.4 E	127	14	73	BECVAR, W OF
2057	FWD	2062	.6 S	121.7 E	127	14	73	BECVAR, W OF
2059	FWD	2064	.3 S	121.1 E	127	14	74	BECVAR, W OF
2061	FWD	2066	.0	120.5 E	127	14	75	KING, E RIM
2439	FWD	2444	8.0 S	129.6 E	126	28	51	PFEIFFELKIN, PRAGER
2441	FWD	2446	7.9 S	128.9 E	126	28	52	PFEIFFELKIN, PRAGER, LOVE
2443	FWD	2448	7.7 S	128.4 E	126	28	52	PFEIFFELKIN, W WALL, LOVE
2445	FWD	2450	7.4 S	127.9 E	126	28	53	PFEIFFELKIN, W RIM, LOVE
2447	FWD	2452	7.1 S	127.0 E	127	28	54	LOVE, W RIM
2449	FWD	2454	7.0 S	126.7 E	127	28	54	LOVE, W OF, DANJON, E RIM
2451	FWD	2456	6.9 S	126.1 E	127	28	55	DANJON, E WALL
2453	FWD	2458	6.8 S	125.4 E	127	28	55	DANJON, BECVAR, E OF
2455	FWD	2460	6.6 S	124.8 E	127	28	56	DANJON, BECVAR, E WALL
2457	FWD	2462	6.4 S	124.2 E	127	28	57	DANJON, W WALL, BECVAR
2459	FWD	2464	6.1 S	123.6 E	127	28	57	DANJON, W RIM, BECVAR
2461	FWD	2466	6.0 S	123.0 E	127	28	58	BECVAR
2463	FWD	2468	5.7 S	122.4 E	127	28	58	BECVAR, W RIM
2465	FWD	2470	5.4 S	121.9 E	127	28	59	LANGEMAK
2467	FWD	2472	5.3 S	121.3 E	127	28	60	LANGEMAK
2469	FWD	2474	5.1 S	120.7 E	127	28	60	LANGEMAK
2769	FWD	ORI	18.0 S	129.2 E	114	62	17	TSIOLKOVSKY, TILT 32, AZ 283
2771	FWD	ORI	17.9 S	128.5 E	114	62	18	TSIOLKOVSKY, TILT 33, AZ 284
2773	FWD	ORI	17.7 S	127.8 E	114	62	19	TSIOLKOVSKY, TILT 34, AZ 284
2774	AFT	ORI	18.1 S	129.5 E	114	62	17	TSIOLKOVSKY, TILT 29, AZ 284
2775	FWD	ORI	17.5 S	127.1 E	114	62	17	TSIOLKOVSKY, TILT 34, AZ 284
2776	AFT	ORI	17.9 S	128.7 E	114	62	18	TSIOLKOVSKY, TILT 29, AZ 284

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 120 TO 130 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2777	FWD	OBL	17.2 S	126.5 E	114	62	20	TSIOLKOVSKY, W WALL, TILT 35, AZ 284
2778	AFT	OBL	17.7 S	128.1 E	114	62	18	TSIOLKOVSKY, TILT 10, AZ 284
2779	FWD	OBL	17.1 S	125.7 E	114	62	21	FERMI, TILT 35, AZ 284
2780	AFT	OBL	17.5 S	127.3 E	114	62	19	TSIOLKOVSKY, TILT 11, AZ 284
2781	FWD	OBL	16.9 S	124.8 E	114	62	21	FERMI, TILT 36, AZ 285
2782	AFT	OBL	17.2 S	126.6 E	114	62	20	TSIOLKOVSKY, TILT 11; AZ 285
2783	FWD	OBL	16.7 S	124.1 E	114	62	22	FERMI, TILT 37, AZ 285
2784	AFT	OBL	17.1 S	126.0 E	114	62	20	TSIOLKOVSKY, W RIM, TILT 12, AZ 285
2785	FWD	OBL	16.5 S	123.5 E	114	62	23	FERMI, TILT 37, AZ 285
2786	AFT	OBL	17.0 S	125.2 E	114	62	21	FERMI, TILT 13, AZ 285
2787	FWD	OBL	16.3 S	122.7 E	114	62	23	FERMI, TILT 38, AZ 285
2788	AFT	OBL	16.8 S	124.4 E	114	62	22	FERMI, TILT 13, AZ 285
2789	FWD	OBL	16.1 S	122.0 E	114	62	24	FERMI, TILT 39, AZ 285
2790	AFT	OBL	16.6 S	123.8 E	114	62	22	FERMI, TILT 14, AZ 285
2791	FWD	OBL	15.8 S	121.2 E	114	62	25	FERMI, TILT 39, AZ 285
2792	AFT	OBL	16.4 S	123.1 E	114	62	23	FERMI, TILT 14, AZ 285
2793	FWD	OBL	15.7 S	120.6 E	114	62	26	FERMI, W RIM, TILT 40, AZ 286
2794	AFT	OBL	16.2 S	122.5 E	114	62	24	FERMI, TILT 15, AZ 286
2795	FWD	OBL	15.5 S	120.1 E	114	62	26	FERMI, W RIM, TILT 40, AZ 286
2796	AFT	OBL	16.1 S	121.8 E	114	62	24	FERMI, TILT 16, AZ 286
2798	AFT	OBL	15.7 S	121.1 E	114	62	25	FERMI, TILT 16, AZ 287
2800	AFT	OBL	15.6 S	120.4 E	114	62	26	FERMI, TILT 17, AZ 287

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 110 TO 120 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1795	FWD	1800	4.7 N	120.0 E	116	2	84	KING
1797	FWD	1802	5.2 N	119.3 E	117	2	84	KING, W WALL
1799	FWD	1804	5.6 N	118.8 E	118	2	84	ABUL WAFA
1801	FWD	1806	5.9 N	118.1 E	119	2	84	ABUL WAFA
1803	FWD	1808	5.9 N	117.4 E	119	2	84	ABUL WAFA
1805	FWD	1810	6.1 N	116.7 E	120	2	84	ABUL WAFA, W RIM, GUYOT, E WALL
1807	FWD	1812	6.2 N	116.1 E	121	2	84	GUYOT
1809	FWD	1814	6.4 N	115.5 E	122	2	83	GUYOT
1811	FWD	1816	6.7 N	115.0 E	122	2	83	GUYOT
1813	FWD	1818	6.9 N	114.4 E	123	2	82	GUYOT
1815	FWD	1820	6.2 N	113.6 E	124	2	82	FIRSOV, LOBACHEVSKY, E RIM
1817	FWD	1822	6.5 N	112.8 E	125	2	82	FIRSOV, LOBACHEVSKY
1819	FWD	1824	6.6 N	112.1 E	125	2	81	FIRSOV, W WALL, LOBACHEVSKY
1821	FWD	1826	6.8 N	111.6 E	126	2	80	LOBACHEVSKY
1823	FWD	1828	7.1 N	110.9 E	127	2	80	LOBACHEVSKY
1825	FWD	1830	7.3 N	110.4 E	128	2	79	LOBACHEVSKY, W RIM
2063	FWD	2068	.4 N	119.8 E	127	14	75	KING, E WALL
2065	FWD	2070	.6 N	119.0 E	127	14	76	KING
2067	FWD	2072	.9 N	118.4 E	127	14	77	KING
2069	FWD	2074	1.3 N	117.5 E	127	14	78	KING, ABUL WAFA, E RIM
2071	FWD	2076	1.6 N	116.9 E	127	14	78	ABUL WAFA
2073	FWD	2078	1.8 N	116.0 E	127	14	79	ABUL WAFA
2075	FWD	2080	2.0 N	115.4 E	127	14	80	BUISSON, E WALL
2077	FWD	2082	2.1 N	114.7 E	127	14	80	BUISSON
2079	FWD	2084	2.3 N	114.1 E	127	14	81	BUISSON
2081	FWD	2086	2.5 N	113.3 E	127	14	81	BUISSON
2083	FWD	2088	2.6 N	112.7 E	127	14	82	FIRSOV
2085	FWD	2090	2.8 N	112.0 E	127	14	82	FIRSOV
2087	FWD	2092	3.0 N	111.1 E	127	14	83	FIRSOV, W WALL
2089	FWD	2094	3.2 N	110.2 E	127	14	83	FIRSOV, W RF
2471	FWD	2476	5.0 S	120.0 E	127	28	61	LANGEMAK
2473	FWD	2478	4.6 S	119.6 E	127	28	62	LANGEMAK, W WALL
2475	FWD	2480	4.5 S	118.8 E	127	28	62	LANGEMAK, W RIM
2477	FWD	2482	4.2 S	118.4 E	127	28	63	LANGEMAK, W RF
2479	FWD	2484	3.7 S	117.8 E	127	28	64	LANGEMAK, W RF
2481	FWD	2486	3.5 S	117.0 E	127	28	64	VEGA INT, E RF
2483	FWD	2488	3.2 S	116.4 E	127	28	65	VEGA INT, E RF
2485	FWD	2490	3.2 S	115.9 E	127	28	65	VEGA INT, E RIM, ABUL WAFA, E WALL
2487	FWD	2492	3.0 S	115.3 E	127	28	66	VEGA INT, ABUL WAFA
2489	FWD	2494	2.8 S	114.7 E	127	28	67	VEGA INT, ABUL WAFA

