PART II

APOLLO 14 PHOTOGRAPHY

70-mm, 35-mm, 16-mm, and 5-in. Frame Index

AUGUST 1971

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Part II

APOLLO 14 PHOTOGRAPHY
70-mm, 35-mm, 16-mm, and 5-in. Frame Index

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CONTENTS

INTRODUCTION

This index contains supporting information for the 70-mm, 35-mm, 16-mm, and 5-in. photography taken during the Apollo 14 mission.

For each 70-mm and usable 5-in. frame, the index presents the information available on: (1) the revolution number, (2) the focal length of the camera, (3) the photo scale at the principal point of the frame, (4) the selenographic coordinates at the principal point of the frame, (5) the approximate tilt of the photo, (6) the percentage of forward overlap of the frame, (7) the sun angle, (8) the quality of the photography, and (9) the photo index area (using the Lunar Aeronautical Chart system for the earthside and similar breakdowns on the farside region). A brief description of each frame is also included.

The index to the 35-mm stereo frames is listed by frame number and general description. The index to the 16-mm sequence photography includes information concerning the approximate surface coverage of the photographic sequence and a brief description of the principal features shown. A "remarks" column is included to indicate (1) if the sequence is plotted on the photographic index map and (2) the quality of the photography.

Directly following the indexes are two Photo Index Area Location Diagrams, one for the lunar earthside and one for the lunar farside, that have been prepared by the Mapping Sciences Branch, Manned Spacecraft Center. On these diagrams, areas of the moon have been numbered to facilitate and standardize the identification of lunar photography. It should be noted that the numbering of the earthside diagram corresponds to that on the Lunar Aeronautical Chart that accompanies this Apollo 14 data package.

The National Space Science Data Center (NSSDC) wishes to thank members of the staff of the Mapping Sciences Branch and the personnel of the Lockheed Electronics Company/Aerospace Systems Division for providing their original index pages to NSSDC.

MAGAZINE LL

(Frames AS14-64-9046 through 9201)

Magazine LL is a 60-mm sequence of the lunar surface, which includes EVA 2. Several 360° panoramas were taken with the sequence, showing Old Nameless Crater and a large boulder field near the flank of Cone Crater. The modular equipment transporter (M.E.T.) can be seen in several frames.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine LL AS14-64 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9046	Sur-face	60mm	-	-	-	-	S	-	24°	Good	-	Pan of Core Tube
9047	"	"	-	-	-	-	"	-	"	"	-	"
9048	"	"	-	-	-	-	SW	-	"	"	-	Pan of Core Tube LM in Background
9049	"	"	-	-	-	-	W	-	"	"	-	LM in Background 360° Pan from EVA 2
9050	"	"	-	-	-	-	"	-	"	"	-	"
9051	"	"	-	-	-	-	"	-	"	"	-	"
9052	"	"	-	-	-	-	N	-	"	"	-	"
9053	"	"	-	-	-	-	"	-	"	"	-	"
9054	"	"	-	-	-	-	"	-	"	"	-	Modular Equipment Transporter 360° Pan from EVA 2
9055	"	"	-	-	-	-	"	-	"	"	-	"
9056	"	"	-	-	-	-	"	-	"	"	-	"
9057	"	"	-	-	-	-	"	-	"	"	-	"
9058	"	"	-	-	-	-	NE	-	"	"	-	"
9059	"	"	-	-	-	-	"	-	"	"	-	"
9060	"	"	-	-	-	-	"	-	"	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine LL AS14-64 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9076	Sur-face	60mm	-	-	-	-	W	-	24°	Good	-	360° Pan from EVA 2
9077	"	"	-	-	-	-	"	-	"	"	-	"
9078	"	"	-	-	-	-	N	-	"	"	-	"
9079	"	"	-	-	-	-	"	-	"	"	-	360° Pan from EVA 2 Small Crater
9080	"	"	-	-	-	-	"	-	"	"	-	"
9081	"	"	-	-	-	-	"	-	"	"	-	"
9082	"	"	-	-	-	-	NE	-	"	"	-	360° Pan from EVA 2
9083	"	"	-	-	-	-	"	-	"	"	-	"
9084	"	"	-	-	-	-	"	-	"	"	-	"
9085	"	"	-	-	-	-	E	-	"	"	-	"
9086	"	"	-	-	-	-	"	-	"	"	-	"
9087	"	"	-	-	-	-	"	-	"	"	-	
9088	"	"	-	-	-	-	SE	-	"	"	-	360° Pan from EVA 2 Astronaut Mitchell
9089	"	"	-	-	-	-	"	-	"	"	-	"
9090	"	"	-	-	-	-	"	-	"	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine LL AS14-64 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9061	Sur-face	60mm	-	-	-	-	E	-	24°	Good	-	360° Pan from EVA 2
9062	"	"	-	-	-	-	"	-	"	"	-	"
9063	"	"	-	-	-	-	"	-	"	"	-	"
9064	"	"	-	-	-	-	"	-	"	"	-	"
9065	"	"	-	-	-	-	SE	-	"	"	-	Pan of Small Boulders
9066	"	"	-	-	-	-	S	-	"	"	-	"
9067	"	"	-	-	-	-	"	-	"	"	-	"
9068	"	"	-	-	-	-	"	-	"	"	-	"
9069	"	"	-	-	-	-	"	-	"	"	-	"
9070	"	"	-	-	-	-	"	-	"	"	-	"
9071	"	"	-	-	-	-	SW	-	"	"	-	"
9072	"	"	-	-	-	-	"	-	"	"	-	"
9073	"	"	-	-	-	-	NW	-	"	"	-	Photo of Gnomon
9074	"	"	-	-	-	-	"	-	"	"	-	"
9075	"	"	-	-	-	-	W	-	"	"	-	360° Pan from EVA 2

APOLLO 14 FRAME PHOTOGRAPHY

Magazine LL AS14-64 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9091	Sur-face	60mm	-	-	-	-	S	-	24°	Good	-	Taken from Flank of Cone 360° Pan from EVA 2
9092	"	"	-	-	-	-	"	-	"	"	-	"
9093	"	"	-	-	-	-	"	-	"	"	-	360° Pan from EVA 2 Modular Equipment Transporter
9094	"	"	-	-	-	-	SW	-	"	"	-	(M.E.T.) "
9095	"	"	-	-	-	-	"	-	"	"	-	LM in Distance, 360° Pan from EVA 2, M.E.T.
9096	"	"	-	-	-	-	W	-	"	"	-	LM in Distance 360° Pan from EVA 2
9097	"	"	-	-	-	-	"	-	"	"	-	"
9098	"	"	-	-	-	-	"	-	"	"	-	360° Pan from EVA 2
9099	"	"	-	-	-	-	"	-	"	"	-	"
9100	"	"	-	-	-	-	N	-	"	"	-	"
9101	"	"	-	-	-	-	"	-	"	"	-	"
9102	"	"	-	-	-	-	"	-	"	"	-	"
9103	"	"	-	-	-	-	"	-	"	"	-	"
9104	"	"	-	-	-	-	"	-	"	"	-	"
9105	"	"	-	-	-	-	"	-	"	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine LL AS14 - 64 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9106	Sur-face	60mm	-	-	-	-	NE	-	24°	Good	-	360° Pan from EVA 2
9107	"	"	-	-	-	-	"	-	"	"	-	"
9108	"	"	-	-	-	-	"	-	"	"	-	"
9109	"	"	-	-	-	-	E	-	"	"	-	"
9110	"	"	-	-	-	-	"	-	"	"	-	"
9111	"	"	-	-	-	-	"	-	"	"	-	"
9112	"	"	-	-	-	-	"	-	"	"	-	"
9113	"	"	-	-	-	-	SE	-	"	"	-	"
9114	"	"	-	-	-	-	"	-	"	"	-	Old Nameless in Background 360° Pan from EVA 2
9115	"	"	-	-	-	-	"	-	"	"	-	"
9116	"	"	-	-	-	-	S	-	"	"	-	"
9117	"	"	-	-	-	-	"	-	"	"	-	"
9118	"	"	-	-	-	-	"	-	"	"	-	"
9119	"	"	-	-	-	-	SW	-	"	"	-	M.E.T. 360° Pan from EVA 2
9120	"	"	-	-	-	-	W	-	"	"	-	"

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Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9121	Sur-face	60mm	-	-	-	-	W	-	24°	Good	-	M.E.T., 360° Pan from EVA 2
9122	"	"	-	-	-	-	"	-	"	"	-	"
9123	"	"	-	-	-	-	S	-	"	"	-	Pan of Gnomon EVA 2
9124	"	"	-	-	-	-	"	-	"	"	-	"
9125	"	"	-	-	-	-	N	-	"	"	-	"
9126	"	"	-	-	-	-	"	-	"	"	-	"
9127	"	"	-	-	-	-	"	-	"	"	-	"
9128	"	"	-	-	-	-	"	-	"	"	-	"
9129	"	"	-	-	-	-	"	-	"	"	-	"
9130	"	"	-	-	-	-	S	-	"	"	-	Old Nameless in Background Pan of Large Rock EVA 2
9131	"	"	-	-	-	-	"	-	"	"	-	"
9132	"	"	-	-	-	-	"	-	"	"	-	"
9133	"	"	-	-	-	-	"	-	"	"	-	"
9134	"	"	-	-	-	-	N	-	"	"	-	Large Rock
9135	"	"	-	-	-	-	"	-	"	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

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Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9136	Sur-face	60mm	-	-	-	-	NW	-	24°	-	-	Large Rock
9137	"	"	-	-	-	-	"	-	"	-	-	Mitchell and M.E.T.
9138	"	"	-	-	-	-	"	-	"	-	-	Mitchell and M.E.T. LM in Background
9139	"	"	-	-	-	-	W	-	"	-	-	"
9140	"	"	-	-	-	-	"	-	"	-	-	"
9141	"	"	-	-	-	-	NW	-	"	-	-	360° Pan from EVA 2
9142	"	"	-	-	-	-	"	-	"	-	-	"
9143	"	"	-	-	-	-	N	-	"	-	-	"
9144	"	"	-	-	-	-	"	-	"	-	-	"
9145	"	"	-	-	-	-	"	-	"	-	-	"
9146	"	"	-	-	-	-	NE	-	"	-	-	"
9147	"	"	-	-	-	-	"	-	"	-	-	"
9148	"	"	-	-	-	-	E	-	"	-	-	"
9149	"	"	-	-	-	-	"	-	"	-	-	"
9150	"	"	-	-	-	-	SE	-	"	-	-	"

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Magazine LL AS14 - 64 Film SO-267, BW

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9151	Sur-face	60mm	-	-	-	-	SE	-	24°	Good	-	Old Nameless in Background 360° Pan from EVA 2
9152	"	"	-	-	-	-	S	-	"	"	-	"
9153	"	"	-	-	-	-	"	-	"	"	-	"
9154	"	"	-	-	-	-	"	-	"	"	-	"
9155	"	"	-	-	-	-	SW	-	"	"	-	"
9156	"	"	-	-	-	-	"	-	"	"	-	"
9157	"	"	-	-	-	-	"	-	"	"	-	"
9158	"	"	-	-	-	-	S	-	"	"	-	Pan of Footprint Trench
9159	"	"	-	-	-	-	"	-	"	"	-	"
9160	"	"	-	-	-	-	SW	-	"	"	-	"
9161	"	"	-	-	-	-	"	-	"	"	-	"
9162	"	"	-	-	-	-	"	-	"	"	-	"
9163	"	"	-	-	-	-	"	-	"	"	-	"
9164	"	"	-	-	-	-	NE	-	"	"	-	"
9165	"	"	-	-	-	-	"	-	"	"	-	"

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Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9166	Sur-face	60mm	-	-	-	-	W	-	24°	-	-	Pan of Footprint Trench
9167	"	"	-	-	-	-	"	-	"	-	-	LM in Background 360° Pan from EVA 2
9168	"	"	-	-	-	-	"	-	"	-	-	"
9169	"	"	-	-	-	-	NW	-	"	-	-	"
9170	"	"	-	-	-	-	"	-	"	-	-	"
9171	"	"	-	-	-	-	N	-	"	-	-	"
9172	"	"	-	-	-	-	"	-	"	-	-	"
9173	"	"	-	-	-	-	NE	-	"	-	-	Mitchell and M.E.T. 360° Pan from EVA 2
9174	"	"	-	-	-	-	"	-	"	-	-	"
9175	"	"	-	-	-	-	E	-	"	-	-	Tracks of M.E.T. 360° Pan from EVA 2
9176	"	"	-	-	-	-	"	-	"	-	-	"
9177	"	"	-	-	-	-	"	-	"	-	-	"
9178	"	"	-	-	-	-	SE	-	"	-	-	"
9179	"	"	-	-	-	-	"	-	"	-	-	"
9180	"	"	-	-	-	-	S	-	"	-	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine LL AS14-64 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9181	Sur-face	60mm	-	-	-	-	S	-	24°	Good	-	360° Pan from EVA 2
9182	"	"	-	-	-	-	"	-	"	"	-	"
9183	"	"	-	-	-	-	"	-	"	"	-	"
9184	"	"	-	-	-	-	SW	-	"	"	-	"
9185	"	"	-	-	-	-	"	-	"	"	-	"
9186	"	"	-	-	-	-	"	-	"	"	-	"
9187	"	"	-	-	-	-	W	-	"	"	-	LM in Background 360° Pan from EVA 2
9188	"	"	-	-	-	-	-	-	"	"	-	Photo of Gnomon and LM
9189	"	"	-	-	-	-	-	-	Low	Dark	-	Earth Crescent and LM Taken from Surface
9190	"	"	-	-	-	-	-	-	"	"	-	"
9191	"	"	-	-	-	-	-	-	"	"	-	"
9192	"	"	-	-	-	-	-	-	"	"	-	"
9193	"	"	-	-	-	-	-	-	"	"	-	"
9194	"	"	-	-	-	-	-	-	"	"	-	"
9195	"	"	-	-	-	-	-	-	"	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine LL AS14 - 64 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9196	Sur-face	60mm	-	-	-	-	-	-	Low	Dark	-	Earth Crescent and LM Taken from Surface
9197	"	"	-	-	-	-	-	-	"	"	-	"
9198	"	"	-	-	-	-	SW	-	24°	Good	-	Solar Wind Panel
9199	"	"	-	-	-	-	"	-	"	"	-	"
9200	"	"	-	-	-	-	"	-	"	"	-	"
9201	"	"	-	-	-	-	"	-	"	"	-	"
			END OF MAGAZINE									

MAGAZINE KK

(Frames AS14-65-9202 through 9215)

Magazine KK consists of 70-mm black and white photos taken at low sun angle from the LM window with the 60-mm lens. All 14 of these photos were taken after landing but prior to EVA 1.

Frames 9202 through 9208 are views generally to the north of the LM, and frames 9209 through 9215 are views to the south.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine KK AS14-65 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9202	Sur-face	60mm	Surface Oblique	NA	NA			NA	12°	Good	76	View From LM Window to NW
9203	"	"	"	"	"			"	"	"	"	"
9204	"	"	"	"	"			"	"	"	"	"
9205	"	"	"	"	"			"	"	"	"	"
9206	"	"	"	"	"			"	"	"	"	View From LM Window to WNW
9207	"	"	"	"	"			"	"	"	"	"
9208	"	"	"	"	"			"	"	"	"	View From LM Window to NW
9209	"	"	"	"	"			"	"	"	"	View From LM Window to SW
9210	"	"	"	"	"			"	"	"	"	"
9211	"	"	"	"	"			"	"	"	"	View From LM Window to WSW
9212	"	"	"	"	"			"	"	"	"	View From LM Window to W
9213	"	"	"	"	"			"	"	"	"	"
9214	"	"	"	"	"			"	"	"	"	"
9215	"	"	"	"	"			"	"	"	"	"
			END OF MAGAZINE									

MAGAZINE II

(Frames AS14-66-9216 through 9360)

Magazine II is a 70-mm color sequence taken from the LM in lunar orbit and on the lunar surface using a 60-mm lens with a reseau. Frames 9216 through 9223 are views from the LM window during lunar orbit showing the Command Service Module (CSM). Frames 9224 through 9228 were also taken from the LM portraying earthrise over the lunar horizon. Frames 9229 through 9326 were taken on the lunar surface during the first EVA. The LM, the ALSEP, and views of the lunar surface are shown. Frames 9344 through 9360 were taken of the CSM during rendezvous. Photo quality ranges from fair to good in this magazine.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine II AS14- 66 Film SO-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9216	12	60mm	-	-	-	-	-	-	High	Good	-	View from LM Window During Lunar Orbit Showing the CSM
9217	"	"	-	-	-	-	-	-	"	"	-	"
9218	"	"	-	-	-	-	-	-	"	"	-	"
9219	"	"	-	-	-	-	-	-	"	"	-	"
9220	"	"	-	-	-	-	-	-	"	"	-	"
9221	"	"	-	-	-	-	-	-	"	"	-	"
9222	"	"	-	-	-	-	-	-	"	"	-	"
9223	"	"	-	-	-	-	-	-	"	"	-	"
9224	14	"	-	9.0°S	105.0° E	-	260°	-	50°	"	82	Earthrise from LM near Pasteur Crater
9225	"	"	-	"	104.0° E	-	"	80%	"	"	"	"
9226	"	"	-	"	103.0° E	-	"	"	"	"	"	"
9227	"	"	-	HORIZON		-	255°	"	"	"	"	"
9228	"	"	-	"	"	-		"	"	"	"	"
9229	-	"	-	-	-	-	-	-	12°	"	-	Cdr. Shepard on Lunar Surface from LM Looking NW
9230	-	"	-	-	-	-	-	-	"	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine II AS14-66 Film SO-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9231	NA	60mm	NA	-	-	-	-	-	12°	Good	76	Cdr. Shepard on Lunar Surface from LM Looking NW
9232	"	"	"	-	-	-	-	-	"	-	-	Cdr. Shepard on Lunar Surface with Flag Looking West
9233	"	"	"	-	-	-	-	-	"	-	-	"
9234	"	"	"	-	-	-	-	-	"	-	-	LM Footpad
9235	"	"	"	-	-	-	-	-	"	-	-	"
9236	"	"	"	-	-	-	-	-	-	-	-	Lunar Surface to Horizon with High Gain Erectable Antenna
9237	"	"	"	-	-	-	-	-	-	-	-	Looking West "
9238	"	"	"	-	-	-	-	-	-	-	-	Lunar Surface to Horizon with Solar Wind Panel Looking NW
9239	"	"	"	-	-	-	-	-	-	-	-	"
9240	"	"	"	-	-	-	-	-	-	-	-	Lunar Surface to Horizon with Solar Wind Panel Looking North
9241	"	"	"	-	-	-	-	-	-	-	-	Astronaut Mitchell with TV Camera Looking North
9242	"	"	"	-	-	-	-	-	-	-	-	"
9243	"	"	"	-	-	-	-	-	-	-	-	"
9244	"	"	"	-	-	-	-	-	-	-	-	Lunar Surface to Horizon Looking Northeast
9245	"	"	"	-	-	-	-	-	-	-	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine II AS14-66 Film SO-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9246	-	60mm	-	-	-	-	-	-	12°	Good	76	Lunar Surface to Horizon Looking East
9247	-	"	-	-	-	-	-	-	"	"	"	"
9248	-	"	-	-	-	-	-	-	"	"	"	"
9249	-	"	-	-	-	-	-	-	"	"	"	Lunar Surface to Horizon Looking East Southeast
9250	-	"	-	-	-	-	-	-	"	"	"	Lunar Surface to Horizon Looking Southeast
9251	-	"	-	-	-	-	-	-	"	"	"	"
9252	-	"	-	-	-	-	-	-	"	"	"	Lunar Surface to Horizon (with LM Footpad) Looking South
9253	-	"	-	-	-	-	-	-	"	"	"	Lunar Surface to Horizon with Partial LM Looking South
9254	-	"	-	-	-	-	-	-	"	"	"	View of LM Looking Southwest
9255	-	"	-	-	-	-	-	-	"	"	"	"
9256	-	"	-	-	-	-	-	-	"	"	"	"
9257	-	"	-	-	-	-	-	-	"	"	"	Erectable Antenna Looking West
9258	-	"	-	-	-	-	-	-	"	"	"	View of LM Looking Southwest
9259	-	"	-	-	-	-	-	-	"	"	"	"
9260	-	"	-	-	-	-	-	-	"	"	"	View of LM Looking South

APOLLO 14 FRAME PHOTOGRAPHY

Magazine II AS14-66 Film S0-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9261	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	LM Descent Nozzle
9262	"	"	"	-	-	-	-	"	"	"	"	"
9263	"	"	"	-	-	-	-	"	"	"	"	LM Engine Blast Effect on Surface
9264	"	"	"	-	-	-	-	"	"	"	"	LM Footpad
9265	"	"	"	-	-	-	-	"	"	"	"	"
9266	"	"	"	-	-	-	-	"	"	"	"	LM Engine Blast Effect on Surface
9267	"	"	"	-	-	-	-	"	"	"	"	"
9268	"	"	"	-	-	-	-	"	"	"	"	"
9269	"	"	"	-	-	-	-	"	"	"	"	LM Footpad
9270	"	"	"	-	-	-	-	"	"	"	"	"
9271	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking West
9272	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking Northwest
9273	"	"	"	-	-	-	-	"	"	"	"	"
9274	"	"	"	-	-	-	-	"	"	"	"	"
9275	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking North

APOLLO 14 FRAME PHOTOGRAPHY

Magazine II AS14-66 Film SO-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9276	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	Looking North at LM
9277	"	"	"	-	-	-	-	"	"	"	"	"
9278	"	"	"	-	-	-	-	"	"	"	"	"
9279	"	"	"	-	-	-	-	"	"	"	"	"
9280	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking Northeast
9281	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface Looking East
9282	"	"	"	-	-	-	-	"	"	"	"	"
9283	"	"	"	-	-	-	-	"	"	"	"	"
9284	"	"	"	-	-	-	-	"	"	"	"	"
9285	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface Looking Southeast
9286	"	"	"	-	-	-	-	"	"	"	"	"
9287	"	"	"	-	-	-	-	"	"	"	"	"
9288	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface Looking South
9289	"	"	"	-	-	-	-	"	"	"	"	"
9290	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface Looking Southwest

APOLLO 14 FRAME PHOTOGRAPHY

Magazine II AS14-66 Film SO-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9291	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	Lunar Surface to Horizon Looking Southwest
9292	"	"	"	-	-	-	-	"	"	"	"	"
9293	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking West
9294	"	"	"	-	-	-	-	"	"	"	"	"
9295	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking Northwest
9296	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking North
9297	"	"	"	-	-	-	-	"	"	"	"	"
9298	"	"	"	-	-	-	-	"	"	"	"	"
9299	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking Northeast
9300	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking North
9301	"	"	"	-	-	-	-	"	"	"	"	Astronaut Mitchell with TV Camera Looking Northeast
9302	"	"	"	-	-	-	-	"	"	"	"	"
9303	"	"	"	-	-	-	-	"	"	"	"	View From West of LM Looking East
9304	"	"	"	-	-	-	-	"	"	"	"	"
9305	"	"	"	-	-	-	-	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine II AS14-66 Film SO-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9306	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	View from West of LM Looking East
9307	"	"	"	-	-	-	-	"	"	"	"	"
9308	"	"	"	-	-	-	-	"	"	"	"	Solar Wind Panel from Near LM Looking Northwest
9309	"	"	"	-	-	-	-	"	"	"	"	"
9310	"	"	"	-	-	-	-	"	"	"	"	"
9311	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking North
9312	"	"	"	-	-	-	-	"	"	"	"	"
9313	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking South
9314	"	"	"	-	-	-	-	"	"	"	"	"
9315	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking Southwest
9316	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking West
9317	"	"	"	-	-	-	-	"	"	"	"	View from LM Window Looking West
9318	"	"	"	-	-	-	-	"	"	"	"	"
9319	"	"	"	-	-	-	-	"	"	"	"	"
9320	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Looking West

APOLLO 14 FRAME PHOTOGRAPHY

Magazine II AS14-66 Film SO-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9321	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	Lunar Surface to Horizon Looking West
9322	"	"	"	-	-	-	-	"	"	"	"	Solar Wind Panel from LM Window Looking Southwest
9323	"	"	"	-	-	-	-	"	"	"	"	TV Camera from LM Window Looking North
9324	"	"	"	-	-	-	-	"	"	"	"	View of Flag from LM Window
9325	"	"	"	-	-	-	-	"	"	"	"	"
9326	"	"	"	-	-	-	-	"	"	"	"	Erectable Antenna from LM Window
9327	"	"	"	-	-	-	-	"	"	"	"	View of Earth from LM Window
9328	"	"	"	-	-	-	-	"	"	"	"	"
9329	"	"	"	-	-	-	-	"	"	"	"	"
9330	"	"	"	-	-	-	-	"	"	"	"	"
9331	"	"	"	-	-	-	-	"	"	"	"	"
9332	"	"	"	-	-	-	-	"	"	"	"	"
9333	"	"	"	-	-	-	-	"	"	"	"	View of ALSEP Station from LM Window
9334	"	"	"	-	-	-	-	"	"	"	"	"
9335	"	"	"	-	-	-	-	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine II AS14-66 Film SO-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9336	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	View of ALSEP Station from LM Window
9337	"	"	"	-	-	-	-	"	"	"	"	"
9338	"	"	"	-	-	-	-	"	"	"	"	"
9339	"	"	"	-	-	-	-	"	"	"	"	View of Flag, Surface to Horizon Looking NW from LM Window
9340	"	"	"	-	-	-	-	"	"	"	"	View of M.E.T. on Surface from LM Window
9341	"	"	"	-	-	-	-	"	"	"	"	TV Camera as Seen from LM Window Looking North
9342	"	"	"	-	-	-	-	"	"	"	"	Lunar Surface to Horizon Showing M.E.T. Tracks
9343	"	"	"	-	-	-	-	"	"	"	"	"
9344	"	"	"	NA	NA	NA	NA	"	"	"	NA	Rendezvous View of CSM from LM
9345	"	"	"	-	-	-	-	"	"	"	"	"
9346	"	"	"	-	-	-	-	"	"	"	"	"
9347	"	"	"	-	-	-	-	"	"	"	"	"
9348	"	"	"	-	-	-	-	"	"	"	"	"
9349	"	"	"	-	-	-	-	"	"	"	"	"
9350	"	"	"	-	-	-	-	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine II AS14 - 66 Film SO-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9351	NA	60mm	NA	NA	NA	NA	NA	NA	-	Good	NA	View of CSM During Docking Approach
9352	"	"	"	"	"	"	"	"	"	"	"	"
9353	"	"	"	"	"	"	"	"	"	"	"	"
9354	"	"	"	"	"	"	"	"	"	Fair	"	"
9355	"	"	"	"	"	"	"	"	"	"	"	"
9356	"	"	"	"	"	"	"	"	"	"	"	"
9357	"	"	"	"	"	"	"	"	"	"	"	"
9358	"	"	"	"	"	"	"	"	"	"	"	"
9359	"	"	"	"	"	"	"	"	"	"	"	"
9360	"	"	"	"	"	"	"	"	"	"	"	"
				END OF	MAGAZINE							

MAGAZINE JJ

(Frames AS14-67-9361 through 9393)

Magazine JJ consists of 70-mm color photographs taken on the lunar surface by Astronauts Shepard and Mitchell during the first EVA. A 60-mm lens with a reseau was used. Photo quality is generally good. Most of the photographs in this magazine are views showing the deployment of the ALSEP equipment with specific photographs of each individual piece of the equipment.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine JJ AS14 - 67 Film S0-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9361	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	ALSEP Station and M.E.T.
9362	"	"	"	-	-	-	-	"	"	"	"	Passive Seismic Experiment
9363	"	"	"	-	-	-	-	"	"	"	"	ALSEP and P.S.E.
9364	"	"	"	-	-	-	-	"	"	"	"	C.P.L.E.E. Package
9365	"	"	"	-	-	-	-	"	"	"	"	C.P.L.E.E., ALSEP, M.E.T.
9366	"	"	"	-	-	-	-	"	"	"	"	ALSEP Package
9367	"	"	"	-	-	-	-	"	"	"	"	M.E.T. Tracks and LM Looking East
9368	"	"	"	-	-	-	-	"	"	"	"	"
9369	"	"	"	-	-	-	-	"	"	"	"	C.P.L.E.E. Package
9370	"	"	"	-	-	-	-	"	"	"	"	"
9371	"	"	"	-	-	-	-	"	"	"	"	"
9372	"	"	"	-	-	-	-	"	"	"	"	C.P.L.E.E. and ALSEP Packages
9373	"	"	"	-	-	-	-	"	"	"	"	C.P.L.E.E. Package
9374	"	"	"	-	-	-	-	"	"	"	"	Cdr. Shepard with TV Looking South
9375	"	"	"	-	-	-	-	"	"	"	"	ALSEP Station, C.P.L.E.E.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine JJ AS14 - 67 Film S0-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9376	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	ALSEP Station, C.P.L.E.E.
9377	"	"	"	-	-	-	-	"	"	"	"	"
9378	"	"	"	-	-	-	-	"	"	"	"	ALSEP Pkg., A.S.E. Pkg.
9379	"	"	"	-	-	-	-	"	"	"	"	ALSEP Package
9380	"	"	"	-	-	-	-	"	"	"	"	"
9381	"	"	"	-	-	-	-	"	"	"	"	"
9382	"	"	"	-	-	-	-	"	"	Poor	"	ALSEP Pkg, LM Looking East
9383	"	"	"	-	-	-	-	"	"	Good	"	ALSEP Package
9384	"	"	"	-	-	-	-	"	"	"	"	ALSEP, P.S.E. Packages
9385	"	"	"	-	-	-	-	"	"	"	"	Laser Reflector
9386	"	"	"	-	-	-	-	"	"	"	"	"
9387	"	"	"	-	-	-	-	"	"	Poor	"	Laser Reflector, LM, Astronaut Looking East
9388	"	"	"	-	-	-	-	"	"	Good	"	LM Looking East Southeast
9389	"	"	"	-	-	-	-	"	"	"	"	Astronaut Mitchell, ALSEP Looking West
9390	"	"	"	"	-	-	-	"	"	"	"	Lunar Surface Close-ups

APOLLO 14 FRAME PHOTOGRAPHY

Magazine JJ AS14 - 67 Film SO-168, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9391	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	Lunar Surface Close-ups
9392	"	"	"	-	-	-	-	"	"	"	"	"
9393	"	"	"	-	-	-	-	"	"	"	"	"
					END OF	MAGAZINE						

MAGAZINE MM

(Frames AS14-68-9394 through 9492)

Magazine MM is a 60-mm focal length black and white sequence of the lunar surface during EVA 2. Several large lunar rocks were photographed during the traverse. The modular equipment transporter (M.E.T.) and resulting tracks can be seen in several sequences. One 360° panorama contains views of Old Nameless Crater with large boulders in the foreground. Numerous views of the color chart and gnomon were recorded along with the core tube sampler.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine MM AS14 - 68 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
Un-Numbered	NA	60mm	NA	-	-	NA	N	-	24°	Good	-	Half Frame. TV Camera in Initial Position from Vicinity of MESA
9394	"	"	"	-	-	"	W	-	"	"	-	Looking W from LM to ALSEP Area Showing Footprints, Rock in Distance, Astronaut Shadow
9395	"	"	"	-	-	"	"	-	"	"	-	"
9396	"	"	"	-	-	"	"	-	"	"	-	Start EVA 2, Pan 1 of Stone on Edge of Depression Footprint
9397	"	"	"	-	-	"	NW	-	"	"	-	Stone on Edge of Depression, Small Stones and Small Craters
9398	"	"	"	-	-	"	N	-	"	"	-	2 Large Stones Near Depression, Small Stones and Craters
9399	"	"	"	-	-	"	"	-	"	"	-	Closer View Showing 3 Small Craters, Small Rock & Texture
9400	"	"	"	-	-	"	"	-	"	"	-	2 Small Craters, Larger Crater with Smaller Crater Inside, Small Rocks
9401	"	"	"	-	-	"	NE	-	"	"	-	Crater with Smaller Crater Inside
9402	"	"	"	-	-	"	E	-	"	"	-	Look into Sun, Small Rocks Stand Out
9403	"	"	"	-	-	"	SE	-	"	"	-	Stone Stands Out Against Surface
9404	"	"	"	-	-	"	S	-	"	"	-	Astronaut and M.E.T.
9405	"	"	"	-	-	"	"	-	"	"	-	M.E.T. and Astronaut Closer View, Continued Pan
9406	"	"	"	-	-	"	SW	-	"	"	-	M.E.T. Track and Footprints
9407	"	"	"	-	-	"	"	-	"	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine MM AS14 - 68 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9408	NA	60mm	NA	-	-	NA	SW	-	24°	Good	-	LM on Horizon, M.E.T. Tracks Back to LM End Pan
9409	"	"	"	-	-	"	"	-	"	"	-	LM on Horizon. M.E.T., Color Chart, Gnomon
9410	"	"	"	-	-	"	NW	-	"	"	-	Color Chart, Gnomon, and Footprints
9411	"	"	"	-	-	"	"	-	"	"	-	"
9412	"	"	"	-	-	"	"	-	"	"	-	"
9413	"	"	"	-	-	"	SW	-	"	"	-	Color Chart & Gnomon with LM on Horizon and M.E.T. Trail
9414	"	"	"	-	-	"	N	-	"	"	-	Shepard Examining Large Rock
9415	"	"	"	-	-	"	W	-	"	"	-	Looking West, Start Pan 2
9416	"	"	"	-	-	"	"	-	"	"	-	Rocks on Edge of Shallow Depression
9417	"	"	"	-	-	"	NW	-	"	"	-	Large Rock with Other Large Rocks in Background
9418	"	"	"	-	-	"	N	-	"	"	-	Shallow Craters and Large Rocks
9419	"	"	"	-	-	"	NE	-	"	"	-	Large Rock on Slope, Small Rocks Scattered Over Area
9420	"	"	"	-	-	"	"	-	"	"	-	"
9421	"	"	"	-	-	"	E	-	"	"	-	Small Rocks and Shallow Depressions, Large Rock
9422	"	"	"	-	-	"	"	-	"	"	-	Astronaut Pulling M.E.T., Small Crater, M.E.T. Tracks