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 110 TO 120 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2491	FWD	2496	2.7 S	114.1 E	127	28	67	VESALIUS, ABUL WAFA, W WALL
2493	FWD	2498	2.6 S	113.5 E	127	28	68	VESALIUS, W WALL, BUISSON, E WALL
2495	FWD	2500	2.4 S	112.9 E	127	28	69	BUISSON
2497	FWD	2502	2.2 S	112.3 E	127	28	69	BUISSON, EINTHOVEN, E RIM
2499	FWD	2504	2.0 S	111.7 E	127	28	70	BUISSON, EINTHOVEN, FIRSOV
2501	FWD	2506	1.8 S	111.3 E	127	28	70	EINTHOVEN, FIRSOV
2503	FWD	2508	1.6 S	110.7 E	127	28	71	EINTHOVEN, FIRSOV, S WALL
2505	FWD	2510	1.5 S	110.2 E	127	28	71	EINTHOVEN, W RIM, FIRSOV, S WALL
2797	FWD	OBL	15.2 S	119.3 E	114	62	27	LANGEMAK, TILT 41, AZ 287
2799	FWD	OBL	14.9 S	118.6 E	114	62	28	LANGEMAK, TILT 41, AZ 287
2801	FWD	OBL	14.8 S	117.9 E	114	62	28	LANGEMAK, TILT 42, AZ 288
2802	AFT	OBL	15.3 S	119.8 E	114	62	26	FERMI, W RIM, TILT 17, AZ 288
2803	FWD	OBL	14.4 S	117.1 E	114	62	29	LANGEMAK, TILT 43, AZ 288
2804	AFT	OBL	15.1 S	119.1 E	114	62	27	LANGEMAK, TILT 18, AZ 288
2805	FWD	OBL	14.2 S	116.5 E	114	62	30	KONDRATYUK, TILT 43, AZ 288
2806	AFT	OBL	14.8 S	118.4 E	114	62	28	LANGEMAK, TILT 19, AZ 288
2807	FWD	OBL	14.0 S	115.8 E	114	62	31	KONDRATYUK, TILT 44, AZ 288
2808	AFT	OBL	14.7 S	117.8 E	114	62	28	LANGEMAK, TILT 19, AZ 288
2809	FWD	OBL	13.9 S	114.9 E	114	62	31	KONDRATYUK, TILT 44, AZ 288
2810	AFT	OBL	14.5 S	117.0 E	114	62	29	KONDRATYUK, TILT 20, AZ 288
2811	FWD	OBL	13.7 S	114.3 E	114	62	32	KONDRATYUK, W RIM, TILT 45, AZ 288
2812	AFT	OBL	14.2 S	116.4 E	114	62	30	KONDRATYUK, TILT 20, AZ 288
2813	FWD	OBL	13.3 S	113.5 E	114	62	33	MEITNER, TILT 46, AZ 288
2814	AFT	OBL	14.0 S	115.7 E	114	62	30	KONDRATYUK, TILT 21, AZ 288
2815	FWD	OBL	13.0 S	112.7 E	114	62	33	MEITNER, TILT 46, AZ 288
2816	AFT	OBL	13.9 S	115.0 E	114	62	31	KONDRATYUK, TILT 22, AZ 288
2817	FWD	OBL	12.8 S	112.1 E	114	62	34	MEITNER, TILT 47, AZ 289
2818	AFT	OBL	13.6 S	114.5 E	114	62	32	KONDRATYUK, W RIM, TILT 22, AZ 289
2819	FWD	OBL	12.5 S	111.3 E	114	62	35	MEITNER, TILT 48, AZ 289
2820	AFT	OBL	13.5 S	113.9 E	114	62	32	MEITNER, TILT 23, AZ 289
2821	FWD	OBL	12.4 S	110.9 E	114	62	36	MEITNER, TILT 48, AZ 289
2822	AFT	OBL	13.2 S	113.1 E	114	62	33	MEITNER, TILT 24, AZ 289
2824	AFT	OBL	12.9 S	112.3 E	114	62	34	MEITNER, TILT 24, AZ 289
2826	AFT	OBL	12.7 S	111.8 E	114	62	35	MEITNER, TILT 25, AZ 289
2828	AFT	OBL	12.4 S	111.0 E	114	62	35	MEITNER, TILT 25, AZ 289
2830	AFT	OBL	12.3 S	110.5 E	114	62	36	MEITNER, TILT 26, AZ 289
3152	VERT		1.3 S	114.2 E		TE		KING, PACIFIC, MESATAPE
3153	VERT		1.4 S	112.6 E		TE		KING, PACIFIC, MESATAPE
3154	VERT		.8 S	113.9 E		TE		KING, PACIFIC, MESATAPE
3155	VERT		.4 S	112.5 E		TE		KING, PACIFIC, MESATAPE

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 110 TO 120 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3156	VERT		.1 N	112.0 E		TE		KING, SAHA, ANSGARIUS
3157	VERT		.6 N	111.5 E		TE		KING, SAHA, ANSGARIUS
3158	VERT		1.2 N	111.2 E		TE		KING, SAHA, ANSGARIUS
3159	VERT		1.7 N	110.9 E		TE		KING, SAHA, ANSGARIUS
3160	VERT		2.0 N	110.2 E		TE		KING, SAHA, ANSGARIUS