APOLLO 14 FRAME PHOTOGRAPHY

Magazine MM AS14-68 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9423	NA	60mm	NA	-	-	NA	SE	-	24°	Good	-	Small Craters, M.E.T. Tracks and Small Rocks
9424	"	"	"	-	-	"	"	-	"	"	-	Small Crater, M.E.T. Tracks, Large Shallow Crater Near Horizon
9425	"	"	"	-	-	"	S	-	"	"	-	Crater "Old Nameless" on Horizon, Smaller Craters, Large Rocks
9426	"	"	"	-	-	"	"	-	"	"	-	"Old Nameless" on Horizon, Smaller Craters
9427	"	"	"	-	-	"	SW	-	"	"	-	"
9428	"	"	"	-	-	"	"	-	"	"	-	Flat Rock Formation Near Crater
9429	"	"	"	-	-	"	"	-	"	"	-	"
9430	"	"	"	-	-	"	W	-	"	"	-	Boulder and Large Rocks Near Crater
9431	"	"	"	-	-	"	NW	-	"	"	-	Crater Near Ridge, Large Rocks
9432	"	"	"	-	-	"	"	-	"	"	-	Large Stones, Boulders on Slope Near Mound & Crater. End Pan
9433	"	"	"	-	-	"	N	-	"	"	-	Large Rocks, Mound with Large Rocks in Top & Sides. Start Pan 3
9434	"	"	"	-	-	"	NE	-	"	"	-	Small Craters, Boulders Near Horizon
9435	"	"	"	-	-	"	"	-	"	"	-	Boulder Near Horizon
9436	"	"	"	-	-	"	E	-	"	"	-	Large Rocks Looking into Sun
9437	"	"	"	-	-	"	"	-	"	"	-	Large Rocks

APOLLO 14 FRAME PHOTOGRAPHY

Magazine MM AS14-68 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9438	NA	60mm	NA	-	-	NA	SE	-	24°	Good	-	Rolling Surface with Small Craters & Rocks. Footprints
9439	"	"	"	-	-	"	"	-	"	"	-	M.E.T. Near Rim of Depression
9440	"	"	"	-	-	"	S	-	"	"	-	Old Nameless on Horizon
9441	"	"	"	-	-	"	"	-	"	"	-	"
9442	"	"	"	-	-	"	SW	-	"	"	-	M.E.T. Tracks, Boulders, LM in Distance, End Pan
9443	"	"	"	-	-	"	N	-	"	"	-	Color Chart & Gnomon in Edge of Boulder Field
9444	"	"	"	-	-	"	"	-	"	"	-	"
9445	"	"	"	-	-	"	NW	-	"	"	-	Cracked Boulder on Ridge
9446	"	"	"	-	-	"	N	-	"	"	-	Boulder Field
9447	"	"	"	-	-	"	SW	-	"	"	-	Looking SW From Ridge
9448	"	"	"	-	-	"	"	-	"	"	-	Boulders
9449	"	"	"	-	-	"	"	-	"	"	-	"
9450	"	"	"	-	-	"	W	-	"	"	-	Large Rock Formation
9451	"	"	"	-	-	"	N	-	"	"	-	Large Boulders Overlooking Boulder Field
9452	"	"	"	-	-	"	NW	-	"	"	-	Boulder Formation

APOLLO 14 FRAME PHOTOGRAPHY

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Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9453	NA	60mm	NA	-	-	NA	W	-	24°	Good	-	Boulder Formation
9454	"	"	"	-	-	"	N	-	"	"	-	Core Tube Inserted in Surface Large Shallow Depression
9455	"	"	"	-	-	"	"	-	"	"	-	"
9456	"	"	"	-	-	"	"	-	"	"	-	"
9457	"	"	"	-	-	"	"	-	"	"	-	"
9458	"	"	"	-	-	"	"	-	"	"	-	"
9459	"	"	"	-	-	"	W	-	"	"	-	Color Chart & Gnomon. Large Boulders on Horizon to West
9460	"	"	"	-	-	"	SW	-	"	"	-	Color Chart and Gnomon
9461	"	"	"	-	-	"	"	-	"	"	-	"
9462	"	"	"	-	-	"	"	-	"	"	-	"
9463	"	"	"	-	-	"	"	-	"	"	-	"
9464	"	"	"	-	-	"	"	-	"	"	-	"
9465	"	"	"	-	-	"	N	-	"	"	-	"
9466	"	"	"	-	-	"	"	-	"	"	-	"
9467	"	"	"	-	-	"	"	-	"	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine MM AS14-68 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9468	NA	60mm	NA	-	-	NA	N	-	24°	Good	-	Large Rocks
9469	"	"	"	-	-	"	NE	-	"	"	-	"
9470	"	"	"	-	-	"	"	-	"	"	-	"
9471	"	"	"	-	-	"	"	-	"	"	-	"
9472	"	"	"	-	-	"	N	-	"	"	-	Large Rock, Start Pan 4
9473	"	"	"	-	-	"	"	-	"	"	-	"
9474	"	"	"	-	-	"	"	-	"	"	-	"
9475	"	"	"	-	-	"	NW	-	"	"	-	"
9476	"	"	"	-	-	"	"	-	"	"	-	"
9477	"	"	"	-	-	"	W	-	"	"	-	ALSEP Area in Distance, Break in Pan
9478	"	"	"	-	-	"	NW	-	"	"	-	Large Rock, Continuous Pan
9479	"	"	"	-	-	"	"	-	"	"	-	"
9480	"	"	"	-	-	"	N	-	"	"	-	Large Crater Near Horizon
9481	"	"	"	-	-	"	"	-	"	"	-	"
9482	"	"	"	-	-	"	NE	-	"	"	-	Large Rocks

APOLLO 14 FRAME PHOTOGRAPHY

Magazine MM AS14-68 Film SO-267, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9483	NA	60mm	NA	-	-	NA	NE	-	24°	Good	-	Large Rocks, Ridge Line
9484	"	"	"	-	-	"	E	-	"	"	-	"
9485	"	"	"	-	-	"	"	-	"	"	-	"
9486	"	"	"	-	-	"	SE	-	"	"	-	LM with Triplet in Background with Astronaut
9487	"	"	"	-	-	"	"	-	"	"	-	LM with Triplet in Background with Astronaut. End Pan
9488	"	"	"	-	-	"	S	-	"	"	-	Looking SE Toward Triplet. Start Pan
9489	"	"	"	-	-	"	SE	-	"	"	-	Shallow Crater on Ridge
9490	"	"	"	-	-	"	S	-	"	"	-	Double Shallow Craters on Ridge
9491	"	"	"	-	-	"	"	-	"	"	-	Shallow Crater with ALSEP in Distance
9492	"	"	"	-	-	"	"	-	"	"	-	S-Band Antenna
				END OF	MAGAZINE							

MAGAZINE P

(Frames AS14-69-9493 through 9656)

Magazine P is a 500-mm black and white strip, which includes three photographic passes of the Descartes landing area.

Frames 9497 to 9535 are oblique to vertical to oblique, and they are of good quality over the site. This sequence was taken on revolution 27 at a 58° sun angle. Surface recognition limits are approximately 20 meters on the vertical frames.

Frames 9536 through 9575 include the same coverage as above and were taken on revolution 28. Frames 9576 and 9577 are opportunity shots on Fra Mauro H and HA and of 14-1, 14-2, 14-3, and 14-4, which are landmark tracking points. Frames 9579 through 9615 show the third oblique to vertical pass of Descartes on revolution 30 with a 59° sun angle. Frames 9616 through 9620 are westward looking high obliques of Lansberg B, D, and F, and frames 9622 through 9656 include an oblique to vertical sequence of Lansberg B at low sun angle.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine P AS14 - 69 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9493	TLI	500mm	-	-	-	-	-	-	0°	Poor	-	Four-Frame Sequence of Lunar Limb Crescent
9494	"	"	-	-	-	-	-	-	"	"	-	Limb Crescent
9495	"	"	-	-	-	-	-	-	"	"	-	"
9496	"	"	-	-	-	-	-	-	"	"	-	"
9497	27	"	1:222,000	9.0°S	19.5°E	0-10	280°	0	58°	Fair	78	Approach to Descartes DE-2
9498	"	"	1:250,000	"	19.0°E	30°	"	50%	"	"	"	Approach to Descartes 1st 500-mm Pass
9499	"	"	"	"	"	"	"	"	"	"	"	"
9500	"	"	"	"	18.5°E	"	"	"	"	"	"	"
9501	"	"	"	"	"	"	"	"	"	"	"	"
9502	"	"	1:240,000	"	17.5°E	20°	"	"	"	"	"	"
9503	"	"	"	"	"	"	"	"	"	"	"	"
9504	"	"	1:230,000	"	17.0°E	"	"	"	"	"	"	"
9505	"	"	"	"	"	"	"	"	"	"	"	"
9506	"	"	1:225,000	"	16.5°E	"	"	"	"	"	"	"
9507	"	"	"	"	"	"	"	"	"	"	"	Oblique View of Descartes Landing Site

APOLLO 14 FRAME PHOTOGRAPHY

Magazine P AS14-69 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9508	27	500mm	1:225,000	9.0°S	16.5°E	20°	280°	50%	58°	Fair	78	Oblique View of Descartes Landing Site
9509	"	"	"	"	15.5°E	"	"	"	"	"	"	"
9510	"	"	"	"	"	15°	"	90%	"	"	"	"
9511	"	"	"	"	"	"	"	"	"	"	"	"
9512	"	"	"	"	"	"	"	"	"	"	"	"
9513	"	"	"	"	"	"	"	"	"	"	"	"
9514	"	"	"	"	"	10°	"	"	"	"	"	"
9515	"	"	1:222,000	"	"	"	"	"	"	Good	"	"
9516	"	"	"	"	"	0-10°	"	100%	"	"	"	Near Vertical of Descartes Landing Site
9517	"	"	"	"	"	"	"	"	"	"	"	"
9518	"	"	"	"	"	0°	0°	"	"	"	"	Vertical View of Descartes Landing Site
9519	"	"	"	"	"	"	"	"	"	"	"	"
9520	"	"	"	"	"	"	"	"	"	"	"	"
9521	"	"	"	"	"	"	"	"	"	"	"	"
9522	"	"	"	"	"	"	"	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine P AS14 - 69 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9523	27	500mm	1:222,000	9.0°S	15.5°E	0°	0°	100%	58°	Good	78	Vertical View of Descartes Landing Site
9524	"	"	"	"	"	"	"	"	"	"	"	"
9525	"	"	"	"	"	"	"	"	"	"	"	"
9526	"	"	"	"	"	0-10°	100°	"	"	"	"	Near Vertical of Descartes Landing Site
9527	"	"	"	"	"	"	"	"	"	"	"	"
9528	"	"	"	"	"	"	"	"	"	"	"	"
9529	"	"	"	"	"	10°	"	95%	"	"	"	"
9530	"	"	1:225,000	"	"	"	"	"	"	"	"	Oblique View of Descartes Landing Site
9531	"	"	"	"	"	"	"	"	"	"	"	"
9532	"	"	"	"	"	15°	"	"	"	"	"	"
9533	"	"	"	"	"	"	"	"	"	"	"	"
9534	"	"	1:240,000	"	"	20°	"	"	"	"	"	"
9535	"	"	"	"	"	"	"	"	"	"	"	End of 1st 500-mm Pass over Descartes Landing Site
9536	28	"	1:250,000	9.0°S	19.0°E	30°	280°	50%	59°	Fair	78	Approach to Descartes 2nd 500-mm Pass
9537	"	"	"	"	"	"	"	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine P AS14 - 69 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9538	28	500mm	1:250,000	9.0°S	18.5°E	30°	280°	50%	59°	Fair	78	Approach to Descartes 2nd 500-mm Pass
9539	"	"	"	"	"	"	"	"	"	"	"	"
9540	"	"	"	"	18.0°E	"	"	"	"	"	"	"
9541	"	"	"	"	"	"	"	"	"	"	"	"
9542	"	"	1:240,000	"	17.5°E	"	"	"	"	"	"	"
9543	"	"	"	"	"	"	"	"	"	"	"	"
9544	"	"	1:230,000	"	16.5°E	25°	"	"	"	"	"	"
9545	"	"	"	"	"	"	"	"	"	"	"	Oblique View of Descartes Landing Site
9546	"	"	"	"	"	"	"	"	"	"	"	"
9547	"	"	"	"	16.0°E	"	"	90%	"	"	"	"
9548	"	"	1:225,000	"	15.5°E	20°	"	"	"	Good	"	"
9549	"	"	"	"	"	"	"	"	"	"	"	"
9550	"	"	"	"	"	10°	"	"	"	"	"	Near Vertical View of Descartes Landing Site
9551	"	"	"	"	"	"	"	"	"	"	"	"
9552	"	"	"	"	"	"	"	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine P AS14-69 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9553	28	500mm	1:225,000	9.0°S	15.5°E	0-10°	280°	90%	59°	Good	78	Near Vertical View of Descartes Landing Site
9554	"	"	"	"	"	"	"	"	"	"	"	"
9555	"	"	1:222,000	"	"	"	"	95%	"	"	"	"
9556	"	"	"	"	"	"	"	"	"	"	"	"
9557	"	"	"	"	"	"	"	"	"	"	"	"
9558	"	"	"	"	"	0°	0°	"	"	"	"	Vertical View of Descartes Landing Site
9559	"	"	"	"	"	"	"	"	"	"	"	"
9560	"	"	"	"	"	"	"	"	"	"	"	"
9561	"	"	"	"	"	"	"	"	"	"	"	"
9562	"	"	"	"	"	"	"	"	"	"	"	"
9563	"	"	"	"	"	"	"	"	"	"	"	"
9564	"	"	"	"	"	"	"	"	"	"	"	"
9565	"	"	"	"	"	"	"	"	"	"	"	"
9566	"	"	"	"	"	"	"	"	"	"	"	"
9567	"	"	"	"	"	0-10°	100°	"	"	"	"	Near Vertical View of Descartes Landing Site

APOLLO 14 FRAME PHOTOGRAPHY

Magazine P AS14 - 69 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9568	28	500mm	1:222,000	9.0°S	15.5°E	0-10°	100°	95%	59°	Good	78	Near Vertical View of Descartes Landing Site
9569	"	"	"	"	"	"	"	"	"	"	"	"
9570	"	"	"	"	"	"	"	90%	"	"	"	"
9571	"	"	1:230,000	"	"	"	"	"	"	"	"	"
9572	"	"	"	"	"	20°	"	"	"	"	"	Oblique View of Descartes Looking East
9573	"	"	1:240,000	"	"	"	"	"	"	"	"	"
9574	"	"	"	"	"	"	"	"	"	"	"	"
9575	"	"	"	"	"	"	"	"	"	"	"	"
9576	"	"	1:300,000	4.0°S	15.0°W	40°	110°	0%	27%	"	76	Oblique View of Fra Mauro H and HA
9577	"	"	"	1.0°S	14.0°W	40°	75°	0%	"	"	"	Oblique View of Eastern Fra Mauro Highlands
9578	30	"	1:222,000	9.5°S	19.5°E	0°	0°	"	59°	Poor	78	Approximate Area of DE-2 4° E of Descartes Landing Site
9579	"	"	1:240,000	"	19.0°E	20°	280°	50%	"	Fair	"	Oblique Sequence Just Prior to Descartes
9580	"	"	"	"	18.5°E	"	"	"	"	"	"	"
9581	"	"	"	"	"	"	"	"	"	"	"	"
9582	"	"	"	"	"	"	"	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine P A514 - 69 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9583	30	500mm	1:240,000	9.5°S	18.0°E	20°	280°	50%	59°	Fair	78	Oblique Sequence Just Prior to Descartes
9584	"	"	1:230,000	"	"	"	"	"	"	"	"	"
9585	"	"	"	"	17.5°E	"	"	"	"	"	"	Oblique Sequence Just Prior to Descartes Landing Site
9586	"	"	"	"	16.5°E	"	"	"	"	"	"	"
9587	"	"	"	"	"	"	"	"	"	"	"	"
9588	"	"	1:225,000	"	16.0°E	"	"	"	"	"	"	"
9589	"	"	"	"	15.5°E	"	"	90%	"	Good	"	Oblique View Into Descartes Landing Site
9590	"	"	"	"	"	"	"	"	"	"	"	"
9591	"	"	"	"	"	15°	"	"	"	"	"	"
9592	"	"	"	"	"	"	"	"	"	"	"	"
9593	"	"	"	"	"	"	"	"	"	"	"	"
9594	"	"	"	"	"	"	"	"	"	"	"	"
9595	"	"	"	9.0°S	"	10°	"	"	"	"	"	Near Vertical Sequence of Descartes Landing Site
9596	"	"	1:222,000	"	"	"	"	"	"	"	"	"
9597	"	"	"	"	"	"	"	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine P AS14 - 69 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9598	30	500mm	1:222,000	9.0°S	15.5°E	0-5°	280°	90%	59°	Good	78	Vertical Sequence of Descartes Landing Site
9599	"	"	"	"	"	"	"	"	"	"	"	"
9600	"	"	"	"	"	0°	0°	100%	"	"	"	"
9601	"	"	"	"	"	"	"	"	"	"	"	"
9602	"	"	"	"	"	"	"	"	"	"	"	"
9603	"	"	"	"	"	"	"	"	"	"	"	"
9604	"	"	"	"	"	"	"	"	"	"	"	"
9605	"	"	"	"	"	"	"	"	"	"	"	"
9606	"	"	1:225,000	"	"	0-10°	100°	"	"	"	"	Near Vertical Strip of Descartes Landing Site
9607	"	"	"	"	"	"	"	"	"	"	"	"
9608	"	"	"	"	"	"	"	"	"	"	"	"
9609	"	"	"	"	"	"	"	"	"	"	"	"
9610	"	"	1:250,000	"	"	10-20°	"	"	"	"	"	Oblique View of Descartes Landing Site Looking East
9611	"	"	"	"	"	"	"	"	"	"	"	"
9612	"	"	"	"	"	20-30°	"	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine P AS14-69 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9613	30	500mm	1:250,000	9.0°S	15.5°E	0°	0°	100%	59°	Good	78	Oblique View of Descartes Landing Site Looking East
9614	"	"	"	"	"	"	"	"	"	"	"	"
9615	"	"	"	"	"	30°	100°	95%	"	"	"	"
9616	"	"	-	2.5°S	29.5°W	50°	270°	90%	14°	Fair	76	West Looking, High Oblique Sequence of Lansberg B & D
9617	"	"	-	"	"	"	"	"	"	"	"	"
9618	"	"	-	"	"	"	"	"	"	"	"	"
9619	"	"	-	"	"	"	"	"	"	"	"	"
9620	"	"	-	"	"	"	"	"	"	"	"	"
9621	"	"	1:222,000	-	-	0°	-	-	20°	"	"	Fra Mauro Highlands
9622	"	"	1:250,000	3.5°S	25.0°W	30°	285°	50%	21°	Good	"	Highlands to the South of Lansberg Crater
9623	"	"	"	"	"	"	"	"	"	"	"	"
9624	"	"	"	3.0°S	26.5°W	"	"	"	"	"	"	"
9625	"	"	"	"	27.0°W	"	"	"	"	"	"	"
9626	"	"	"	"	27.5°W	"	"	80%	"	"	"	"
9627	"	"	"	"	28.0°W	"	"	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine P AS14 - 69 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9628	30	500mm	1:250,000	3.0°S	28.0°W	30°	285°	80%	21°	Good	76	Highlands to the South of Lansberg Crater
9629	"	"	"	"	"	"	"	"	"	"	"	"
9630	"	"	"	"	"	20°	"	50%	"	"	"	Oblique Approach to Lansberg B
9631	"	"	"	"	"	"	"	"	"	"	"	"
9632	"	"	"	"	"	"	"	80%	"	"	"	"
9633	"	"	1:230,000	"	"	15°	"	"	"	"	"	"
9634	"	"	"	"	"	"	"	100%	"	"	"	"
9635	"	"	"	"	"	"	"	"	"	"	"	"
9636	"	"	"	"	"	"	"	"	"	"	"	"
9637	"	"	1:222,000	2.5°S	"	10°	"	"	"	"	"	Near Vertical Sequence of Lansberg B
9638	"	"	"	"	"	"	"	"	"	"	"	"
9639	"	"	"	"	"	"	"	"	"	"	"	"
9640	"	"	"	"	"	0-10°	"	"	"	"	"	"
9641	"	"	"	"	"	"	"	"	"	"	"	Vertical View of Lansberg B
9642	"	"	"	"	"	"	"	"	"	"	"	"

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Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9643	30	500mm	1:222,000	2.5°S	28.0°W	0-10°	285°	100%	21°	Good	76	Vertical View of Lansberg B
9644	"	"	"	"	"	"	"	"	"	"	"	"
9645	"	"	"	"	"	0°	0°	"	"	"	"	"
9646	"	"	"	"	"	"	"	"	"	"	"	"
9647	"	"	"	"	"	"	"	"	"	"	"	"
9648	"	"	"	"	"	0-10°	105°	"	"	"	"	Near Vertical View of Lansberg B
9649	"	"	"	"	"	"	"	"	"	"	"	"
9650	"	"	"	"	"	"	"	"	"	"	"	"
9651	"	"	"	"	"	"	"	"	"	"	"	"
9652	"	"	"	"	"	10°	"	"	"	"	"	"
9653	"	"	"	"	"	"	"	"	"	"	"	"
9654	"	"	"	"	"	15°	"	"	"	"	"	Low Oblique of Lansberg B
9655	"	"	"	"	"	"	"	"	"	"	"	"
9656	"	"	"	"	"	20°	"	"	"	"	"	"
				END OF	MAGAZINE							

MAGAZINE Q

(Frames AS14-70-9657 through 9840)

Magazine Q is a continuous vertical 70-mm stereo strip taken with the 80-mm lens reseau camera on 3400 BW film. The overall quality of the magazine is good although several very dark sequences occur.

Frames 9657 through 9840 were taken from 135°E to 30°W and include such prominent lunar craters as Pasteur, Ansgarius, Langrenus, Madler, Theophilus, Herschel, Lalande, and Lansberg.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine Q AS14- 70 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9657	26	80mm	1:1,380,000	4.5°S	135.0°E	VERTICAL		50	5°	Dark	84	Crater East of Crater Prager
9658	"	"	"	"	"	"	"	"	"	"	"	"
9659	"	"	"	"	134.0°E	"	"	"	6°	"	"	"
9660	"	"	"	"	133.0°E	"	"	"	"	"	"	East Edge of Prager
9661	"	"	"	"	132.0°E	"	"	"	8°	"	"	Crater Prager
9662	"	"	"	4.0°S	131.0°E	"	"	"	"	"	"	"
9663	"	"	"	"	130.0°E	"	"	"	10°	"	"	Craters Prager and Love
9664	"	"	"	"	129.5°E	"	"	"	"	"	"	"
9665	"	"	"	4.5°S	128.5°E	"	"	"	12°	"	83	Crater Chain E of Crater Prager
9666	"	"	"	"	128.0°E	"	"	"	"	"	"	Crater Chain on Rim of Crater Love
9667	"	"	"	"	127.0°E	"	"	"	14°	"	"	"
9668	"	"	"	"	126.0°E	"	"	"	"	"	"	Highland Area on NW Side of Crater Love
9669	"	"	"	"	125.0°E	"	"	"	15°	"	"	South of Crater Becvar
9670	"	"	"	5.5°S	124.0°E	"	"	"	"	"	"	"
9671	"	"	"	"	123.0°E	"	"	"	17°	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine Q AS14-70 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9672	26	80mm	1:1,380,000	6.0°S	122.0°E	VERTICAL		60	18°	Dark	83	North of Craters Langemak and Danjon
9673	"	"	"	"	121.0°E	"	"	"	20°	"	"	"
9674	"	"	"	"	120.0°E	"	"	"	"	"	"	North of Crater Langemak and South of Becvar
9675	"	"	"	"	119.5°E	"	"	"	21°	"	"	"
9676	"	"	"	6.5°S	118.5°E	"	"	"	"	"	"	"
9677	"	"	"	"	117.5°E	"	"	"	22°	"	"	Northwest of Langemak Southeast of Vesalius
9678	"	"	"	"	116.5°E	"	"	"	"	"	"	"
9679	"	"	"	"	116.0°E	"	"	"	"	"	"	South of Vesalius Crater and North of Meitner
9680	"	"	"	7.0°S	115.0°E	"	"	"	26°	"	"	"
9681	"	"	"	"	114.0°E	"	"	"	"	"	"	"
9682	"	"	"	7.5°S	113.0°E	"	"	"	28°	"	"	"
9683	"	"	"	"	112.0°E	"	"	"	"	"	"	North of Meitner Crater and South of Buisson
9684	"	"	"	"	111.5°E	"	"	"	"	Fair	"	Southeast of Einthoven Crater
9685	"	"	"	"	111.0°E	"	"	"	30°	"	"	"
9686	"	"	"	"	109.0°E	"	"	"	"	"	"	On NE Rim of Pasteur Crater

APOLLO 14 FRAME PHOTOGRAPHY

Magazine Q AS14 - 70 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9687	26	80mm	1:1,380,000	8.0°S	109.0°E	VERTICAL		100	30°	Fair Dark	82 83	NE Rim of Pasteur Crater
9688	"	"	"	"	108.0°E	"	"	60	36°	"	"	"
9689	"	"	"	"	107.0°E	"	"	"	"	"	"	"
9690	"	"	"	"	106.5°E	"	"	"	34°	"	82	"
9691	"	"	"	8.5°S	105.5°E	"	"	"	"	"	"	"
9692	"	"	"	"	104.5°E	"	"	"	36°	"	"	On North Rim of Pasteur Crater
9693	"	"	"	"	103.0°E	"	"	"	"	"	"	"
9694	"	"	"	9.0°S	102.5°E	"	"	"	38°	"	"	"
9695	"	"	"	"	101.0°E	"	"	"	"	"	"	"
9696	"	"	"	9.0°S	100.0°E	"	"	"	40°	"	"	NW Rim of Pasteur Crater
9697	"	"	"	9.5°S	99.0°E	"	"	"	"	"	"	"
9698	"	"	"	"	98.0°E	"	"	"	42°	"	"	"
9699	"	"	"	"	97.0°E	"	"	"	"	Good	"	Western Rim of Pasteur Crater and Crater Gansky
9700	"	"	"	"	96.0°E	"	"	"	44°	"	"	"
9701	"	"	"	"	95.0°E	"	"	"	"	"	"	"

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9702	26	80mm	1:1,380,000	10.0°S	94.0°E	VERTICAL		60	46°	Good	82	Between Craters Brunner and Gansky
9703	"	"	"	"	93.0°E	"	"	"	"	"	"	Between Craters Brunner and Gansky, and Sea of Hirayama
9704	"	"	"	"	92.0°E	"	"	"	48°	"	"	Craters Brunner and Hirayama
9705	"	"	"	"	91.0°E	"	"	"	"	"	"	"
9706	"	"	"	10.5°S	90.0°E	"	"	"	50°	"	"	Crater Brunner South of Mare Smythii
9707	"	"	"	"	"	"	"	"	"	"	"	"
9708	"	"	"	"	89.0°E	"	"	50	52°	"	81	West of Brunner South of Mare Smythii
9709	"	"	"	"	88.0°E	"	"	"	"	"	"	"
9710	"	"	"	"	87.0°E	"	"	60	54°	"	"	"
9711	"	"	"	11.0°S	86.0°E	"	"	"	"	"	"	"
9712	"	"	"	"	85.0°E	"	"	"	56°	"	"	West of Ansgarius and South of Mare Smythii
9713	"	"	"	"	84.0°E	"	"	"	"	"	"	"
9714	"	"	"	"	83.0°E	"	"	"	58°	"	"	"
9715	"	"	"	10.5°S	83.5°E	"	"	"	"	"	"	Crater Ansgarius "N"
9716	"	"	"	"	"	"	"	"	"	"	"	"

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Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9717	26	80mm	1:1,380,000	10.5°S	81.5°E	VERTICAL		60	62°	Good	81	Craters Ansgarius and Ansgarius N
9718	"	"	"	"	80.5°E	"	"	"	"	"	"	Craters Ansgarius and Ansgarius N and La Perouse E
9719	"	"	"	11.0°S	79.5°E	"	"	"	64°	"	"	Craters Ansgarius and Ansgarius M and La Perouse E
9720	"	"	"	"	78.5°E	"	"	"	"	"	"	"
9721	"	"	"	"	77.5°E	"	"	"	66°	"	"	Craters Ansgarius, La Perouse E and La Perouse
9722	"	"	"	"	76.0°E	"	"	50	"	"	"	Crater La Perouse
9723	"	"	"	11.5°S	75.5°E	"	"	65	68°	"	"	"
9724	"	"	"	12.0°S	74.5°E	"	"	"	"	"	"	"
9725	"	"	"	"	73.5°E	"	"	50	70°	"	"	Between La Perouse and Kapteyn Craters
9726	"	"	"	"	"	"	"	"	"	"	"	"
9727	"	"	"	"	72.0°E	"	"	"	72°	"	"	Crater Kapteyn
9728	"	"	"	"	71.5°E	"	"	70	"	"	"	"
9729	"	"	"	"	70.5°E	"	"	55	74°	"	"	"
9730	"	"	"	"	69.0°E	"	"	"	"	"	80	SE of Crater Kapteyn
9731	"	"	"	"	68.0°E	"	"	"	76°	"	"	South Rim of Langrenus A

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9732	26	80mm	1:1,380,000	12.0°S	66.5°E	VERTICAL		40	78°	Good	80	South Rim of Langrenus A
9733	"	"	"	11.5°S	65.5°E	"	"	60	"	"	"	Southwest Rim of Langrenus A
9734	"	"	"	"	65.0°E	"	"	70	80°	"	"	East Rim of Langrenus P
9735	"	"	"	12.0°S	64.0°E	"	"	60	"	"	"	"
9736	"	"	"	"	63.0°E	"	"	55	82°	"	"	Langrenus P
9737	"	"	"	"	62.0°E	"	"	70	"	"	"	Langrenus and Langrenus P
9738	"	"	"	"	61.0°E	"	"	"	84°	"	"	South Rim of Langrenus and North Rim of Crater Lohse
9739	"	"	"	"	60.0°E	"	"	55	"	"	"	"
9740	"	"	"	"	58.5°E	"	"	"	86°	"	"	Southwest of Langrenus on East Edge of Mare Fecunditatis
9741	"	"	"	"	57.5°E	"	"	60	"	"	"	"
9742	"	"	"	"	56.5°E	"	"	"	88°	"	"	South of Langrenus D
9743	"	"	"	"	"	"	"	"	"	"	"	"
9744	"	"	"	"	55.8°E	"	"	"	90°	"	"	Mare Fecunditatis
9745	"	"	"	"	55.0°E	"	"	"	"	"	"	"
9746	"	"	"	"	54.0°E	"	"	"	88°	"	"	"

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9747	26	80mm	1:1,380,000	12.0°S	53.0°E	VERTICAL		60	88°	Fair	80	Mare Fecunditatis
9748	"	"	"	11.5°S	52.5°E	"	"	"	"	"	"	"
9749	"	"	"	"	51.5°E	"	"	"	86°	"	"	"
9750	"	"	"	"	50.5°E	"	"	"	"	"	79	Crater Crozier
9751	"	"	"	"	49.5°E	"	"	"	84°	"	"	Crater Bellot
9752	"	"	"	"	48.5°E	"	"	"	"	"	"	"
9753	"	"	"	"	47.5°E	"	"	"	82°	"	"	"
9754	"	"	"	"	46.5°E	"	"	"	"	"	"	Crater Magelhaens A
9755	"	"	"	"	45.0°E	"	"	"	80°	"	"	"
9756	"	"	"	"	44.5°E	"	"	"	"	Good	"	Crater Magelhaens and Gutenberg D
9757	"	"	"	"	43.5°E	"	"	"	78°	"	"	"
9758	"	"	"	"	42.0°E	"	"	"	"	"	"	Crater Gutenberg D Pyrenees Mountain Range
9759	"	"	"	"	41.0°E	"	"	"	76°	"	"	Pyrenees Mountain Range
9760	"	"	"	"	40.0°E	"	"	"	"	"	"	"
9761	"	"	"	11°S	39.0°E	"	"	"	74°	"	"	Craters Gaudibert and Gaudibert A and B