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 100 TO 110 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
1827	FWD	1832	7.5 N	109.6 E	129	2	79	LOBACHEVSKY, W OF
1829	FWD	1834	7.6 N	109.0 E	130	2	78	LOBACHEVSKY, W OF
1831	FWD	1838	7.8 N	108.6 E	131	2	78	LOBACHEVSKY, W OF
1833	FWD	1840	8.0 N	108.1 E	131	2	77	LOBACHEVSKY, W OF
1835	FWD	1842	8.2 N	107.4 E	132	2	77	LOBACHEVSKY, W OF
1836	AFT		7.7 N	108.8 E	133	2	78	LOBACHEVSKY, W OF
1837	FWD	1844	8.5 N	106.7 E	133	2	76	MOISEEV, E OF
1839	FWD	1846	8.7 N	106.1 E	134	2	75	MOISEEV, E OF
1841	FWD	1848	8.9 N	105.3 E	135	2	75	MOISEEV, E OF, SAENGER, E WALL
1843	FWD	1850	9.1 N	104.8 E	136	2	74	MOISEEV, E OF, SAENGER
1845	FWD	1852	9.3 N	104.2 E	137	2	74	MOISEEV, SAENGER
1847	FWD	1854	9.5 N	103.5 E	138	2	73	MOISEEV, SAENGER, HERTZ
1849	FWD	1856	9.6 N	102.8 E	139	2	72	MOISEEV, SAENGER, HERTZ
1851	FWD	1858	9.8 N	102.3 E	140	2	72	MOISEEV, HERTZ
1853	FWD	1860	9.9 N	101.6 E	141	2	71	HERTZ, W RIM
1855	FWD	1862	10.0 N	101.1 E	142	2	71	ERRO, E WALL
1857	FWD	1864	10.3 N	100.6 E	142	2	70	ERRO, MOBIUS, E RIM
2091	FWD	2096	3.3 N	109.5 E	127	14	84	FIRSOV, W OF
2093	FWD	2098	3.7 N	108.8 E	127	14	84	FIRSOV, W OF
2095	FWD	2100	4.1 N	108.2 E	127	14	84	SAENGER, E OF
2097	FWD	2102	4.3 N	107.4 E	127	14	84	SAENGER, E OF
2099	FWD	2104	4.6 N	106.7 E	127	14	84	SAENGER, E OF
2101	FWD	2106	4.8 N	105.8 E	127	14	84	SAENGER, E OF
2103	FWD	2108	5.0 N	105.0 E	127	14	84	SAENGER, E OF
2105	FWD	2110	5.3 N	104.5 E	127	14	84	SAENGER, E WALL
2107	FWD	2112	5.2 N	103.8 E	127	14	83	SAENGER
2109	FWD	2114	5.4 N	103.1 E	127	14	83	SAENGER
2111	FWD	2116	5.9 N	102.3 E	127	14	82	SAENGER, MOISEEV
2113	FWD	2118	6.4 N	101.7 E	127	14	82	MOISEEV
2115	FWD	2120	6.6 N	100.9 E	127	14	81	MOISEEV, W RIM, ERRO, E OF
2117	FWD		6.8 N	100.1 E	127	14	81	ERRO, E WALL
2121	FWD	2126	6.5 N	100.3 E	124	15	82	ERRO, E RIM
2122	AFT		6.0 N	101.6 E	124	15	83	MOISEEV, SAENGER, W RIM
2124	AFT		6.8 N	100.9 E	124	15	82	MOISEEV, W RIM
2507	FWD	2512	1.3 S	109.7 E	127	28	72	EINTHOVEN, W OF, FIRSOV, E RIM
2509	FWD	2514	1.1 S	109.0 E	127	28	72	EINTHOVEN, W OF, FIRSOV, E OF
2511	FWD	2516	.8 S	108.2 E	127	28	73	EINTHOVEN, W OF
2513	FWD	2518	.6 S	107.6 E	126	28	74	EINTHOVEN, W OF
2515	FWD	2520	.3 S	107.1 E	124	28	74	SAHA, E OF
2517	FWD	2522	.1 S	106.5 E	124	28	75	SAHA, E OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 100 TO 110 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2519	FWD	2524	.1 N	105.8 E	126	28	76	SAHA, E OF
2521	FWD	2526	.3 N	105.4 E	126	28	76	SAHA, E WALL
2523	FWD	2528	.5 N	104.9 E	126	28	77	SAHA
2525	FWD	2530	.5 N	104.1 E	126	28	77	SAHA
2527	FWD	2532	.7 N	103.5 E	126	28	78	SAHA
2529	FWD	2534	1.0 N	103.0 E	126	28	78	SAHA, SAENGER, E WALL
2531	FWD	2536	1.4 N	102.3 E	126	28	79	SAHA, W RIM, SAENGER
2533	FWD	2538	1.6 N	101.6 E	126	28	79	SAENGER
2535	FWD	2540	1.8 N	101.0 E	126	28	80	SAENGER, WYLD, E RIM
2537	FWD	2542	2.0 N	100.5 E	126	28	80	WYLD, E WALL
2823	FWD	OBL	12.2 S	110.0 E	114	62	36	HILBERT, TILT 49, AZ 289
2825	FWD	OBL	11.9 S	109.4 E	114	62	37	HILBERT, TILT 50, AZ 289
2827	FWD	OBL	11.7 S	108.8 E	114	62	38	HILBERT, TILT 50, AZ 289
2829	FWD	OBL	11.2 S	107.7 E	114	62	39	PASTEUR, TILT 50, AZ 289
2831	FWD	OBL	11.1 S	107.1 E	114	62	39	PASTEUR, TILT 52, AZ 289
2832	AFT	OBL	12.1 S	109.8 E	114	62	37	HILBERT, TILT 27, AZ 289
2833	FWD	OBL	10.9 S	106.3 E	114	62	40	PASTEUR, TILT 52, AZ 290
2834	AFT	OBL	11.8 S	109.1 E	114	62	37	HILBERT, TILT 28, AZ 290
2835	FWD	OBL	10.5 S	105.2 E	114	62	41	PASTEUR, TILT 53, AZ 290
2836	AFT	OBL	11.7 S	108.5 E	113	62	38	HILBERT, TILT 28, AZ 290
2837	FWD	OBL	10.3 S	104.6 E	113	62	42	PASTEUR, TILT 54, AZ 290
2838	AFT	OBL	11.4 S	107.8 E	113	62	39	PASTEUR, TILT 29, AZ 290
2839	FWD	OBL	10.1 S	104.0 E	113	62	42	PASTEUR, TILT 54, AZ 290
2840	AFT	OBL	11.1 S	107.0 E	113	62	39	PASTEUR, TILT 30, AZ 290
2841	FWD	OBL	10.0 S	103.1 E	113	62	43	PASTEUR, TILT 55, AZ 290
2842	AFT	OBL	10.9 S	106.4 E	113	62	40	PASTEUR, TILT 30, AZ 290
2843	FWD	OBL	9.5 S	102.4 E	113	62	44	PASTEUR, W WALL, TILT 56, AZ 290
2844	AFT	OBL	10.6 S	105.6 E	113	62	41	PASTEUR, TILT 31, AZ 290
2845	FWD	OBL	9.2 S	101.9 E	113	62	45	PASTEUR, W WALL, TILT 56, AZ 290
2846	AFT	OBL	10.4 S	105.0 E	113	62	41	PASTEUR, TILT 32, AZ 290
2847	FWD	OBL	8.8 S	101.2 E	113	62	46	PASTEUR, W OF, TILT 57, AZ 290
2848	AFT	OBL	10.2 S	104.3 E	113	62	42	PASTEUR, TILT 32, AZ 290
2849	FWD	OBL	8.6 S	100.4 E	113	62	46	PASTEUR, W OF, TILT 57, AZ 291
2850	AFT	OBL	10.0 S	103.8 E	113	62	43	PASTEUR, TILT 33, AZ 291
2852	AFT	OBL	9.6 S	102.9 E	113	62	43	PASTEUR, TILT 33, AZ 291
2854	AFT	OBL	9.3 S	102.2 E	113	62	44	PASTEUR, W WALL, TILT 34, AZ 291
2856	AFT	OBL	9.1 S	101.7 E	113	62	45	PASTEUR, W WALL, TILT 34, AZ 291
2858	AFT	OBL	8.9 S	101.2 E	113	62	45	PASTEUR, W OF, TILT 35, AZ 291
2860	AFT	OBL	8.7 S	100.5 E	113	62	46	PASTEUR, W OF, TILT 36, AZ 291
3161	VERT		2.1 N	109.6 E		TE		KING, SMYTH'S SEA, LANGRENUS

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 100 TO 110 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT Km.	REV NO.	SUN EL.	DESCRIPTION
3162	VERT		2.7 N	109.0 E		TE		LOBACHEVSKY, SMYTH'S SEA, LANGRENUS
3163	VERT		3.0 N	108.3 E		TE		LOBACHEVSKY, SMYTH'S SEA, LANGRENUS
3164	VERT		3.3 N	107.7 E		TE		GUYOT, SMYTH'S SEA, LANGRENUS
3165	VERT		3.8 N	107.9 E		TE		GUYOT, SMYTH'S SEA, LANGRENUS
3166	VERT		4.2 N	106.7 E		TE		FLEMING, SMYTH'S SEA, LANGRENUS
3167	VERT		4.6 N	106.4 E		TE		FLEMING, SMYTH'S SEA, LANGRENUS
3168	VERT		4.9 N	106.1 E		TE		FLEMING, SMYTH'S SEA, LANGRENUS

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 93 TO 100 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL	DESCRIPTION
1859	FWD	1866	10.4 N	99.9 E	143	2	69	ERRO, MOBIUS
1861	FWD	1868	10.7 N	99.1 E	144	2	69	ERRO, MOBIUS
1863	FWD	1870	10.9 N	98.5 E	145	2	68	MOBIUS, W WALL, DREYER
1865	FWD	1872	11.0 N	97.6 E	146	2	67	DREYER
1867	FWD	1874	11.2 N	97.0 E	147	2	67	DREYER
1869	FWD	1876	11.3 N	96.4 E	148	2	66	DREYER
1871	FWD	1878	11.4 N	96.0 E	149	2	66	GINZEL
1873	FWD	1880	11.5 N	95.4 E	150	2	65	GINZEL
1875	FWD		11.8 N	94.8 E	151	2	65	GINZEL, W OF
1877	FWD		12.0 N	94.1 E	152	2	64	GINZEL, W OF
1879	FWD		12.1 N	93.6 E	153	2	64	GINZEL, W OF
2119	FWD		7.1 N	99.4 E	127	14	80	ERRO
2123	FWD	2128	6.7 N	99.6 E	126	15	81	ERRO, E RIM
2125	FWD	2130	7.0 N	98.8 E	126	15	80	ERRO
2127	FWD	2132	7.3 N	98.1 E	126	15	80	ERRO, W RIM
2129	FWD	2134	7.6 N	97.5 E	126	15	79	BABCOCK, E OF, DREYER, E RIM
2131	FWD	2136	7.7 N	96.8 E	126	15	78	BABCOCK, E WALL, DREYER
2133	FWD	2138	7.9 N	95.8 E	126	15	78	BABCOCK, DREYER
2135	FWD	2140	8.2 N	95.1 E	126	15	77	BABCOCK
2137	FWD	2142	8.4 N	94.3 E	126	15	76	BABCOCK, W WALL
2139	FWD	2144	8.8 N	93.7 E	126	15	76	BABCOCK, W RIM
2141	FWD	2146	8.8 N	93.0 E	126	15	75	JANSKY, E OF
2143	FWD	2148	9.1 N	92.3 E	126	15	74	JANSKY, E OF
2145	FWD	2150	9.4 N	91.5 E	126	15	74	JANSKY, E RIM
2147	FWD	2152	9.5 N	90.8 E	125	15	73	JANSKY, IBN YUNUS
2149	FWD	2154	9.9 N	90.1 E	125	15	72	JANSKY, IBN YUNUS, BORDER SEA
2539	FWD	2544	2.3 N	99.9 E	126	28	81	WYLD
2541	FWD	2546	2.6 N	99.2 E	126	28	81	WYLD
2543	FWD	2548	2.9 N	98.7 E	126	28	82	WYLD, ERRO, E RIM
2545	FWD	2550	3.2 N	98.1 E	126	28	82	WYLD, W WALL, ERRO
2547	FWD	2552	3.3 N	97.4 E	126	28	83	ERRO, PURKYNE, E WALL
2549	FWD	2554	3.3 N	96.8 E	126	28	83	ERRO, PURKYNE
2551	FWD	2556	3.5 N	96.2 E	125	28	83	PURKYNE, W WALL
2553	FWD	2558	3.7 N	95.6 E	125	28	84	PURKYNE, BABCOCK, E RIM
2555	FWD	2560	3.9 N	95.0 E	125	28	84	BABCOCK, DREYER
2557	FWD	2562	4.1 N	94.4 E	125	28	84	BABCOCK, DREYER
2559	FWD	2564	4.2 N	93.9 E	125	28	84	BABCOCK, DREYER
2561	FWD	2566	4.5 N	93.3 E	125	28	84	BABCOCK, SMYTH'S SEA
2563	FWD	2568	4.7 N	92.7 E	125	28	84	BABCOCK, W RIM, SMYTH'S SEA
2565	FWD	2570	5.1 N	92.1 E	125	28	84	JANSKY, E OF, SMYTH'S SEA