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				Lat.	Long.	Angle	Azimuth					
9762	26	80mm	1:1,380,000	11°S	38.0°E	VERTICAL		60	74°	Good	79	Craters Gaudibert and Gaudibert A and B
9763	"	"	"	"	37.0°E	"	"	"	"	"	"	"
9764	"	"	"	"	36.0°E	"	"	"	"	"	"	Mare Nectaris, Crater Daguerre
9765	"	"	"	"	35.0°E	"	"	"	"	"	"	"
9766	"	"	"	"	34.0°E	"	"	"	"	"	"	"
9767	"	"	"	"	33.0°E	"	"	"	73°	"	"	"
9768	"	"	"	"	32.0°E	"	"	"	"	"	"	"
9769	"	"	"	10.5°S	31.0°E	"	"	"	"	"	"	Crater Madler
9770	"	"	"	10.0°S	30.0°E	"	"	"	70°	"	"	"
9771	"	"	"	"	29.0°E	"	"	"	"	"	78	Craters Madler and Theophilus
9772	"	"	"	"	28.0°E	"	"	"	68°	"	"	Crater Theophilus
9773	"	"	"	"	26.5°E	"	"	50	"	"	"	"
9774	"	"	"	"	26.0°E	"	"	80	66°	"	"	"
9775	"	"	"	"	25.0°E	"	"	60	"	"	"	"
9776	"	"	"	"	23.5°E	"	"	"	64°	"	"	"

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9777	26	80mm	1:1,380,000	9.5°S	23.0°E	VERTICAL		70	63°	Good	78	Northeast Rim of Theophilus
9778	"	"	"	"	22.0°E	"	"	60	"	"	"	Crater Kant
9779	"	"	"	"	21.0°E	"	"	"	"	"	"	"
9780	"	"	"	"	20.0°E	"	"	"	60°	"	"	"
9781	"	"	"	"	19.0°E	"	"	"	"	"	"	Crater Kant and Crater Zollner
9782	"	"	"	9.0°S	18.0°E	"	"	"	"	"	"	Crater Zollner
9783	"	"	"	"	17.0°E	"	"	"	"	"	"	Approach to Descartes Landing Site
9784	"	"	"	8.5°S	15.5°E	"	"	"	55°	"	"	Descartes Landing Site
9785	"	"	"	"	15.0°E	"	"	"	"	"	"	Crater Dollond B
9786	"	"	"	8.5°S	14.0°E	"	"	"	"	"	"	Craters Dollond B and C
9787	"	"	"	8.0°S	13.0°E	"	"	"	"	"	"	"
9788	"	"	"	"	12.0°E	"	"	"	"	"	"	Crater Dollond C
9789	"	"	"	"	11.0°E	"	"	"	"	"	"	Craters Andel F, J, and H
9790	"	"	"	7.5°S	10.0°E	"	"	"	50°	"	77	Craters Andel B and Hipparchus L
9791	"	"	"	"	9.0°E	"	"	"	"	"	"	Craters Hipparchus L and C Crater Hind

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9792	26	80mm	1:1,380,000	7.5°S	8.0°E	VERTICAL		60	48°	Good	77	Craters Hipparchus C and L and Hind
9793	"	"	"	7.0°S	7.0°E	"	"	"	"	"	"	Craters Hipparchus C and Hind
9794	"	"	"	"	6.0°E	"	"	"	"	"	"	Craters Halley and Hind
9795	"	"	"	"	5.0°E	"	"	"	45°	"	"	Craters Hipparchus and Halley
9796	"	"	"	6.5°S	4.0°E	"	"	"	"	Fair	"	Craters Hipparchus and Hipparchus J
9797	"	"	"	"	3.0°E	"	"	"	"	"	"	Craters Hipparchus J and Muller
9798	"	"	"	6.0°S	2.0°E	"	"	"	"	"	"	"
9799	"	"	"	"	1.0°E	"	"	"	"	"	"	Craters Glyden and Muller
9800	"	"	"	"	0.0°	"	"	"	40°	"	"	Craters Glyden and Herschel
9801	"	"	"	"	1.0°W	"	"	"	"	"	"	"
9802	"	"	"	5.5°S	2.0°W	"	"	"	"	"	"	Craters Herschel and Storer
9803	"	"	"	"	3.0°W	"	"	"	"	"	"	"
9804	"	"	"	5.0°S	4.0°W	"	"	"	"	"	"	Craters Flammarion and Herschel C
9805	"	"	"	"	5.0°W	"	"	"	35°	"	"	Craters Flammarion and Herschel D
9806	"	"	"	"	6.0°W	"	"	"	"	"	"	Craters Lalande C and R

APOLLO 14 FRAME PHOTOGRAPHY

Magazine Q AS14-70 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9807	26	80mm	1:1,380,000	5.0°S	7.0°W	VERTICAL		60%	34°	Fair	77	Craters Lalande C and R
9808	"	"	"	4.5°S	7.5°W	"	"	"	"	"	"	Craters Lalande and Lalande C
9809	"	"	"	"	8.5°W	"	"	"	32°	"	"	Crater Lalande
9810	"	"	"	4.0°S	9.5°W	"	"	55%	"	Good	"	"
9811	"	"	"	4.5°S	10.5°W	"	"	"	31°	"	76	Crater Lalande δ
9812	"	"	"	"	11.5°W	"	"	60%	"	"	"	Crater Lalande E
9813	"	"	"	4.0°S	12.0°W	"	"	"	28°	"	"	Crater Turner L
9814	"	"	"	3.5°S	13.0°W	"	"	"	"	"	"	Fra Mauro R, Fra Mauro δ Crater
9815	"	"	"	3.0°S	15.0°W	"	"	"	25°	"	"	"
9816	"	"	"	"	16.0°W	"	"	"	"	"	"	Crater Fra Mauro G and R
9817	"	"	1:1,423,000	2.5°S	17.0°W	15°	290°	"	23°	"	"	Crater Fra Mauro G, R, and K
9818	"	"	"	"	18.5°W	"	"	"	"	"	"	Crater Fra Mauro J
9819	"	"	1:1,463,000	"	20.0°W	20°	"	"	20°	"	"	Crater Fra Mauro J and T
9820	"	"	"	"	21.0°W	"	"	"	"	"	"	Fra Mauro V
9821	"	"	1:1,517,000	2.0°S	22.0°W	30°	"	:	18°	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine Q AS14- 70 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9822	26	80mm	1:1,795,000	1.5°S	23.5°W	40°	280°	60%	17°	Good	76	Crater Lansberg P
9823	"	"	"	"	25.0°W	"	"	"	15°	"	"	Crater Lansberg
9824	"	"	"	0.5°S	26.0°W	"	"	"	"	"	"	"
9825	"	"	"	"	26.5°W	"	"	80%	14°	Fair	"	"
9826	"	"	"	"	27.5°W	"	"	"	"	"	"	Craters Lansberg and Lansberg C
9827	"	"	1:1,517,000	"	29.0°W	30°	"	"	10°	"	"	Lansberg A and C
9828	"	"	"	"	29.5°W	"	"	90%	"	Poor	"	"
9829	"	"	"	"	"	"	"	"	08°	"	"	"
9830	"	"	1:1,463,000	0.5°N	30.5°W	20°	"	"	"	"	"	Lansberg A and AA
9831	"	"	1:1,380,000	"	"	10°	"	"	"	"	"	"
9832	"	"	"	"	"	0°	0°	"	"	"	"	"
9833	"	"	"	"	"	10°	90°	"	"	"	"	"
9834	"	"	1:1,463,000	"	"	20°	"	"	"	"	"	"
9835	"	"	1:1,517,000	"	"	30°	"	"	"	"	"	Looking East, Lansberg and Lansberg C and A
9836	"	"	1:1,795,000	"	"	40°	"	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine Q AS14-70 Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9837	26	80mm	1:1,795,000	0.5°N	30.5°W	50°	90°	80%	10°	Dark	76	Looking East, Lansberg and Lansberg C and A
9838	"	"	"	"	"	"	"	"	"	"	"	Dark
9839	"	"	"	"	"	"	"	"	"	"	"	"
9840	"	"	"	"	"	"	"	"	"	"	"	"
				END OF	MAGAZINE							

MAGAZINE T

(Frames AS14-71-9841 through 9917)

Magazine T consists of 70-mm black and white photography taken of the lunar surface during transearth coast (TEC). An 80-mm lens was used. The majority of the frames are fair to good in quality. The area of the moon from 110°E longitude to approximately 70°E longitude and as far south and north as 65° latitude was photographed for the first time on an Apollo mission. The last 26 frames contain quarter to full views of the moon with at least half of the frames showing ray patterns from the Crater Tycho.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine T AS14 - 71 Film 3414. BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9841	TEC	80mm	-	-	-	-	-	-	-	Poor	-	Very Dark
9842	"	"	-	-	-	-	-	-	-	"	-	"
9843	"	"	-	6.5°N	123.0°E		265°	-	12°	Fair	65	Crater King, Crater 213
9844	"	"	-	7.5°N	111.0°E	65°	270°	-	20°	"	64, 65	Earthrise, Craters Lobachevsky, and 201
9845	"	"	-	7.0°N	112.5°E	"	"	90%	"	"	"	Earthrise, Craters Firsov, Lobachevsky, and 201
9846	"	"	-	7.0°N	108.5°E	70°	275°	80%	23°	"	"	"
9847	"	"	-	7.5°N	106.5°E	75°	"	"	26°	"	"	Earthrise, Craters Lobachevsky and 201
9848	"	"	-	HORIZON		"	"	70%	28°	"	"	"
9849	"	"	-	"	"	"	"	50%	30°	"	"	Crater 201
9850	"	"	-	-	-	-	-	-	-	Poor	-	Earth
9851	"	"	-	5.5°N	118.0°E	-	260°	-	20°	Good	65	Crater King
9852	"	"	-	HORIZON		70°	-	-	30°	"	46	Craters Lomonosov, Maxwell, Artamonov, and Espin
9853	"	"	-	18.0°N	116.5°E	-	345°	-	20°	"	47	Craters Kostinsky and Olcott
9854	"	"	-	HORIZON		-	330°	-	26°	"	29	Craters Fabry and Szilard
9855	"	"	-	"	"	-	355°	-	23°	"	29, 30	Hilly Area Just East of the Crater Fabry

APOLLO 14 FRAME PHOTOGRAPHY

Magazine T AS14-71 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9856	TEC	80mm	-	31.5°N	123.0°E	-	355°	-	10°	Good	30, 47	Craters Innes, Meggars, Cantor, and H. G. Wells
9857	"	"	-	8.0°N	96.0°E	-	330°	-	38°	"	64	Craters Babcock, Erro, Dreyer, and Jansky
9858	"	"	-	HORIZON		-	310°	-	48°	"	45	Craters Gauss, Plutarch, and Seneca
9859	"	"	-	-	-	-	-	-	-	Poor	-	Very Little Lunar Surface Area Visible, Believed Near Gauss Crater
9860	"	"	-	HORIZON		-	335°	-	44°	Good	45, 46	Craters Gauss and Rynin
9861	"	"	-	"	"	-	310°	-	28°	"	29	Craters Riemann and Fabry
9862	"	"	-	6.0°S	70.0°E	-	255°	-	60°	"	80, 81	Craters Kastner, Langrenus, and Gilbert
9863	"	"	-	6.0°N	70.0°E	-	285°	-	"	"	62, 63	Crater Gilbert; Mare Spumans Mare Crisium
9864	"	"	-	HORIZON		-	320°	-	"	"	28, 45	Craters Hahn and Berosus
9865	"	"	-	"	"	-	330°	-	"	"	29	Oblique View Looking NW From Fabry Crater into Belkovich Crater
9866	"	"	-	13.0°S	98.0°E	-	200°	-	30°	"	82, 100	Craters Pasteur and Sklodowska
9867	"	"	-	26.0°S	109.0°E	-	180°	-	22°	"	100, 101, 117	Craters Hilbert, Alden, Scaliger, and Milne
9868	"	"	-	11.0°N	62.0°E	-	265°	-	70°	"	44, 62	Mare Crisium
9869	"	"	-	12.0°S	84.0°E	-	180°	-	50°	"	81, 99	Mare Smythii, Craters Kastner, Ansgarius, Behaim, Gibbs, and Hecataeus
9870	"	"	-	22.0°S	67.0°E	-	200°	-	65°	"	98	Craters Balmer, Lame, and Petavius

APOLLO 14 FRAME PHOTOGRAPHY

Magazine T AS14-71 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9871	TEC	80mm	-	14.0°N	60.0°E	-	190°	-	70°	Good	44, 62	Mare Crisium
9872	"	"	-	3.0°S	67.0°E	-	170°	-	60°	"	80	Craters Gilbert and Langrenus
9873	"	"	-	2.0°N	56.0°E	-	200°	-	70°	"	"	Mare Fecunditatis, Langrenus Crater
9874	"	"	-	18.0°N	59.0°E	-	295°	-	"	"	44, 62	Mare Crisium
9875	"	"	-	20.0°S	71.0°E	-	205°	-	80°	"	98, 115, 80, 79	Ansgarius, Humboldt, Petavius
9876	"	"	-	0°	95.0°E	-	90°	-	37°	"	63, 81 64, 82	Mare Smythii, Craters Neper, Jansky, Wyld, Babcock, Pasteur
9877	"	"	-	20.5°S	109.0°E	-	"	-	20°	"	-	Craters Pasteur, Hilbert, Milne Alden, Titius, and Tsiolkovsky
9878	"	"	-	22.0°S	92.0°E	-	160°	-	35°	"	-	Craters Hecataeus, Humboldt, Abel, Curie, Mare Australe
9879	"	"	-	9.0°S	74.0°E	-	190°	-	60°	"	80, 81	Craters Langrenus, Gilbert, Mare Smythii
9880	"	"	-	12,0°N	72.0°E	-	285°	-	"	"	62, 63 44, 45	Mare Crisium, Mare Spumans; Schubert and Condorcet Craters
9881	"	"	-	27.5°N	92.5°E	-	15°	-	37°	"	45, 46, 29	Mare Marginus, Craters Joliot, Maxwell, Goddard, and Szilard
9882	"	"	-	HORIZON		-	45°	-	20°	"	46, 47, 30	Craters Maxwell, Szilard, Seyfert, and Olcott
9883	"	"	-	"	"	-	80°	-	15°	"	65	Craters Guyot, Ostwald, King and 201
9884	"	"	-	29.0°S	107.0°E	-	125°	-	25°	"	82, 100 83, 101	Craters Pasteur, Hilbert, Milne, and Fermi
9885	"	"	-	HORIZON		-	150°	-	22°	"	83, 101	Craters Hilbert, Milne, Alden and Fermi

APOLLO 14 FRAME PHOTOGRAPHY

Magazine T AS14 - 71 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9886	TEC	80mm	-	HORIZON		-	150°	-	25°	Good	-	Oblique View Looking SE into Schrodinger Rille
9887	"	"	-	32.0°S	125.0°E	-	140°	-	15°	"	-	Craters Hilbert, Alden, Milne, and Tsiolkovsky
9888	"	"	-	HORIZON		-	150°	-	17°	"	-	Craters Hilbert, Fermi, Milne, and Tsiolkovsky
9889	"	"	-	25.0°N	107.0°E	-	70°	-	30°	"	-	Craters Joliot, Maxwell; Flemming, Vestine, and Szilard
9890	"	"	-	-	-	-	170°	-	"	"	-	Oblique View Looking SSE Toward Lebedev Crater
9891	"	"	-	-	-	-	190°	-	33°	"	-	Oblique View Looking S into Schrodinger Rille
9892	"	"	-	-	-	-	-	-	-	"	-	Quarter Moon View Showing Rays from Crater Tycho
9893	"	"	-	-	-	-	-	-	-	"	-	Mares Fecunditatis, Tranquillitatis, and Serenitatis
9894	"	"	-	-	-	-	-	-	-	"	-	Full Moon View Showing Mare Vaporum and Sinus Medii
9895	"	"	-	-	-	-	-	-	-	"	-	Moon View Showing Mare Serenitatis and Mare Vaporum
9896	"	"	-	-	-	-	-	-	-	"	-	Full Moon View Showing Mares Tranquillitatis, Fecunditatis and Nectaris
9897	"	"	-	-	-	-	-	-	-	Poor	-	Mares Crisium, Tranquillitatis Fecunditatis
9898	"	"	-	-	-	-	-	-	-	"	-	Oblique View Showing Rays of Crater Tycho
9899	"	"	-	-	-	-	-	-	-	"	-	View of Rays of Crater Tycho
9900	"	"	-	-	-	-	-	-	-	"	-	Very Dark