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 90 TO 100 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2567	FWD	2572	5.2 N	91.6 E	125	28	84	JANSKY, E OF, SMYTH'S SEA
2569	FWD	2574	5.5 N	91.0 E	125	28	84	JANSKY, E OF, SMYTH'S SEA
2571	FWD	2576	5.7 N	90.3 E	125	28	84	JANSKY, E OF, SMYTH'S SEA, BORDER SEA
2851	FWD	OBL	8.2 S	99.7 E	113	62	47	GANSKY, TILT 58, AZ 291
2853	FWD	OBL	7.8 S	98.9 E	113	62	48	GANSKY, TILT 58, AZ 291
2855	FWD	OBL	7.5 S	98.3 E	113	62	49	GANSKY, TILT 59, AZ 291
2857	FWD	OBL	7.1 S	97.3 E	113	62	49	HIRAYAMA, E WALL, TILT 60, AZ 291
2859	FWD	OBL	6.8 S	96.6 E	113	62	50	GANSKY, W OF, TILT 60, AZ 291
2861	FWD	OBL	6.4 S	95.4 E	113	62	51	HIRAYAMA, E WALL, TILT 61, AZ 291
2862	AFT	OBL	8.4 S	99.8 E	113	62	47	GANSKY, E OF, TILT 36, AZ 291
2863	FWD	OBL	6.1 S	94.3 E	113	62	52	HIRAYAMA, TILT 62, AZ 292
2864	AFT	OBL	8.0 S	99.2 E	113	62	48	GANSKY, TILT 37, AZ 292
2865	FWD	OBL	5.5 S	93.5 E	113	62	53	HIRAYAMA, TILT 63, AZ 292
2866	AFT	OBL	7.7 S	98.5 E	113	62	48	GANSKY, TILT 38, AZ 292
2867	FWD	OBL	5.3 S	92.5 E	113	62	54	HIRAYAMA, TILT 63, AZ 292
2868	AFT	OBL	7.4 S	97.9 E	113	62	49	GANSKY, TILT 39, AZ 292
2869	FWD	OBL	4.9 S	91.4 E	113	62	55	HIRAYAMA, TILT 64, AZ 292
2870	AFT	OBL	7.1 S	97.2 E	113	62	50	GANSKY, TILT 39, AZ 292
2871	FWD	OBL	4.3 S	90.2 E	113	62	56	HIRAYAMA, W WALL, TILT 65, AZ 292
2872	AFT	OBL	6.8 S	96.6 E	113	62	50	GANSKY, W OF, TILT 40, AZ 292
2874	AFT	OBL	6.6 S	95.9 E	113	62	51	HIRAYAMA, E WALL, TILT 38, AZ 292
2875	FWD	OBL	4.4 S	90.7 E	113	62	56	HIRAYAMA, W WALL, TILT 62, AZ 292
2876	AFT	OBL	6.4 S	95.5 E	113	62	51	HIRAYAMA, E WALL, TILT 36, AZ 292
2877	FWD	OBL	4.6 S	91.0 E	113	62	56	HIRAYAMA, W WALL, TILT 60, AZ 292
2878	AFT	OBL	6.2 S	95.2 E	113	62	52	HIRAYAMA, TILT 34, AZ 292
2879	FWD	OBL	4.7 S	91.1 E	113	62	56	HIRAYAMA, W WALL, TILT 58, AZ 292
2880	AFT	OBL	6.1 S	94.9 E	113	62	52	HIRAYAMA, TILT 32, AZ 292
2881	FWD	OBL	4.6 S	91.1 E	113	62	56	HIRAYAMA, W WALL, TILT 56, AZ 293
2882	AFT	OBL	6.0 S	94.2 E	113	62	52	HIRAYAMA, TILT 30, AZ 293
2883	FWD	OBL	4.6 S	90.9 E	113	62	56	HIRAYAMA, W WALL, TILT 54, AZ 293
2884	AFT	OBL	5.9 S	94.0 E	113	62	53	HIRAYAMA, TILT 28, AZ 293
2885	FWD	OBL	4.6 S	90.8 E	113	62	56	HIRAYAMA, W WALL, TILT 52, AZ 293
2886	AFT	OBL	5.6 S	93.5 E	113	62	53	HIRAYAMA, TILT 26, AZ 293
2887	FWD	OBL	4.4 S	91.0 E	113	62	56	HIRAYAMA, W WALL, TILT 50, AZ 293
2888	AFT	OBL	5.5 S	93.2 E	113	62	54	HIRAYAMA, TILT 24, AZ 293
2889	FWD	OBL	4.4 S	90.2 E	113	62	57	HIRAYAMA, W WALL, TILT 48, AZ 293

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 80 TO 90 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2151	FWD	2156	10.1 N	89.3 E	125	15	71	JANSKY, W WALL, IBN YUNUS
2153	FWD	2158	10.4 N	88.6 E	125	15	71	GODDARD
2155	FWD	2160	10.7 N	87.9 E	125	15	70	NEPER, E RIM, BORDER SEA
2157	FWD	2162	11.0 N	87.2 E	125	15	69	NEPER, BORDER SEA
2159	FWD	2164	11.1 N	86.9 E	125	15	69	NEPER, BORDER SEA
2161	FWD	2166	11.4 N	85.8 E	125	15	68	NEPER, BORDER SEA
2163	FWD	2168	11.5 N	85.1 E	125	15	67	NEPER, BORDER SEA
2165	FWD	2170	11.8 N	84.4 E	125	15	66	NEPER, BORDER SEA
2167	FWD	2172	12.1 N	83.5 E	125	15	66	NEPER, W RIM
2169	FWD	2174	12.4 N	82.7 E	124	15	65	NEPER D
2171	FWD	2176	12.5 N	82.1 E	124	15	64	NEPER D
2173	FWD	2178	12.6 N	81.3 E	124	15	63	NEPER D, W WALL, BORDER SEA
2175	FWD	2180	12.9 N	80.6 E	124	15	63	HANSEN B, E WALL
2573	FWD	2578	5.8 N	89.6 E	125	28	83	JANSKY, E WALL, SMYTH'S SEA, BORDER SEA
2575	FWD	2580	6.2 N	89.3 E	125	28	83	JANSKY, SMYTH'S SEA, BORDER SEA
2577	FWD	2582	6.6 N	88.8 E	124	28	82	JANSKY, SMYTH'S SEA, BORDER SEA
2579	FWD	2584	6.8 N	88.3 E	124	28	82	JANSKY, W WALL, SMYTH'S SEA, BORDER SEA
2581	FWD	2586	6.9 N	87.9 E	124	28	82	JANSKY, W RIM, SMYTH'S SEA, BORDER SEA
2583	FWD	2588	6.9 N	87.0 E	124	28	81	NEPER K, SMYTH'S SEA, BORDER SEA
2585	FWD	2590	7.1 N	86.5 E	124	28	81	NEPER, K, SMYTH'S SEA, BORDER SEA
2587	FWD	2592	7.5 N	85.9 E	124	28	80	NEPER, K, SMYTH'S SEA, BORDER SEA
2589	FWD	2594	7.5 N	85.3 E	124	28	80	NEPER, K, SMYTH'S SEA, BORDER SEA
2591	FWD		7.9 N	84.7 E	124	28	79	NEPER, BORDER SEA
2593	FWD		8.1 N	84.1 E	124	28	79	NEPER, SCHUBERT, BORDER SEA
2873	FWD	OBL	4.3 S	90.0 E	113	62	56	HIRAYAMA, W WALL, TILT 64, AZ 292

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 70 TO 80 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2177	FWD	2182	13.0 N	79.8 E	124	15	62	HANSEN B, ALHAZEN B, E RIM
2179	FWD	2184	13.3 N	78.9 E	124	15	61	HANSEN B, ALHAZEN
2181	FWD	2186	13.5 N	78.1 E	124	15	60	ALHAZEN B
2183	FWD	2188	13.8 N	77.5 E	124	15	60	ALHAZEN E
2185	FWD	2190	14.0 N	76.8 E	123	15	59	ALHAZEN E
2187	FWD	2192	14.2 N	75.8 E	123	15	58	CONDORCET Q, E RIM
2189	FWD	2194	14.3 N	74.9 E	123	15	57	CONDORCET Q
2191	FWD	2196	14.4 N	74.1 E	123	15	57	CONDORCET Q, ALHAZEN A
2193	FWD	2198	14.5 N	73.5 E	123	15	56	HANSEN
2195	FWD	2200	14.8 N	72.8 E	123	15	55	HANSEN, ALHAZEN, E RIM
2197	FWD	2202	14.9 N	72.2 E	123	15	55	HANSEN, ALHAZEN
2199	FWD	2204	15.0 N	71.6 E	123	15	54	ALHAZEN, CONDORCET
2201	FWD	2206	15.2 N	70.8 E	122	15	53	CONDORCET
2203	FWD	2208	15.3 N	70.1 E	122	15	52	CONDORCET
2600	FWD	2605	5.9 N	78.6 E	112	49	80	BANACHIEWICZ, W RIM
2601	AFT		5.4 N	79.7 E	112	49	79	BANACHIEWICZ
2602	FWD	2607	6.2 N	78.0 E	112	49	80	BANACHIEWICZ, W OF, SCHUBERT H
2603	AFT		5.8 N	79.2 E	112	49	79	BANACHIEWICZ
2604	FWD	2609	6.4 N	77.5 E	112	49	80	BANACHIEWICZ, W OF
2606	FWD	2611	6.7 N	76.7 E	112	49	80	BANACHIEWICZ, W OF
2608	FWD	2613	7.0 N	76.1 E	112	49	81	BANACHIEWICZ, W OF
2610	FWD	2615	7.1 N	75.4 E	112	49	81	BANACHIEWICZ, W OF
2612	FWD	2617	7.3 N	74.8 E	112	49	81	BANACHIEWICZ, W OF
2614	FWD	2619	7.6 N	74.2 E	112	49	81	CONDORCET F, E RIM
2616	FWD	2621	7.9 N	73.7 E	112	49	81	CONDORCET F
2618	FWD	2623	8.3 N	73.1 E	112	49	81	CONDORCET F
2620	FWD	2625	8.5 N	72.5 E	112	49	81	CONDORCET F, W RIM, DUBIAGO
2622	FWD	2627	8.8 N	71.8 E	112	49	81	DUBIAGO, HANSEN, E RIM
2624	FWD	2629	9.0 N	71.3 E	112	49	81	CONDORCET P
2626	FWD	2631	9.2 N	70.7 E	112	49	80	CONDORCET P, HANSEN
2628	FWD	2633	9.4 N	70.1 E	112	49	80	CONDORCET, P, HANSEN

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 60 TO 70 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2205	FWD	2210	15.5 N	69.4 E	122	15	52	CONDORCET, W RIM
2207	FWD	2212	15.6 N	68.6 E	122	15	51	CONDORCET A, CRISES, SEA OF
2209	FWD	2214	15.8 N	67.7 E	122	15	50	EIMMART K, CRISES, SEA OF
2211	FWD	2216	16.1 N	67.0 E	122	15	50	CONDORCET W, EIMMART K
2213	FWD	2218	16.3 N	66.1 E	122	15	49	CONDORCET H, J, CRISES, SEA OF
2215	FWD	2220	16.3 N	65.4 E	121	15	48	CRISES, SEA OF
2217	FWD	2222	16.5 N	64.6 E	121	15	47	CRISES, SEA OF
2219	FWD	2224	16.6 N	63.9 E	121	15	47	CRISES, SEA OF
2221	FWD	2226	16.8 N	63.3 E	121	15	46	EIMMART H, PICARD X
2223	FWD	2228	16.9 N	62.4 E	121	15	45	PICARD X, CRISES, SEA OF
2225	FWD	2230	17.1 N	61.7 E	121	15	44	CRISES, SEA OF
2227	FWD	2232	17.1 N	61.0 E	120	15	44	EIMMART C, E RIM
2229	FWD	2234	17.3 N	60.3 E	120	15	43	EIMMART C, CRISES, SEA OF
2595	OBL		8.5 N	64.6 E	119	36	69	FIRMICUS, E HALF, TILT 40, AZ 196
2596	OBL		8.7 N	64.1 E	119	36	68	FIRMICUS, E HALF, TILT 40, AZ 196
2597	OBL		8.8 N	63.5 E	118	36	68	FIRMICUS, E HALF, TILT 40, AZ 196
2598	OBL		9.0 N	62.8 E	118	36	67	FIRMICUS, W HALF, TILT 40, AZ 196
2599	OBL		9.1 N	62.2 E	118	36	67	FIRMICUS, W OF, TILT 40, AZ 195
2630	FWD	2635	9.6 N	69.5 E	112	49	80	CONDORCET
2632	FWD	2637	9.8 N	68.9 E	112	49	79	CONDORCET, WAVES, SEA OF
2634	FWD	2639	10.0 N	68.4 E	112	49	79	CONDORCET, D, Y
2636	FWD	2641	10.3 N	67.7 E	112	49	79	CONDORCET, Y, WAVES, SEA OF
2638	FWD	2643	10.7 N	67.0 E	112	49	78	CONDORCET A, FIRMICUS B
2640	FWD	2645	11.0 N	66.3 E	112	49	78	FIRMICUS, E RIM, AUZOUT B, C
2642	FWD	2647	11.2 N	65.6 E	112	49	78	FIRMICUS
2644	FWD	2649	11.4 N	65.0 E	112	49	77	FIRMICUS, F, AUZOUT, A
2646	FWD	2651	11.6 N	64.4 E	112	49	77	FIRMICUS, F, AUZOUT
2648	FWD	2653	11.8 N	63.8 E	112	49	76	FIRMICUS, F, AUZOUT
2650	FWD	2655	12.0 N	63.2 E	112	49	76	CRISES, SEA OF
2652	FWD	2657	12.2 N	62.7 E	112	49	75	CRISES, SEA OF
2654	FWD	2659	12.3 N	62.1 E	112	49	75	AUZOUT E, PICARD X
2656	FWD	2661	12.5 N	61.4 E	112	49	74	AUZOUT E, G, PICARD X
2658	FWD	2663	12.7 N	60.8 E	112	49	74	AUZOUT G
2660	FWD	2665	13.0 N	60.1 E	112	49	73	AUZOUT G, APOLLONIUS X
2901	FWD	2906	1.3 N	65.6 E	110	74	70	FIRMICUS M
2902	AFT		.8 N	66.8 E	110	74	69	DURIAGO, W OF, FOAMING SEA
2903	FWD	2908	1.5 N	64.9 E	110	74	71	FIRMICUS M
2904	AFT		1.1 N	66.0 E	110	74	69	FIRMICUS M, FOAMING SEA
2905	FWD	2910	2.1 N	64.3 E	110	74	71	FIRMICUS M
2907	FWD	2912	2.3 N	63.7 E	110	74	72	FIRMICUS, E OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 60 TO 70 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT Km.	REV NO.	SUN EL.	DESCRIPTION
2909	FWD	2914	2 5 N	63.1 E	110	74	72	FIRMICUS, E OF
2911	FWD	2916	2.8 N	62.4 E	110	74	73	FIRMICUS, E RIM
2913	FWD	2918	3.0 N	61.8 E	111	74	73	FIRMICUS, WEBB
2915	FWD	2920	3.3 N	61.2 E	111	74	74	FIRMICUS, APOLLONIUS
2917	FWD	2922	3.6 N	60.5 E	111	74	74	FIRMICUS, W RIM, APOLLONIUS