APOLLO 14 FRAME PHOTOGRAPHY

Magazine T AS14-71 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9901	TEC	80mm	-	-	-	-	-	-	-	Poor	-	Mare Tranquillitatis
9902	"	"	-	-	-	-	-	-	-	"	-	Mares Crisium, Tranquillitatis and Serenitatis
9903	"	"	-	-	-	-	-	-	-	Fair	-	Mares Fertillitatis and Nectaris Crater Langrenus, Tycho Rays
9904	"	"	-	-	-	-	-	-	-	"	-	Mare Nectaris, Tycho Ray Patterns
9905	"	"	-	-	-	-	-	-	-	"	-	Mare Nectaris, Tycho Ray Patterns
9906	"	"	-	-	-	-	-	-	-	"	-	Mares Crisium, Fecunditatis, and Nectaris
9907	"	"	-	-	-	-	-	-	-	"	-	Mares Fecunditatis, Tranquillitatis; Tycho Ray Patterns
9908	"	"	-	-	-	-	-	-	-	"	-	Tycho Crater Ray Patterns
9909	"	"	-	-	-	-	-	-	-	"	-	View of Southeast Quarter of Moon Nearside
9910	"	"	-	-	-	-	-	-	-	Poor	-	Dark
9911	"	"	-	-	-	-	-	-	-	Fair	-	Mares Crisium, Fecunditatis, Tranquillitatis, and Nectaris
9912	"	"	-	-	-	-	-	-	-	Poor	-	Very Bright; Tycho Ray Patterns
9913	"	"	-	-	-	-	-	-	-	"	-	"
9914	"	"	-	-	-	-	-	-	-	"	-	"
9915	"	"	-	-	-	-	-	-	-	Good	-	Mares Crisium, Fecunditatis, Tranquillitatis, and Serenitatis

APOLLO 14 FRAME PHOTOGRAPHY

Magazine T AS14-71 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9916	TEC	80mm	-	-	-	-	-	-	-	Good	-	Mares Crisium and Fecunditatis Tycho Ray Patterns
9917	"	"	-	-	-	-	-	-	-	"	-	Mares Tranquillitatis and Nectaris; Tycho Ray Patterns
				END OF	MAGAZINE							

MAGAZINE L

(Frames AS14-72-9918 through 10039)

Magazine L is a 70-mm color magazine taken with the 80- and 500-mm lenses. Frames 9947 through 9959 were taken in the vicinity of the Crater Chaplygin at 147°E. Frames 9961 through 9976 were taken in the vicinity of King Crater at 120°E. Frames 9979 through 10003 were taken east of Hirayama at 96°E. Frames 10004 through 10025 were taken over Mare Smythii at about 90°E. The overall quality of this mostly oblique looking magazine is very good.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine L AS14 - 72 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9918	TLI	80mm	-	-	-	-	-	-	-	Good	-	LM in S IV B
9919	"	"	-	-	-	-	-	-	-	"	-	"
9920	"	"	-	-	-	-	-	-	-	"	-	"
9921	"	"	-	-	-	-	-	-	-	"	-	"
9922	"	"	-	-	-	-	-	-	-	"	-	"
9923	"	"	-	-	-	-	-	-	-	"	-	LM After Emerging from S IV B. S IV B in Background
9924	"	"	-	-	-	-	-	-	-	"	-	"
9925	"	"	-	-	-	-	-	-	-	"	-	LM Thrusters with S IV B in Background
9926	"	"	-	-	-	-	-	-	-	"	-	"
9927	"	"	-	-	-	-	-	-	-	"	-	"
9928	"	"	-	-	-	-	-	-	-	"	-	"
9929	"	"	-	-	-	-	-	-	-	"	-	"
9930	"	"	-	-	-	-	-	-	-	"	-	"
9931	"	"	-	-	-	-	-	-	-	"	-	"
9932	"	"	-	-	-	-	-	-	-	"	-	S IV B

APOLLO 14 FRAME PHOTOGRAPHY

Magazine L AS14- 72 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9933	TLI	80mm	-	-	-	-	-	-	-	Good	-	S IV B
9934	"	"	-	-	-	-	-	-	-	"	-	"
9935	"	"	-	-	-	-	-	-	-	"	-	"
9936	"	"	-	-	-	-	-	-	-	"	-	"
9937	"	500mm	-	-	-	-	-	-	-	Poor	-	Unidentified Reflections with Portion of Moon
9938	"	"	-	-	-	-	-	-	-	"	-	"
9939	"	"	-	-	-	-	-	-	-	"	-	"
9940	"	"	-	-	-	-	-	-	-	"	-	"
9941	"	"	-	-	-	-	-	-	-	Fair	-	"
9942	"	"	-	-	-	-	-	-	-	"	-	"
9943	"	"	-	-	-	-	-	-	-	"	-	"
9944	"	"	-	-	-	-	-	-	-	"	-	"
9945	"	"	-	-	-	-	-	-	-	"	-	"
9946	"	"	-	-	-	-	-	-	-	"	-	"
9947	14	"	1:1,360,000	3.0°S	149.0°E	50°	0°	NA	7°	Good	LAC 84	Looking East From Point West of Chaplygin

APOLLO 14 FRAME PHOTOGRAPHY

Magazine L AS14-72 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9948	14	500mm	1:1,360,000	3.5°S	148.5°E	50°	45°	NA	7°	Good	LAC 84	Looking East from Point West of Chaplygin
9949	"	"	"	"	147.0°E	"	55°	"	6°	"	"	"
9950	"	"	"	4.0°S	"	"	80°	"	"	"	"	"
9951	"	"	"	3.5°S	"	"	95°	"	"	"	"	Looking Southeast from Point West of Chaplygin
9952	"	"	"	5.5°S	"	"	100°	"	"	"	"	"
9953	"	"	"	6.0°S	146.5°E	"	110°	"	"	"	"	"
9954	"	"	"	5.5°S	146.0°E	"	"	"	7°	"	"	"
9955	"	"	"	-	-	"	-	"	"	"	"	Looking Southeast from Point W of Chaplygin and E of Vil'Ev
9956	"	"	"	6.0°S	146.5°E	"	110°	"	6°	"	"	"
9957	"	"	"	-	-	"	"	"	"	"	"	"
9958	"	"	"	3.0°S	146.5°E	"	"	"	"	"	"	Crater Vil'Ev
9959	"	"	"	4.0°S	146.0°E	"	120°	"	7°	"	"	West of Crater Chaplygin
9960	"	"	"	-	-	"	-	"	"	"	"	"
9961	"	"	"	6.5°N	125.5°E	"	350°	NA	28°	"	65	East of King Crater and West of Morozov Crater
9962	"	"	"	6.0°N	124.5°E	"	330°	80	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine L AS14-72 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9963	14	500mm	1:1,360,000	6.0°N	124.5°E	50°	330°	85%	29°	Good	65	East of King Crater and West of Morozov
9964	"	"	"	5.5°N	123.5°E	"	"	90%	"	"	"	"
9965	"	"	"	6.0°N	123.0°E	"	"	80%	30°	"	"	East of King Crater
9966	"	"	"	"	"	"	"	95%	"	"	"	"
9967	"	"	"	5.0°N	122.0°E	"	"	35%	31°	"	"	Eastern Third of King Crater
9968	"	"	"	5.5°N	121.5°E	"	"	95%	"	"	"	"
9969	"	"	"	"	121.0°E	"	"	80%	32°	"	"	Eastern Half of King Crater
9970	"	"	"	5.0°N	120.5°E	"	"	"	"	"	"	Western 3/4 of King Crater
9971	"	"	"	4.0°N	120.0°E	"	"	"	33°	"	"	Western Portion of King Crater
9972	"	"	"	"	"	"	"	95%	"	"	"	"
9973	"	"	"	"	119.0°E	"	"	60%	34°	"	"	West of King Crater Showing Western Edge of Crater
9974	"	"	"	"	"	"	"	98%	"	"	"	West of King Crater
9975	"	"	"	-	-	"	"	-	"	"	"	Some Portion of King Crater. Not Locatable
9976	"	"	"	4.0°N	119.0°E	"	"	98%	"	"	"	West of King Crater and NE of Abul Wafa
9977	"	"	"	-	-	-	-	-	-	"	-	Not Identifiable

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9978	14	500mm	1:1,360,000	-	-	-	-	-	-	Good	-	Not Identifiable
9979	"	"	"	4.5°S	102.5°E	50°	340°	80%	50°	"	82	South of Saha Crater Looking NW
9980	"	"	"	"	"	"	"	95%	"	"	"	"
9981	"	"	"	"	102.0°E	"	"	"	51°	"	"	"
9982	"	"	"	4.0°S	"	"	"	"	"	"	"	"
9983	"	"	"	"	101.0°E	"	"	"	52°	"	"	"
9984	"	"	"	"	"	"	"	"	"	"	"	"
9985	"	"	"	"	"	"	"	"	"	"	"	Southwest of Saha Crater Looking Northwest
9986	"	"	"	6.0°S	100.0°E	"	335°	10%	53°	"	"	"
9987	"	"	"	"	99.0°E	"	330°	"	54°	"	"	"
9988	"	"	"	"	98.5°E	"	"	30%	"	"	"	"
9989	"	"	"	"	98.0°E	"	"	50%	55°	"	"	"
9990	"	"	"	"	97.5°E	"	"	"	"	"	"	"
9991	"	"	"	"	97.0°E	"	"	20%	56°	"	"	"
9992	"	"	"	-	-	-	-	-	"	"	"	"

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
9993	14	500mm	1:1,360,000	-	-	-	-	-	56°	Good	82	Southwest of Saha Crater Looking Northwest
9994	"	"	"	"	"	"	"	"	"	"	"	"
9995	"	"	"	"	"	"	"	"	"	"	"	"
9996	"	"	"	"	"	"	"	"	"	"	"	Low Oblique Looking NW on NW Edge of Gansky Crater (Near Vert.)
9997	"	"	"	"	"	"	"	"	"	"	"	"
9998	"	"	"	7.0°S	97.0°E	50°	330°	"	"	"	"	"
9999	"	"	"	7.5°S	"	"	"	60%	"	"	"	"
10000	"	"	"	"	96.5°E	"	"	20%	"	"	"	"
10001	"	"	"	8.0°S	96.0°E	"	360°	"	57°	"	"	"
10002	"	"	"	"	"	"	"	98%	"	"	"	"
10003	"	"	"	"	"	"	"	80%	"	"	"	"
10004	"	"	"	3.0°S	94.0°E	55°	350°	"	59°	"	"	High Oblique Showing Erro Crater on East Edge of Mare Smythii
10005	"	"	"	2.5°S	93.5°E	"	355°	40%	"	"	"	High Oblique Looking NW in Central SE of Mare Smythii
10006	"	"	"	"	93.0°E	"	"	45%	60°	"	"	"
10007	"	"	"	3.0°S	"	40°	345°	65%	"	"	"	Mare Smythii Area Looking NNW From N Edge of Hirayama Crater

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10008	14	500mm	1:1,360,000	2.0°S	93.0°E	50°	340°	10%	61°	Good	82	Mare Smythii Area Looking NW from N Edge of Hirayama Crater
10009	"	"	"	2.5°S	91.5°E	"	355°	40%	"	"	"	Mare Smythii Area Looking N from NW Edge of Hirayama Crater
10010	"	"	"	1.5°S	90.5°E	55°	"	25%	62°	"	81, 82	Mare Smythii Area Looking N from NW Edge of Hirayama Crater
10011	"	"	"	3.0°S	"	45°	"	10%	"	"	"	Mare Smythii Area Looking N from West Edge of Hirayama Crater
10012	"	"	"	5.0°S	90.0°E	55°	360°	5%	63°	"	"	"
10013	"	"	"	3.5°S	90.5°E	50°	"	75%	62°	"	"	Mare Smythii Area Looking N from NW Edge of Hirayama Crater
10014	"	"	"	3.0°S	90.0°E	55°	"	85%	63°	"	"	"
10015	"	"	"	"	"	"	"	"	"	"	"	Mare Smythii Area Looking NW from NW Edge of Hirayama Crater
10016	"	"	"	"	89.0°E	"	350°	30%	64°	"	"	Mare Smythii Area Looking NW from NW Edge of Hirayama Crater
10017	"	"	"	"	"	"	"	90%	"	"	81	"
10018	"	"	"	"	"	"	345°	"	"	"	"	"
10019	"	"	"	"	88.5°E	"	"	85%	"	"	"	"
10020	"	"	"	3.5°S	88.0°E	50°	"	80%	65°	"	"	"
10021	"	"	"	"	"	"	"	"	"	"	"	"
10022	"	"	"	3.0°S	"	55°	"	"	"	"	"	"

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10023	14	50mm	1:1,360,000	3°S	87.0°E	55°	345°	60%	66°	Good	81	Mare Smythii Area Looking NW From NW Edge of Hirayama Crater
10024	"	"	"	"	"	"	"	75%	"	"	"	"
10025	"	"	"	"	"	"	"	90%	"	"	"	Mare Smythii Area Looking NW from Point WNW of Hirayama Crater
10026	"	"	"	"	86.5°E	"	"	95%	"	"	"	"
10027	"	"	"	"	"	"	"	"	"	"	"	"
10028	"	"	"	"	86.0°E	"	"	"	"	"	"	"
10029	"	"	"	"	"	"	"	30%	"	"	"	"
10030	"	"	"	"	"	"	"	"	"	"	"	"
10031	"	"	NA	NA	NA	NA	NA	NA	NA	Good	NA	Earth in Crescent View from Lunar Orbit
10032	"	"	"	"	"	"	"	"	"	"	"	"
10033	"	"	"	"	"	"	"	"	"	"	"	"
10034	"	"	"	"	"	"	"	"	"	"	"	"
10035	"	"	"	"	"	"	"	"	"	"	"	"
10036	"	"	"	"	"	"	"	"	"	"	"	"
10037	"	"	"	"	"	"	"	"	"	"	"	Earth in Crescent View from Lunar Orbit

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10038	14	500mm	NA	NA	NA	NA	NA	NA	NA	Good	NA	Earth in Crescent View from Lunar Orbit
10039	"	"	"	"	"	"	"	"	"	"	"	"
		END OF	MAGAZINE									

MAGAZINE M

(Frames AS14-73-10040 through 10204)

Magazine M is a 70-mm color sequence taken with a 250-mm lens. The photography was taken during revolutions 26, 27, and 28 from an altitude of approximately 60 n.m. Frames 10040 through 10105 cover the Central Highlands from the crater Theophilus to Davy and Alphonsus craters using a 250-mm lens. Frames 10106 through 10125 were taken with the 250-mm lens and cover the area around the craters Fra Mauro and Perry and the highland area just south of the crater Lansberg. Frames 10126 through 10169 were also taken with a 250-mm lens and cover areas near the craters Gilbert and Langrenus and the Mare Fecunditatis.

The last 34 frames are full to quarter moon views of the moon taken during TEC with a 250-mm lens. The photo quality for the majority of the frames is good.

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10040	26	250mm	1:574,600	14.5°S	30.0°E	40°	265°	-	70°	Good	78, 79	Western Edge of Mare Nectaris Beaumont L Crater
10041	"	"	"	14.0°S	29.5°E	"	"	40%	"	"	78	"
10042	"	"	"	16.0°S	29.0°E	"	255°	25%	"	"	"	"
10043	"	"	"	"	28.0°E	"	240°	50%	"	"	"	Western Edge of Mare Nectaris Beaumont D Crater
10044	"	"	"	16.5°S	27.0°E	"	"	30%	"	Fair	"	Craters Beaumont D and Cyrillus E
10045	"	"	"	17.0°S	26.0°E	"	230°	20%	"	Good	"	Craters Beaumont D and Catharina
10046	"	"	1:508,200	16.0°S	"	30°	245°	"	65°	"	"	Craters Beaumont D, Cyrillus E, Cyrillus F
10047	"	"	"	"	25.5°E	"	250°	50%	"	"	"	"
10048	"	"	"	15.5°S	24.0°E	"	255°	-	"	"	"	South Edge of Crater Cyrillus
10049	"	"	1:468,800	14.0°S	25.0°E	20°	"	20%	"	"	"	Floor of Crater Cyrillus
10050	"	"	"	12.0°S	24.0°E	"	265°	"	"	"	"	West Edge of Crater Theophilus Floor of Crater Cyrillus
10051	"	"	1:508,200	11.0°S	23.5°E	30°	-	-	"	"	"	Area Just West of Crater Theophilus
10052	"	"	"	9.5°S	22.5°E	"	250°	"	63°	"	"	Crater Kant C
10053	"	"	"	"	21.5°E	"	"	65%	61°	"	"	"
10054	"	"	1:574,600	-	-	40°	245°	30%	60°	"	"	Area Between Kant C and Kant

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10055	26	250mm	1:468,800	11.5°S	19°E	20°	265°	-	60°	Good	78	Crater Kant D
10056	"	"	"	12°S	19.5°E	"	260°	30%	"	"	"	" "
10057	"	"	"	11.5°S	19.5°E	"	"	"	"	"	"	" "
10058	"	"	1:455,500	11°S	19°E	15°	265°	"	"	"	"	" "
10059	"	"	"	12°S	20.5°E	"	"	20%	"	"	"	Area Just South of Crater Kant
10060	"	"	1:468,800	12°S	19.5°E	20°	260°	30%	"	"	"	South Rim of Crater Kant, Crater Kant D
10061	"	"	"	"	19°E	"	265°	50%	"	"	"	Crater Kant D
10062	"	"	1:485,500	"	18°E	25°	"	10%	58°	"	"	" "
10063	"	"	"	"	17°E	"	"	30%	57°	"	"	Crater Descartes
10064	"	"	1:468,800	11.5°S	17°E	20°	"	50%	"	"	"	" "
10065	"	"	1:455,500	"	16.5°E	15°	"	"	56°	"	"	" "
10066	"	"	"	11°S	16°E	"	"	60%	"	"	"	" "
10067	"	"	"	11.5°S	15.5°E	"	260°	30%	55°	"	"	Crater Descartes, Descartes A
10068	"	"	"	12.5°S	15°E	"	"	-	"	Fair	"	Crater Descartes
10069	"	"	1:485,500	13.0°S	15°E	25°	255°	20%	"	Good	"	Area Just East of Crater Abulfeda

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10070	26	250mm	-	19.0°S	13.0°E	65°	205°	-	53°	Good	78, 96	Craters Geiber, Abenezra, Azophi, and Geber B
10071	"	"	1:880,400	18.0°S	13.5°E	60°	215°	40%	54°	"	"	Craters Geber, Geber B, and Abenezra
10072	"	"	"	16.5°S	12.0°E	"	220°	10%	52°	"	"	Craters Abulfeda N and Abenezra P
10073	"	"	"	15.5°S	10.5°E	"	"	-	50°	"	78, 77, 95, 96	Craters Abulfeda A and Airy B
10074	"	"	"	15.0°S	10.0°E	"	230°	30%	"	"	"	Central Highlands Near Crater Airy B
10075	"	"	1:767,100	14.5°S	9.0°E	55°	"	"	49°	"	77, 78 95	Craters Airy A and Abulfeda D
10076	"	"	"	15.0°S	8.5°E	"	225°	"	48°	"	77, 95	Craters Abulfeda D, Airy A, and Argelander
10077	"	"	1:880,400	14.5°S	7.0°E	60°	"	10%	46°	"	"	Craters Burnham, Vogel, and Argelander
10078	"	"	1:767,100	14.0°S	7.5°E	55°	220°	60%	47°	"	"	Crater Burnham
10079	"	"	1:880,400	15.5°S	6.5°E	60°	225°	30%	46°	"	"	Craters Vogel, Burnham, Argelander, and Airy
10080	"	"	1:767,100	13.5°S	"	55°	"	15%	"	"	77	Craters Vogel, Vogel B
10081	"	"	1:679,950	13.0°S	5.5°E	50°	"	50%	45°	"	"	SE Rim of the Crater Albategnius
10082	"	"	"	"	5.0°E	"	"	"	"	"	"	Craters Albategnius and Parrot
10083	"	"	1:767,100	13.5°S	4.0°E	55°	230°	"	44°	"	"	"
10084	"	"	"	"	3.5°E	"	"	"	"	"	"	"

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10085	26	250mm	1:767,100	13.0°S	3.0°E	55°	225°	50%	43°	Good	77	Craters Albategnius, Klein, Parrot, and Parrot A
10086	"	"	"	"	2.5°E	"	220°	"	"	"	"	Crater Klein
10087	"	"	1:679,950	"	2.0°E	50°	"	"	42°	"	"	Craters Klein & Alphonsus B
10088	"	"	"	14.0°S	1.0°E	"	"	"	41°	"	"	Crater Alphonsus B
10089	"	"	"	"	0.5°E	"	"	"	40°	"	"	"
10090	"	"	"	"	0°	"	225°	"	"	"	"	"
10091	"	"	"	13.0°S	1.0°W	"	230°	40%	39°	"	"	SW Portion of the Floor of the Crater Alphonsus
10092	"	"	"	12.5°S	2.0°W	"	235°	30%	38°	"	"	Craters Alphonsus and Alpetragius
10093	"	"	"	12.0°S	2.0°W	"	"	60%	"	"	"	"
10094	"	"	1:767,100	12.5°S	2.5°W	55°	240°	50%	"	"	"	Crater Alphonsus; Southern Part of Crater Ptolemaeus
10095	"	"	1:880,400	15.0°S	3.0°W	60°	200°	-	37°	"	77, 95	Craters Alphonsus, Arzachel, and Alpetragius
10096	"	"	-	14.5°S	4.0°W	65°	215°	20%	36°	"	"	Mare Nubium; Craters Alphonsus, Alpetragius, Alpetragius B
10097	"	"	1:679,950	13.0°S	"	50°	210°	-	"	"	77	Craters Alphonsus and Southern Tip of Ptolemaeus
10098	"	"	"	11.5°S	3.5°W	"	245°	"	"	"	"	SW Portion of Crater Ptolemaeus
10099	"	"	"	12.0°S	4.0°W	"	250°	"	"	"	"	"

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10100	26	250mm	1:622,200	11.0°S	4.5°W	45°	250°	30%	36°	Good	77	Crater Davy G, Southwest Portion of Ptolemaeus
10101	"	"	"	10.5°S	5.0°W	"	"	"	35°	"	"	Craters Davy G and Davy Y
10102	"	"	1:574,600	10.0°S	5.5°W	40°	"	"	"	"	"	"
10103	"	"	1:622,200	10.5°S	6.0°W	45°	"	60%	34°	"	"	Craters Davy G, Y; Crater Davy
10104	"	"	1:767,100	11.0°S	6.5°W	55°	240°	40%	"	"	"	Craters Davy G, Y; Craters Davy and Lassel
10105	"	"	1:574,600	9.5°S	"	40°	250°	-	"	"	"	Craters Davy Y and Ralisa
10106	"	"	1:485,000	11.0°S	13.0°W	25°	"	"	27°	"	76	Craters Guericke, Guericke D, Guericke C
10107	"	"	1:469,000	9.5°S	13.5°W	20°	"	10%	"	"	"	Craters Parry A and Guericke
10108	"	"	"	8.0°S	14.0°W	"	260°	-	26°	"	"	Area Just East of Parry A; Mare Nubium
10109	"	"	1:455,000	"	"	15°	"	"	"	"	"	Rima Parry II, Mare Nubium
10110	"	"	"	7.5°S	15.0°W	"	255°	50%	25°	"	"	Craters Parry; Rima Parry II
10111	"	"	"	7.0°S	15.5°W	"	250°	20%	"	"	"	Craters Parry and Fra Mauro
10112	"	"	1:469,000	"	16.5°W	20°	"	10%	24°	"	"	Rima Parry, Craters Parry, Fra Mauro, Bonpland
10113	"	"	1:455,000	6.5°S	"	15°	255°	50%	"	"	"	Rima Parry, Crater Fra Mauro
10114	"	"	1:485,000	7.5°S	16.0°W	25°	250°	10%	"	"	"	Craters Parry and Bonpland

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Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10115	26	250mm	1:469,000	7.5°S	17.0°W	20°	250°	20%	23°	Good	76	Rima Parry, Craters Fra Mauro and Bonpland
10116	"	"	"	"	17.5°W	"	"	60%	"	"	"	"
10117	"	"	"	7.0°S	"	"	255°	50%	"	"	"	"
10118	"	"	"	"	18.5°W	"	"	-	22°	"	"	Northeast Edge of Known Sea
10119	"	"	1:446,000	4.0°S	21.0°W	10°	"	-	19°	"	"	Crater Fra Mauro B
10120	"	"	1:469,000	2.0°S	26.0°W	20°	260°	-	14°	"	"	Highland Area Just South of Crater Lansberg
10121	"	"	1:508,000	"	"	30°	"	60%	"	"	"	"
10122	"	"	"	"	26.5°W	"	265°	80%	"	"	"	"
10123	"	"	1:446,000	"	"	10°	270°	50%	"	"	"	"
10124	"	"	"	"	"	"	"	80%	"	"	"	"
10125	"	"	"	1.5°S	"	"	275°	"	"	"	"	"
10126	27	"	1:767,100	4.0°S	75.0°E	55°	20°	-	64°	"	63, 81	Crater Gilbert
10127	"	"	1:880,400	3.5°S	74.5°E	60°	"	65%	"	"	"	"
10128	"	"	"	"	74.0°E	"	"	50%	65°	"	"	Craters Gilbert, Gilbert K
10129	"	"	"	"	73.5°E	"	"	"	66°	"	"	Craters Gilbert K and Gilbert J, Gilbert

APOLLO 14 FRAME PHOTOGRAPHY

Magazine M AS14-73 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10130	27	250mm	1:880,400	4.0°S	73.0°E	60°	20°	50%	66°	Good	63, 81	Craters Gilbert J and Gilbert K
10131	"	"	"	3.5°S	72.0°E	"	"	"	67°	"	"	Craters Maclaurin B, Gilbert J and Maclaurin L
10132	"	"	"	3.0°S	71.0°E	65°	15°	30%	68°	"	"	Craters Maclaurin B and Maclaurin L
10133	"	"	1:574,600	2.0°S	16.5°E	40°	325°	-	58°	"	78	Crater Delambre
10134	"	"	1:622,200	1.5°S	"	45°	"	30%	"	"	"	"
10135	"	"	1:574,600	"	"	40°	"	60%	"	"	"	"
10136	"	"	"	2.0°S	"	"	"	20%	"	"	"	Craters Delambre and Theon Junior
10137	"	"	1:537,100	3.5°S	17.0°E	35°	330°	-	59°	"	"	Just South of Crater Delambre
10138	"	"	1:508,200	4.0°S	"	30°	335°	10%	"	"	"	Area Just North of Taylor Crater
10139	"	"	"	8.5°S	64.0°E	72°	45°	-	65°	"	"	Rim of Crater Langrenus
10140	"	"	1:485,500	"	63.5°E	"	"	10%	"	"	"	"
10141	"	"	1:468,800	"	11.0°E	"	"	30%	66°	"	"	"
10142	"	"	"	8.0°S	62.5°E	73°	40°	50%	"	"	"	Floor of Crater Langrenus
10143	"	"	1:455,500	"	"	"	"	60%	67°	"	"	"
10144	"	"	1:468,800	"	61.5°E	"	30°	65%	"	"	"	Floor of Crater Theophilus Including Central Peaks

APOLLO 14 FRAME PHOTOGRAPHY

Magazine M AS14-73 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10145	27	250mm	1:508,200	8.0°S	61.5°E	73°	30°	70%	68°	Good	78	Floor of Crater Langrenus Including Central Peaks
10146	"	"	"	"	"	"	"	50%	67°	"	"	"
10147	"	"	1:574,600	"	"	"	"	20%	"	"	"	Floor and Rim of Crater Langrenus
10148	"	"	"	"	"	"	"	"	"	"	"	Floor and Central Peaks of Crater Langrenus
10149	"	"	"	"	"	"	"	40%	"	"	"	"
10150	"	"	1:537,100	9.0°S	61.0°E	"	"	30%	"	"	"	"
10151	"	"	1:508,200	"	"	"	"	20%	"	"	"	North Rim and Floor of Crater Langrenus
10152	"	"	1:537,100	"	"	"	"	40%	68°	Fair	"	"
10153	"	"	1:574,600	10.0°S	59.0°E	74°	30°	20%	69°	Good	"	"
10154	28	"	-	-	-	-	130°	-	83°	"	80	Mare Fecunditatis Near Langrenus D
10155	"	"	-	-	-	-	"	40%	"	"	"	"
10156	"	"	-	-	-	-	"	"	"	"	"	"
10157	"	"	-	"	-	-	"	"	"	"	"	"
10158	"	"	1:508,200	9.0°S	54.0°E	30°	95°	-	85°	"	"	Mare Fecunditatis, Crater Langrenus DA
10159	"	"	"	8.5°S	53.5°E	"	"	50%	"	Fair	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine M AS14-73 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10160	28	250mm	1:508,200	8.0°S	53.5°E	30°	95°	50%	85°	Good	80	Mare Fecunditatis, Crater Langrenus DA
10161	"	"	"	8.5°S	51.0°E	"	80°	-	88°	"	"	Mare Fecunditatis, Near Crater Goclenius A
10162	"	"	1:574,600	7.5°S	"	40°	"	20%	"	"	"	"
10163	"	"	1:508,200	7.0°S	50.0°E	30°	"	10%	"	"	79, 80	Crater Goclenius A
10164	"	"	"	"	"	"	"	70%	"	"	"	"
10165	"	"	"	6.5°S	49.5°E	"	"	50%	"	Fair	79	Mare Fecunditatis Near Crater Goclenius A
10166	"	"	"	-	-	"	"	"	"	Good	"	"
10167	"	"	"	-	-	"	"	"	"	"	"	"
10168	"	"	"	-	-	"	"	"	"	"	"	"
10169	"	"	-	2.0°S	47.5°E	65°	10°	-	"	"	"	Craters Messier D, A, B, Messier, Taruntius H, Mare Fecunditatis
10170	TEC	"	-	-	-	-	-	-	-	"	-	Mares Fecunditatis, Nectaris Quarter Moon View
10171	"	"	-	-	-	-	-	-	-	"	-	Tycho Ray Pattern
10172	"	"	-	-	-	-	-	-	-	"	-	"
10173	"	"	-	-	-	-	-	-	-	"	-	Tycho Ray Pattern, Mares Fecunditatis, Nectaris, Tranquillitatis
10174	"	"	-	-	-	-	-	-	-	"	-	Mares Nectaris, Crisium, Fecund. Tranquillitatis, Serenitatis

APOLLO 14 FRAME PHOTOGRAPHY

Magazine M AS14 - 73 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10175	TEC	250mm	-	-	-	-	-	-	-	Good	-	Tycho Ray Pattern
10176	"	"	-	-	-	-	-	-	-	Fair	-	View of Southern Tip of Moon
10177	"	"	-	-	-	-	-	-	-	Good	-	Mares Crisium, Serenitatis, Tranquillitatis, Fecunditatis
10178	"	"	-	-	-	-	-	-	-	"	-	Tycho Ray Patterns Mare Nectaris
10179	"	"	-	-	-	-	-	-	-	"	-	"
10180	"	"	-	-	-	-	-	-	-	"	-	Tycho Ray Patterns, Mares Nectaris, Fecunditatis
10181	"	"	-	-	-	-	-	-	-	Fair	-	View of Southern Tip of Moon
10182	"	"	-	-	-	-	-	-	-	Poor	-	No Image
10183	"	"	-	-	-	-	-	-	-	Good	-	View of Lunar Backside From 120°E to 40°E, S Latitudes
10184	"	"	-	-	-	-	-	-	-	"	-	Tycho, Mare Nectaris
10185	"	"	-	-	-	-	-	-	-	"	-	Tycho, Ray Pattern
10186	"	"	-	-	-	-	-	-	-	"	-	Tycho, Langrenus, Mares Nectaris Fecunditatis
10187	"	"	-	-	-	-	-	-	-	"	-	Mares Crisium, Tranquillitatis, Nectaris - Tycho
10188	"	"	-	-	-	-	-	-	-	"	-	Tycho Ray Patterns
10189	"	"	-	-	-	-	-	-	-	"	-	Tycho

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Magazine M AS14-73 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10190	TEC	250mm	-	-	-	-	-	-	-	Good	-	Tycho, Mare Fecunditatis
10191	"	"	-	-	-	-	-	-	-	"	-	Tycho, Ray Patterns
10192	"	"	-	-	-	-	-	-	-	"	-	Tycho, Mares Crisium, Fecunditatis, Nectaris
10193	"	"	-	-	-	-	-	-	-	"	-	Mare Smythii, Langrenus
10194	"	"	-	-	-	-	-	-	-	Fair	-	TEI Lunar View
10195	"	"	-	-	-	-	-	-	-	Good	-	Tycho; Mares Serenitatis, Tranquillitatis, Nectaris, Fecunditatis
10196	"	"	-	-	-	-	-	-	-	"	-	Full Moon View
10197	"	"	-	-	-	-	-	-	-	"	-	"
10198	"	"	-	-	-	-	-	-	-	"	-	Half Moon View
10199	"	"	-	-	-	-	-	-	-	"	-	Full Moon View
10200	"	"	-	-	-	-	-	-	-	"	-	"
10201	"	"	-	-	-	-	-	-	-	"	-	"
10202	"	"	-	-	-	-	-	-	-	"	-	"
10203	"	"	-	-	-	-	-	-	-	"	-	"
10204	"	"	-	-	-	-	-	-	-	"	-	Quarter Moon View

MAGAZINE N

(Frames AS14-74-10205 through 10222)

Magazine N is a 70-mm color magazine taken with the 80-mm lens during the LM separation before landing (two-stage LM). The 18 exposures in the magazine are all of good quality.