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 50 TO 60 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2231	FWD	2236	17.3 N	59.7 E	120	15	42	EIMMART C, W RIM
2233	FWD	2238	17.4 N	58.9 E	120	15	42	CRISES, SEA OF
2235	FWD	2240	17.5 N	58.2 E	120	15	41	CRISES, SEA OF
2237	FWD	2242	17.7 N	57.6 E	120	15	40	CLEOMEDES F, E OF
2239	FWD	2244	17.8 N	56.9 E	119	15	40	CLEOMEDES F
2241	FWD	2246	17.9 N	56.4 E	119	15	39	CLEOMEDES F
2243	FWD	2248	18.1 N	55.8 E	119	15	39	PICARD, CRISES, SEA OF
2245	FWD	2250	18.2 N	55.0 E	119	15	38	PICARD
2247	FWD	2252	18.3 N	54.3 E	119	15	37	LICK, D, CRISES, SEA OF
2249	FWD	2254	18.4 N	53.7 E	119	15	37	LICK, D, PEIRCE, B
2251	FWD	2256	18.5 N	52.9 E	119	15	36	PEIRCE, W RIM, YERKES
2253	FWD	2258	18.6 N	52.2 E	118	15	35	YERKES, GLAISHER A
2255	FWD	2260	18.7 N	51.4 E	118	15	35	YERKES, W RIM, GLAISHER A
2257	FWD	2262	18.8 N	50.7 E	118	15	34	YERKES E, GLAISHER
2662	FWD	2667	13.1 N	59.5 E	112	49	73	APOLLONIUS X, CRISES, SEA OF
2664	FWD	2669	13.3 N	58.8 E	112	49	72	PICARD H, J, CRISES, SEA OF
2666	FWD	2671	13.5 N	58.2 E	112	49	71	PICARD H, J, CRISES, SEA OF
2668	FWD	2673	13.6 N	57.5 E	112	49	71	PICARD H, CRISES, SEA OF
2670	FWD	2675	13.8 N	56.8 E	112	49	70	CRISES, SEA OF
2672	FWD	2677	13.9 N	56.3 E	112	49	70	PICARD G, E OF, CRISES, SEA OF
2674	FWD	2679	14.1 N	55.7 E	112	49	69	PICARD G, CRISES, SEA OF
2676	FWD	2681	14.4 N	55.2 E	112	49	69	PICARD, G, CRISES, SEA OF
2678	FWD	2683	14.6 N	54.6 E	112	49	68	PICARD, LICK, E RIM
2680	FWD	2685	14.8 N	53.8 E	112	49	67	LICK, D
2682	FWD	2687	15.0 N	53.2 E	112	49	67	LICK, B, D, PEIRCE
2684	FWD	2689	15.1 N	52.5 E	112	49	66	LICK B, YERKES, PEIRCE, B
2686	FWD	2691	15.3 N	51.9 E	112	49	66	GLAISHER A, YERKES, PEIRCE, B
2688	FWD	2693	15.6 N	51.3 E	112	49	65	GLAISHER A, B, C, YERKES
2690	FWD	2695	15.8 N	50.6 E	112	49	65	GLAISHER, C, E, YERKES E
2919	FWD	2924	3.8 N	59.9 E	111	74	75	APOLLONIUS
2921	FWD	2926	4.0 N	59.4 E	111	74	75	APOLLONIUS, W RIM
2923	FWD	2928	4.2 N	58.8 E	111	74	76	APOLLONIUS A, E OF
2925	FWD	2930	4.4 N	58.3 E	111	74	76	APOLLONIUS A, E OF
2927	FWD	2932	4.9 N	57.6 E	111	74	77	APOLLONIUS A, E RIM
2929	FWD	2934	5.0 N	56.9 E	111	74	77	APOLLONIUS A
2931	FWD	2936	5.1 N	56.4 E	111	74	78	APOLLONIUS A
2933	FWD	2938	5.4 N	55.7 E	111	74	78	APOLLONIUS A, W OF
2935	FWD	2940	5.7 N	55.2 E	111	74	78	PICARD H
2937	FWD	2942	5.9 N	54.6 E	111	74	79	APOLLONIUS K, TARUNTIUS N
2939	FWD	2944	6.1 N	54.0 E	111	74	79	FERTILITY, SEA OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 50 TO 60 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2941	FWD	2946	6.4 N	53.4 E	111	74	79	FERTILITY, SEA OF
2943	FWD	2948	6.6 N	52.8 E	111	74	80	PICARD G, E RIM
2945	FWD	2950	6.8 N	52.2 E	111	74	80	PICARD G
2947	FWD	2952	7.1 N	51.6 E	111	74	80	LICK
2949	FWD	2954	7.3 N	51.0 E	111	74	80	LICK
2951	FWD	2956	7.5 N	50.5 E	111	74	81	LICK, TARUNTIUS A

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 40 TO 50 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2259	FWD	2264	18.9 N	50.0 E	118	15	33	GLAISHER, PROCLUS P
2261	FWD	2266	19.0 N	49.2 E	118	15	32	TISSERAND A, PROCLUS P, MACROBIUS S
2263	FWD	2268	19.1 N	48.5 E	118	15	32	TISSERAND, MACROBIUS S
2265	FWD	2270	19.2 N	47.7 E	117	15	31	TISSERAND, PROCLUS
2267	FWD	2272	19.2 N	46.7 E	117	15	30	MACROBIUS, E WALL, D, PROCLUS
2269	FWD	2274	19.3 N	46.2 E	117	15	30	MACROBIUS, PROCLUS R
2271	FWD	2276	19.4 N	45.4 E	117	15	29	MACROBIUS, PROCLUS R
2273	FWD	2278	19.4 N	44.6 E	117	15	28	MACROBIUS, W RIM, W
2275	FWD	2280	19.4 N	43.8 E	116	15	27	MACROBIUS W
2277	FWD	2282	19.5 N	43.0 E	116	15	27	MACROBIUS, W OF
2279	FWD	2284	19.6 N	42.1 E	116	15	26	MACROBIUS B, E OF
2281	FWD	2286	19.6 N	41.4 E	116	15	25	MACROBIUS B, PROCLUS D
2283	FWD	2288	19.6 N	40.6 E	116	15	24	MACROBIUS A, B
2692	FWD	2697	16.1 N	50.0 E	112	49	64	GLAISHER, E
2694	FWD	2699	16.3 N	49.4 E	112	49	63	GLAISHER W, PROCLUS P
2696	FWD	2701	16.6 N	48.8 E	112	49	63	GLAISHER W, PROCLUS P, PEIRCE C
2698	FWD	2703	16.8 N	48.2 E	112	49	62	GLAISHER W, TISSERAND A
2700	FWD	2705	17.0 N	47.5 E	112	49	62	TISSERAND, PROCLUS
2702	FWD	2707	17.1 N	46.9 E	112	49	61	TISSERAND, PROCLUS
2704	FWD	2709	17.2 N	46.2 E	112	49	60	TISSERAND, PROCLUS R, MACROBIUS, D
2706	FWD	2711	17.3 N	45.5 E	112	49	60	PROCLUS R, MACROBIUS
2708	FWD	2713	17.5 N	44.9 E	112	49	59	PROCLUS G, MACROBIUS
2710	FWD	2715	17.7 N	44.2 E	112	49	59	PROCLUS A, MACROBIUS
2712	FWD	2717	17.9 N	43.6 E	112	49	58	PROCLUS A, G, MACROBIUS
2714	FWD	2719	18.1 N	42.9 E	112	49	57	PROCLUS A
2716	FWD	2721	18.3 N	42.3 E	112	49	57	LYELL
2718	FWD	2723	18.5 N	41.6 E	112	49	56	LYELL, PROCLUS D
2720	FWD	2725	18.7 N	40.8 E	112	49	56	LYELL, A, FRANZ
2722	FWD	2727	18.9 N	40.1 E	112	49	55	LYELL A, MACROBIUS A, B
2953	FWD	2958	7.8 N	49.9 E	111	74	81	TARUNTIUS A
2955	FWD	2960	8.0 N	49.3 E	111	74	81	TARUNTIUS, E OF
2957	FWD	2962	8.2 N	48.7 E	111	74	81	TARUNTIUS
2959	FWD	2964	8.4 N	48.1 E	111	74	81	TARUNTIUS
2961	FWD	2966	8.7 N	47.5 E	111	74	81	TARUNTIUS
2963	FWD	2968	8.9 N	46.9 E	111	74	81	TARUNTIUS, W RIM
2965	FWD	2970	9.1 N	46.3 E	112	74	80	TARUNTIUS, W OF
2967	FWD	2972	9.4 N	45.6 E	112	74	80	DA VINCI
2969	FWD	2974	9.6 N	45.0 E	112	74	80	DA VINCI
2971	FWD	2976	9.9 N	44.3 E	112	74	80	DA VINCI, W OF
2973	FWD	2978	10.2 N	43.7 E	112	74	79	DA VINCI, W OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 40 TO 50 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT Km.	REV NO.	SUN EL.	DESCRIPTION
2975	FWD	2980	10.4 N	43.1 E	112	74	79	TRANQUILITY, SEA OF
2977	FWD	2982	10.7 N	42.4 E	112	74	79	TRANQUILITY, SEA OF
2979	FWD	2984	10.9 N	41.7 E	112	74	78	PROCLUS A
2981	FWD	2986	11.2 N	41.1 E	112	74	78	PROCLUS A
2983	FWD	2988	11.4 N	40.6 E	112	74	77	CAUCHY, E OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 30 TO 40 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2285	FWD	2290	19.7 N	39.9 E	115	15	24	MACROBIUS A, W RIM, LYELL A
2287	FWD	2292	19.7 N	39.1 E	115	15	23	MARALDI M
2289	FWD	2294	19.8 N	38.2 E	115	15	22	ROMER J, N, V
2291	FWD	2296	19.9 N	37.4 E	115	15	21	ROMER J, N, MARALDI B, D
2293	FWD	2298	19.9 N	36.7 E	115	15	21	ROMER, MARALDI B, D
2295	FWD	2300	19.9 N	35.9 E	115	15	20	ROMER, K, T, MARALDI A, D
2297	FWD	2302	20.0 N	35.4 E	114	15	19	ROMER K, MARALDI
2299	FWD	2304	20.0 N	34.6 E	114	15	19	MARALDI, VITRUVIUS A
2301	FWD	2306	20.0 N	33.8 E	114	15	18	VITRUVIUS A, LITTROW F
2303	FWD	2308	20.0 N	33.0 E	114	15	17	VITRUVIUS, E OF
2305	FWD	2310	20.0 N	32.2 E	114	15	17	VITRUVIUS, E RIM
2307	FWD	2312	20.0 N	31.4 E	113	15	16	VITRUVIUS, LITTROW
2309	FWD	2314	20.0 N	30.6 E	113	15	15	APOLLO 17 LANDING SITE
2724	FWD	2729	18.9 N	39.6 E	112	49	54	MARALDI M, MACROBIUS A
2726	FWD	2731	19.0 N	38.9 E	112	49	54	MARALDI M
2728	FWD	2733	19.1 N	38.3 E	112	49	53	MARALDI B
2730	FWD	2735	19.3 N	37.5 E	112	49	52	MARALDI B, D
2732	FWD	2737	19.4 N	37.0 E	112	49	52	MARALDI D
2734	FWD	2739	19.6 N	36.4 E	112	49	51	MARALDI A, D, F, ROMER T
2736	FWD	2741	19.8 N	35.8 E	112	49	51	MARALDI, D, F, ROMER, T
2738	FWD	2743	19.9 N	35.1 E	112	49	50	MARALDI, ROMER, K, T
2740	FWD	2745	20.0 N	34.3 E	112	49	49	MARALDI, ROMER, VITRUVIUS A
2742	FWD	2747	20.2 N	33.5 E	112	49	49	ROMER L, R, LITTROW F
2744	FWD	2749	20.3 N	32.9 E	112	49	48	ROMER R, VITRUVIUS, E OF
2746	FWD	2751	20.5 N	32.2 E	112	49	47	VITRUVIUS, LITTROW A, D
2748	FWD	2753	20.7 N	31.7 E	112	49	47	VITRUVIUS, LITTROW, A, D
2750	FWD	2755	20.9 N	30.9 E	112	49	46	LITTROW, APOLLO 17 LANDING SITE
2752	FWD	2757	20.9 N	30.3 E	112	49	46	VITRUVIUS E, E OF, LE MONNIER
2890	VERT		17.6 N	32.2 E	113	62	59	LITTROW F, MARALDI R
2891	VERT		17.8 N	31.5 E	113	62	59	VITRUVIUS
2892	VERT		18.0 N	30.9 E	113	62	58	LITTROW, A, VITRUVIUS
2893	VERT		18.1 N	30.3 E	113	62	57	LITTROW, APOLLO 17 LANDING SITE
2985	FWD	2990	11.6 N	40.0 E	112	74	77	CAUCHY, E RIM, LYELL
2987	FWD	2992	11.8 N	39.5 E	112	74	76	CAUCHY, SCARP, RILLE
2989	FWD	2994	12.0 N	38.9 E	112	74	76	CAUCHY SCARP, RILLE
2991	FWD	2996	12.3 N	38.2 E	112	74	76	CAUCHY SCARP, RILLE
2993	FWD	2998	12.5 N	37.4 E	112	74	75	CAUCHY SCARP, RILLE
2995	FWD	3000	12.7 N	36.8 E	112	74	75	MARALDI D, E OF
2997	FWD	3002	12.8 N	36.3 E	112	74	74	MARALDI D
2999	FWD	3004	13.0 N	35.6 E	112	74	74	MARALDI D

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 30 TO 40 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3001	FWD	3006	13.2 N	35.0 E	112	74	73	MARALDI D
3003	FWD	3008	13.4 N	34.4 E	112	74	72	MARALDI D
3005	FWD	3010	13.6 N	33.6 E	113	74	72	MARALDI, D, SINAS
3007	FWD	3012	13.8 N	33.0 E	113	74	71	SINAS, VITRUVIUS A
3009	FWD	3014	14.0 N	32.4 E	113	74	71	VITRUVIUS A
3011	FWD	3016	14.1 N	31.9 E	113	74	70	VITRUVIUS A
3013	FWD	3018	14.4 N	31.6 E	113	74	70	VITRUVIUS, E OF
3015	FWD	3020	14.6 N	30.7 E	113	74	69	VITRUVIUS

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 20 TO 30 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2311	FWD	2316	20.0 N	29.7 E	113	15	14	VITRUVIUS E
2313	FWD	2318	20.0 N	28.9 E	113	15	14	VITRUVIUS E
2315	FWD	2320	19.9 N	28.1 E	113	15	13	VITRUVIUS E, W OF
2317	FWD	2322	19.9 N	27.5 E	112	15	12	DAWES, E OF
2319	FWD	2324	19.9 N	26.7 E	112	15	11	DAWES, SERENITY, SEA OF
2321	FWD	2326	19.9 N	26.0 E	112	15	11	DAWES, SERENITY, SEA OF
2323	FWD	2328	19.9 N	25.4 E	112	15	10	DAWES, W OF
2325	FWD	2330	19.9 N	24.6 E	112	15	10	PLINIUS, E RIM
2327	FWD	2332	19.9 N	24.0 E	112	15	9	PLINIUS, SERENITY, SEA OF
2329	FWD	2334	19.8 N	23.4 E	111	15	8	PLINIUS, SERENITY, SEA OF
2331	FWD	2336	19.8 N	22.7 E	111	15	8	PLINIUS, W RIM
2333	FWD	2338	19.8 N	22.0 E	111	15	7	DESEILLIGNY
2335	FWD	2340	19.8 N	21.4 E	111	15	6	BESSEL A, DESEILLIGNY
2337	FWD	2342	19.8 N	20.6 E	111	15	6	BESSEL A
2754	FWD	2759	20.9 N	29.6 E	112	49	45	VITRUVIUS E, LE MONNIER
2756	FWD	2761	21.1 N	28.9 E	112	49	44	LE MONNIER
2758	FWD	2763	21.2 N	28.3 E	112	49	44	SERENITY, SEA OF
2760	FWD	2765	21.3 N	27.6 E	112	49	43	DAWES, SERENITY, SEA OF
2762	FWD	2767	21.4 N	26.9 E	112	49	42	DAWES, SERENITY, SEA OF
2764	FWD		21.5 N	26.2 E	112	49	42	DAWES, W RIM
2766	FWD		21.6 N	25.5 E	112	49	41	DAWES, W OF
2768	FWD		21.7 N	24.9 E	112	49	41	PLINIUS, N RIM
2894	VERT		18.3 N	29.7 E	113	62	57	LITTROW, APOLLO 17 LANDING SITE
2895	VERT		18.5 N	29.0 E	113	62	56	LITTROW B, JANSEN E, VITRUVIUS E
2896	VERT		18.6 N	28.5 E	113	62	56	LITTROW B, JANSEN E
2897	VERT		18.8 N	28.0 E	113	62	55	PLINIUS B, DAWES, E OF
2898	VERT		19.0 N	27.3 E	113	62	55	PLINIUS B
2899	VERT		19.1 N	26.7 E	113	62	54	DAWES
2900	VERT		19.3 N	25.9 E	113	62	53	LE MONNIER C
3017	FWD	3022	14.9 N	30.0 E	113	74	69	VITRUVIUS
3019	FWD	3024	15.0 N	29.4 E	113	74	68	JANSEN, APOLLO 17 LANDING SITE
3021	FWD	3026	15.3 N	28.6 E	113	74	67	JANSEN, APOLLO 17 LANDING SITE
3023	FWD	3028	15.5 N	27.9 E	113	74	67	JANSEN, E OF
3025	FWD	3030	15.6 N	27.3 E	113	74	66	JANSEN, E OF
3027	FWD	3032	15.8 N	26.8 E	113	74	66	DAWES, E OF
3029	FWD	3034	16.0 N	26.2 E	113	74	65	DAWES
3031	FWD	3036	16.2 N	25.4 E	113	74	64	DAWES
3033	FWD		16.4 N	24.8 E	113	74	64	PLINIUS
3035	FWD		16.6 N	24.1 E	113	74	63	PLINIUS

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 10 TO 20 E

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
2339	FWD	2344	19.8 N	19.9 E	110	15	5	TACQUET A
2341	FWD	2346	19.7 N	19.3 E	110	15	4	TACQUET, SERENITY, SEA OF
2343	FWD	2348	19.6 N	18.7 E	110	15	4	TACQUET, BESSEL
2345	FWD	2350	19.6 N	17.9 E	110	15	3	BESSEL, SERENITY, SEA OF
2347	FWD	2352	19.6 N	17.3 E	110	15	3	BESSEL, W OF, AUWERS
2349	FWD	2354	19.5 N	16.6 E	110	15	2	AUWERS, MENELAUS
2351	FWD	2356	19.5 N	16.0 E	110	15	2	MENELAUS, SERENITY, SEA OF
2353	FWD	2358	19.5 N	15.2 E	109	15	1	MENELAUS, BESSEL E
2355	FWD	2360	19.4 N	14.5 E	109	15	0	MENELAUS, W OF

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 0 TO 10 W

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3037	FWD	3042	22.6 N	7.0 W	116	74	34	ARCHIMEDES A
3038	AFT		22.4 N	5.5 W	116	74	37	ARCHIMEDES, S OF
3039	FWD	3044	22.7 N	7.7 W	116	74	34	ARCHIMEDES A, F
3040	AFT		22.5 N	6.2 W	116	74	35	ARCHIMEDES, S OF
3041	FWD	3046	22.7 N	8.4 W	116	74	33	WALLACE
3043	FWD	3048	22.8 N	9.1 W	116	74	32	WALLACE, BEER
3045	FWD	3050	22.8 N	9.8 W	116	74	32	BEER, FEUILLEE

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 10 TO 20 W

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3047	FWD	3052	22.9 N	10.4 W	116	74	31	FEUILLEE, RAINS, SEA OF
3049	FWD	3054	22.8 N	11.1 W	116	74	31	FEUILLEE, W OF
3051	FWD	3056	22.9 N	11.7 W	116	74	30	TIMOCHARIS, E OF
3053	FWD	3058	22.9 N	12.4 W	116	74	29	TIMOCHARIS, E RIM
3055	FWD	3060	22.9 N	13.1 W	116	74	29	TIMOCHARIS
3057	FWD	3062	22.9 N	13.8 W	117	74	28	TIMOCHARIS, W RIM
3059	FWD	3064	22.9 N	14.5 W	117	74	28	TIMOCHARIS, W OF
3061	FWD	3066	22.9 N	15.2 W	117	74	27	TIMOCHARIS, W OF
3063	FWD	3068	23.0 N	15.9 W	117	74	26	TIMOCHARIS, W OF
3065	FWD	3070	23.0 N	16.6 W	117	74	26	TIMOCHARIS, W OF
3067	FWD	3072	23.0 N	17.2 W	117	74	25	LAMBERT R, E OF
3069	FWD	3074	23.0 N	17.8 W	117	74	24	LAMBERT R, E OF
3071	FWD	3076	22.9 N	18.6 W	117	74	24	LAMBERT R, E OF
3073	FWD	3078	22.9 N	19.3 W	117	74	23	LAMBERT, E OF
3075	FWD		23.0 N	19.9 W	117	74	23	LAMBERT, E RIM, R, PYTHEAS

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 20 TO 30 W

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3077	FWD		23.0 N	20.7 W	117	74	22	LAMBERT, R, PYTHEAS
3079	VERT		23.0 N	20.1 W	117	74	22	LAMBERT, E RIM, R, PYTHEAS
3080	VERT		23.0 N	20.4 W	117	74	22	LAMBERT, R, PYTHEAS
3081	VERT		23.0 N	20.9 W	117	74	22	LAMBERT, R, PYTHEAS
3082	VERT		23.0 N	21.2 W	117	74	22	LAMBERT, R, PYTHEAS, W RIM, DRAPER
3083	VERT		23.0 N	21.5 W	117	74	21	LAMBERT, DRAPER
3084	VERT		23.0 N	21.9 W	117	74	21	LAMBERT, W RIM, DRAPER
3085	VERT		23.0 N	22.2 W	117	74	21	LAMBERT, W OF, DRAPER
3086	VERT		23.0 N	22.6 W	117	74	20	LA HIRE B, DRAPER, W OF
3087	VERT		23.0 N	22.9 W	117	74	19	LA HIRE A, B
3088	VERT		23.0 N	23.3 W	117	74	19	LA HIRE A, B
3089	VERT		23.0 N	23.7 W	117	74	19	LA HIRE A, B
3090	VERT		23.0 N	24.0 W	117	74	19	LA HIRE A
3091	VERT		23.0 N	24.3 W	117	74	18	MOUNT LA HIRE, E OF
3092	VERT		23.0 N	24.7 W	117	74	18	MOUNT LA HIRE
3093	VERT		23.0 N	25.0 W	117	74	18	MOUNT LA HIRE
3094	VERT		23.0 N	25.4 W	117	74	17	MOUNT LA HIRE
3095	VERT		23.0 N	25.7 W	118	74	17	MOUNT LA HIRE
3096	VERT		23.0 N	26.1 W	118	74	17	MOUNT LA HIRE
3097	VERT		23.0 N	26.4 W	118	74	16	MOUNT LA HIRE, W OF
3098	VERT		23.1 N	26.8 W	118	74	16	TOBIAS MAYER G
3099	VERT		23.1 N	27.1 W	118	74	16	TOBIAS MAYER G
3100	VERT		23.1 N	27.5 W	118	74	15	TOBIAS MAYER G
3101	VERT		23.1 N	27.7 W	118	74	15	TOBIAS MAYER G
3102	VERT		23.1 N	28.1 W	118	74	15	TOBIAS MAYER G
3103	VERT		23.1 N	28.4 W	118	74	14	EULER, E RIM
3104	VERT		23.1 N	28.8 W	118	74	14	EULER
3105	VERT		23.1 N	29.1 W	118	74	13	EULER
3106	VERT		23.1 N	29.5 W	118	74	13	EULER
3107	VERT		23.1 N	29.8 W	118	74	13	EULER, W RIM

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 30 TO 40 W

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3108	VERT		23.1 N	30.1 W	118	74	13	EULER, W OF
3109	VERT		23.1 N	30.5 W	118	74	12	EULER, W OF
3110	VERT		23.0 N	30.7 W	118	74	12	EULER P, E RIM
3111	VERT		23.0 N	31.2 W	118	74	11	EULER P
3112	VERT		23.0 N	31.5 W	118	74	11	EULER P
3113	VERT		22.9 N	31.8 W	118	74	11	EULER P, W RIM
3114	VERT		22.9 N	32.2 W	118	74	11	EULER P, W OF
3115	VERT		22.9 N	32.5 W	118	74	10	BRAYLEY D, E RIM
3116	VERT		22.8 N	32.9 W	118	74	10	BRAYLEY D, DIOPHANTUS, E OF
3117	VERT		22.8 N	33.2 W	118	74	10	BRAYLEY D, DIOPHANTUS
3118	VERT		22.8 N	33.6 W	118	74	10	BRAYLEY D, W RIM, DIOPHANTUS
3119	VERT		22.7 N	33.9 W	118	74	9	BRAYLEY B, E RIM, DIOPHANTUS, EULER E
3120	VERT		22.7 N	34.3 W	118	74	9	BRAYLEY B, EULER E, DIOPHANTUS
3121	VERT		22.7 N	34.6 W	119	74	8	BRAYLEY B, DIOPHANTUS C, TOBIAS MAYER W
3122	VERT		22.7 N	34.9 W	119	74	8	BRAYLEY B, TOBIAS MAYER W
3123	VERT		22.6 N	35.3 W	119	74	8	TOBIAS MAYER W
3124	VERT		22.6 N	35.6 W	119	74	7	TOBIAS MAYER W
3125	VERT		22.6 N	36.0 W	119	74	7	TOBIAS MAYER W
3126	VERT		22.6 N	36.3 W	119	74	7	BRAYLEY, E OF
3127	VERT		22.6 N	36.6 W	119	74	7	BRAYLEY, STORMS, OCEAN OF
3128	VERT		22.5 N	37.0 W	119	74	6	BRAYLEY, STORMS, OCEAN OF
3129	VERT		22.5 N	37.4 W	119	74	6	BRAYLEY, STORMS, OCEAN OF
3130	VERT		22.5 N	37.7 W	119	74	6	BRAYLEY, W RIM
3131	VERT		22.5 N	38.1 W	119	74	5	BRAYLEY, W OF
3132	VERT		22.4 N	38.4 W	119	74	5	BRAYLEY, W OF
3133	VERT		22.4 N	38.8 W	119	74	4	BRAYLEY C, E OF
3134	VERT		22.4 N	39.1 W	119	74	4	BRAYLEY C, E RIM
3135	VERT		22.3 N	39.5 W	119	74	4	BRAYLEY C
3136	VERT		22.2 N	39.8 W	119	74	4	BRAYLEY C, BESSARION A

APOLLO 17
PANORAMIC CAMERA PHOTOGRAPHS
INDEXED BY LONGITUDE 40 TO 50 W

NASA PHOTO AS16-	CAMERA LOOK	STEREO FRAME AS16-	PRINCIPAL POINT LAT.	PRINCIPAL POINT LONG.	ALT KM.	REV NO.	SUN EL.	DESCRIPTION
3137	VERT		22.2 N	40.1 W	119	74	3	BRAYLEY E, W RIM, BESSARION A
3138	VERT		22.2 N	40.5 W	119	74	3	BESSARION A, HARBINGER MOUNTAINS
3139	VERT		22.1 N	40.8 W	119	74	3	BESSARION A, HARBINGER MOUNTAINS
3140	VERT		22.1 N	41.1 W	120	74	2	BESSARION A, HARBINGER MOUNTAINS
3141	VERT		22.1 N	41.5 W	120	74	2	BESSARION D, E RIM
3142	VERT		22.1 N	41.9 W	120	74	2	BESSARION B, D
3143	VERT		22.1 N	42.2 W	120	74	2	BESSARION B, D
3144	VERT		22.0 N	42.5 W	120	74	2	BESSARION B, D, PRINZ, E WALL
3145	VERT		22.0 N	42.9 W	120	74	1	BESSARION B, PRINZ
3146	VERT		21.9 N	43.2 W	120	74	1	BESSARION B, PRINZ
3147	VERT		21.9 N	43.6 W	120	74	1	BESSARION C, N RIM, PRINZ
3148	VERT		21.9 N	43.9 W	120	74	1	PRINZ, STORMS, OCEAN OF