Frames 10205 through 10210 record the rendezvous and docking sequence in lunar orbit; frame 10211 was taken in the service module in darkness and was not identified for lack of detail. Frames 10212 through 10222 record the final separation of the LM prior to LM impact on the lunar surface.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine N AS14-74 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10205	12	80mm	-	-	-	-	-	-	-	Good	-	LM Separation Before Landing
10206	"	"	-	-	-	-	-	-	-	"	-	"
10207	"	"	-	-	-	-	-	-	-	"	-	"
10208	"	"	-	-	-	-	-	-	-	"	-	"
10209	"	"	-	-	-	-	-	-	-	"	-	"
10210	"	"	-	-	-	-	-	-	-	"	-	"
10211	"	"	-	-	-	-	-	-	-	"	-	Unidentified
10212	"	"	-	-	-	-	-	-	-	"	-	LM Jettison
10213	"	"	-	-	-	-	-	-	-	"	-	"
10214	"	"	-	-	-	-	-	-	-	"	-	"
10215	"	"	-	-	-	-	-	-	-	"	-	"
10216	"	"	-	-	-	-	-	-	-	"	-	"
10217	"	"	-	-	-	-	-	-	-	"	-	"
10218	"	"	-	-	-	-	-	-	-	"	-	"
10219	"	"	-	-	-	-	-	-	-	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine N A514- 74 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10220	12	80mm	-	-	-	-	-	-	-	Good	-	LM Jettison
10221	"	"	-	-	-	-	-	-	-	"	-	"
10222	"	"	-	-	-	-	-	-	-	"	-	"
				END OF	MAGAZINE							

MAGAZINE R

(Frames AS14-75-10223 through 10320)

Magazine R is a 70-mm black and white sequence of primarily zero phase photography. The 80-mm lens was used throughout the magazine.

Frames 10223 through 10245 are east looking high obliques of zero phase over Prager, Langemak, and Meitner; frames 10246 through 10272 are west looking high obliques of zero phase over the Fra Mauro area; frames 10273 through 10297 are east looking high obliques of zero phase over the Crater Pasteur; and frames 10298 through 10320 are TEI photography of quarter to half moon.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine R AS14-75 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10223	15	80mm	-	6.0°S	129.0°E	55°	88°	80°	ZERO PHASE	Good	-	Looking East to Craters Love and Prager #284
10224	"	"	-	"	128.0°E	40°	90°	"	"	"	-	"
10225	"	"	-	"	127.0°E	55°	87°	"	"	"	-	"
10226	"	"	-	"	124.0°E	50°	80°	"	"	"	-	"
10227	"	"	-	6.5°S	"	"	"	"	"	"	-	"
10228	"	"	-	7.0°S	123.5°E	"	"	"	"	"	-	"
10229	"	"	-	"	"	"	"	"	"	"	-	"
10230	"	"	-	"	122.5°E	55°	"	"	"	"	-	"
10231	"	"	-	"	122.0°E	"	"	"	"	"	-	"
10232	"	"	-	"	"	"	"	"	"	"	-	Looking East from NE Corner of Langemak to Crater Love
10233	"	"	-	"	"	"	"	"	"	"	-	Langemak
10234	"	"	-	"	120.0°E	"	"	"	"	"	-	"
10235	"	"	-	"	"	"	"	"	"	"	-	"
10236	"	"	-	"	119.0°E	"	"	"	"	"	-	"
10237	"	"	-	"	118.0°E	"	"	"	"	"	-	Northeast Edge of Meitner, Langemak

APOLLO 14 FRAME PHOTOGRAPHY

Magazine R AS14-75 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10238	15	80mm	-	8.0°S	115.0°E	55°	90°	80%	ZERO PHASE	Good	-	Meitner, Langemak
10239	"	"	-	9.0°S	"	"	"	"	"	"	-	"
10240	"	"	-	"	114.5°E	"	"	"	"	"	-	"
10241	"	"	-	"	113.0°E	"	"	"	"	"	-	"
10242	"	"	-	9.5°S	112.5°E	"	"	"	"	"	-	"
10243	"	"	-	10.0°S	111.5°E	"	"	"	"	"	-	E Edge Pasteur, Meitner
10244	"	"	-	"	110.0°E	50°	"	"	"	"	-	"
10245	"	"	-	"	109.0°E	55°	"	"	"	"	-	"
10246	"	"	-	11.0°S	05.5°E	"	280°	"	"	Fair	-	Albategnius, Klein
10247	"	"	-	"	04.0°E	60°	"	"	"	"	-	"
10248	"	"	-	"	03.0°E	"	"	"	"	"	-	"
10249	"	"	-	"	"	65°	"	"	"	"	-	"
10250	"	"	-	"	01.0°E	60°	"	"	"	"	-	"
10251	"	"	-	10.0°S	0°	"	"	"	"	"	-	Albategnius, Ptolemaeus
10252	"	"	-	"	"	55°	"	"	"	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine R AS14- 75 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10253	15	80mm	-	10.0°S	2.0°W	60°	280°	80%	ZERO PHASE	Fair	77	Ptolemaeus
10254	"	"	-	9.5°S	3.0°W	"	"	"	"	"	"	"
10255	"	"	-	"	3.5°W	"	"	"	"	"	"	"
10256	"	"	-	9.0°S	4.0°W	"	"	"	"	"	"	Ptolemaeus and Davy G and Y
10257	"	"	-	"	4.5°W	"	"	"	"	"	"	"
10258	"	"	-	"	6.0°W	"	"	"	"	"	"	Ptolemaeus, Davy
10259	"	"	-	"	6.5°W	"	"	"	"	"	"	"
10260	"	"	-	"	7.0°W	"	"	"	"	"	76	"
10261	"	"	-	8.0°S	8.0°W	55°	"	"	"	"	"	Davy, Fra Mauro, Bonpland, Parry, Guericke
10262	"	"	-	"	10.0°W	"	"	"	"	"	"	Fra Mauro, Bonpland, Parry, Guericke
10263	"	"	-	7.5°S	11.0°W	60°	"	"	"	"	"	"
10264	"	"	-	"	12.0°W	"	"	"	"	"	"	"
10265	"	"	-	"	15.0°W	"	"	"	"	"	"	Fra Mauro, Bonpland, Parry
10266	"	"	-	7.0°S	"	"	"	"	"	"	"	"
10267	"	"	-	"	16.0°W	"	"	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine R AS14-75 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10268	15	80mm	-	6.5°S	18.0°W	60°	290°	80%	ZERO PHASE	Fair	76	Fra Mauro, Bonpland, Parry
10269	"	"	-	"	"	"	"	"	"	"	"	"
10270	"	"	-	5.5°S	23.0°W	"	"	"	"	"	"	"
10271	"	"	-	6.5°S	20.0°W	"	"	"	"	"	"	"
10272	"	"	-	"	"	"	"	"	"	"	"	"
10273	16	"	-	7.0°S	117.0°E	55°	90°	"	"	"	83	Looking East to Langemak
10274	"	"	-	8.0°S	115.0°E	"	"	"	"	"	"	"
10275	"	"	-	"	114.5°E	"	"	"	"	"	"	"
10276	"	"	-	"	"	"	"	100%	"	"	"	Looking ENE to Langemak
10277	"	"	-	"	113.0°E	"	"	"	"	"	"	"
10278	"	"	-	"	"	"	"	80%	"	"	"	"
10279	"	"	-	8.5°S	112.5°E	"	"	"	"	"	"	East to Meitner and Langemak
10280	"	"	-	9.5°S	112.0°E	"	"	"	"	"	82	"
10281	"	"	-	"	110.0°E	"	"	"	"	"	"	Pasteur, Meitner
10282	"	"	-	"	109.0°E	"	"	"	"	"	"	"

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Magazine R AS14-75 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10283	16	80mm	-	10.0°S	108.0°E	50°	90°	80%	ZERO PHASE	Fair	82	Pasteur, Meitner
10284	"	"	-	"	105.0°E	"	"	"	"	"	"	" "
10285	"	"	-	"	"	55°	"	"	"	"	"	" "
10286	"	"	-	"	"	"	"	"	"	"	"	Pasteur
10287	"	"	-	"	104.0°E	"	"	"	"	"	"	"
10288	"	"	-	"	103.0°E	"	"	"	"	"	"	"
10289	"	"	-	"	102.0°E	"	"	"	"	"	"	"
10290	"	"	-	"	100.0°E	"	"	"	"	"	"	"
10291	"	"	-	"	99.5°E	50°	"	"	"	"	"	"
10292	"	"	-	"	98.5°E	"	"	"	"	"	"	"
10293	"	"	-	"	"	55°	"	"	"	"	"	"
10294	"	"	-	"	97.5°E	50°	"	"	"	"	"	Pasteur, Blacklund
10295	"	"	-	"	96.0°E	55°	"	"	"	"	"	" "
10296	"	"	-	"	95.0°E	"	"	"	"	"	"	" "
10297	"	"	-	"	94.0°E	"	"	"	"	"	"	" "

APOLLO 14 FRAME PHOTOGRAPHY

Magazine R AS14-75 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10298	TEI	80mm	-	-	-	-	-	-	-	Poor	-	TEI: Crater 282
10299	"	"	-	-	-	-	-	-	-	"	-	"
10300	"	"	-	-	-	-	-	-	Low	Fair	-	TEI: Craters Belvak, Langemak, 287, and Danjon
10301	"	"	-	-	-	-	-	-	"	"	-	"
10302	"	"	-	-	-	-	-	-	"	"	-	Mare Smythii, Craters Pasteur and Hilbert
10303	"	"	-	-	-	-	-	-	"	"	-	"
10304	"	"	-	-	-	-	-	-	"	"	-	Mares Crisium, Mareinus, and Smythii
10305	"	"	-	-	-	-	-	-	"	"	-	Craters Goddard, Al-Biruni, and Hertz
10306	"	"	-	-	-	-	-	-	"	"	-	Craters Joliot, Maxwell, and Lomonosov
10307	"	"	-	-	-	-	-	-	"	"	-	Mare Smythii, Craters Pasteur and Joliot
10308	"	"	-	-	-	-	-	-	"	"	-	Mare Smythii, Craters Pasteur and Belvar
10309	"	"	-	-	-	-	-	-	"	"	-	Mare Crisium, Mare Smythii, Crater Goddard
10310	"	"	-	-	-	-	-	-	"	"	-	Craters Sabry, Riemann, and Hertz
10311	"	"	-	-	-	-	-	-	"	"	-	Craters Moiseev and Seyfert
10312	"	"	-	-	-	-	-	-	"	"	-	Mare Smythii, Craters Joliot and Seyfert

APOLLO 14 FRAME PHOTOGRAPHY

Magazine R AS14-75 Film 3414, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10313	TEI	80mm	-	-	-	-	-	-	Medium	Good	-	Mare Smythii, Craters Pasteur, Hilbert and Alden
10314	"	"	-	-	-	-	-	-	"	"	-	Mare Crisium, Mare Smythii, Craters Joliot and Seyfert
10315	"	"	-	-	-	-	-	-	"	"	-	Craters Joliot, Seyfert and King
10316	"	"	-	-	-	-	-	-	"	"	-	"
10317	"	"	-	-	-	-	-	-	"	"	-	"
10318	"	"	-	-	-	-	-	-	"	"	-	"
10319	"	"	-	-	-	-	-	-	"	"	-	"
10320	"	"	-	-	-	-	-	-	"	"	-	"
				END OF	MAGAZINE							

MAGAZINE O

(Frames AS14-76-10321 through 10356)

Magazine O is an 80-mm focal length color magazine taken in the service module. The overall quality of the photos in this magazine is fair to poor.

Frames 10321 through 10331 show closeup views of the docking probe and a portion of the control panel. All these shots suffer from extremely limited depth-of-field with the probe being out of focus. Frame 10332 is black. Frames 10333 through 10346, taken in darkness, show the instrument panel while frames 10347 through 10356 are high-altitude views of earth.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine 0 AS14- 76 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10321	-	80mm	-	-	-	-	-	-	-	Poor	-	Docking Probe and CSM Instrument Panel
10322	-	"	-	-	-	-	-	-	-	"	-	Poor Focus, Limited Depth-of-Field
10323	-	"	-	-	-	-	-	-	-	"	-	"
10324	-	"	-	-	-	-	-	-	-	"	-	"
10325	-	"	-	-	-	-	-	-	-	"	-	"
10326	-	"	-	-	-	-	-	-	-	"	-	"
10327	-	"	-	-	-	-	-	-	-	"	-	"
10328	-	"	-	-	-	-	-	-	-	"	-	"
10329	-	"	-	-	-	-	-	-	-	"	-	"
10330	-	"	-	-	-	-	-	-	-	"	-	"
10331	-	"	-	-	-	-	-	-	-	"	-	"
10332	-	"	-	-	-	-	-	-	-	Black	-	-
10333	-	"	-	-	-	-	-	-	-	Poor	-	CSM Instrument Panel
10334	-	"	-	-	-	-	-	-	-	"	-	"
10335	-	"	-	-	-	-	-	-	-	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine 0 AS14-76 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10336	-	80mm	-	-	-	-	-	-	-	Poor	-	CSM Instrument Panel
10337	-	"	-	-	-	-	-	-	-	"	-	"
10338	-	"	-	-	-	-	-	-	-	"	-	"
10339	-	"	-	-	-	-	-	-	-	"	-	"
10340	-	"	-	-	-	-	-	-	-	"	-	"
10341	-	"	-	-	-	-	-	-	-	"	-	"
10342	-	"	-	-	-	-	-	-	-	"	-	"
10343	-	"	-	-	-	-	-	-	-	"	-	"
10344	-	"	-	-	-	-	-	-	-	"	-	"
10345	-	"	-	-	-	-	-	-	-	"	-	"
10346	-	"	-	-	-	-	-	-	-	"	-	"
10347	-	"	-	-	-	-	-	-	-	"	-	High Altitude Earth View
10348	-	"	-	-	-	-	-	-	-	"	-	"
10349	-	"	-	-	-	-	-	-	-	"	-	"
10350	-	"	-	-	-	-	-	-	-	Fair	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine 0 AS14 - 76 Film SO-368, Color

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10351	-	80mm	-	-	-	-	-	-	-	Fair	-	High Altitude Earth View
10352	-	"	-	-	-	-	-	-	-	"	-	"
10353	-	"	-	-	-	-	-	-	-	"	-	"
10354	-	"	-	-	-	-	-	-	-	"	-	"
10355	-	"	-	-	-	-	-	-	-	"	-	"
10356	-	"	-	-	-	-	-	-	-	Clear	-	-
				END OF	MAGAZINE							

MAGAZINE S

(Frames AS14-78-10375 through 10399)

Magazine S consists of 70-mm black and white stereo photography taken with the 80-mm lens. All of these frames are of very poor quality. Ninety percent of the frames have no visible image while the other 10 percent have very light or blurred images.

APOLLO 14 FRAME PHOTOGRAPHY

Magazine S AS14- 78 Film SO-2485, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10375	-	80mm	-	-	-	-	-	-	12°	Poor	76	View of Lunar Surface Over-Exposed
10376	-	"	-	-	-	-	-	-	"	"	"	"
10377	-	"	-	-	-	-	-	-	"	"	"	"
10378	-	"	-	-	-	-	-	-	"	"	"	"
10379	-	"	-	-	-	-	-	-	-	"	-	No Visible Image
10380	-	"	-	-	-	-	-	-	-	"	-	"
10381	-	"	-	-	-	-	-	-	-	"	-	"
10382	-	"	-	-	-	-	-	-	-	"	-	"
10383	-	"	-	-	-	-	-	-	-	"	-	"
10384	-	"	-	-	-	-	-	-	-	"	-	"
10385	-	"	-	-	-	-	-	-	-	"	-	"
10386	-	"	-	-	-	-	-	-	-	"	-	"
10387	-	"	-	-	-	-	-	-	-	"	-	"
10388	-	"	-	-	-	-	-	-	-	"	-	"
10389	-	"	-	-	-	-	-	-	-	"	-	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine S AS14 - 78 Film SO-2485, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10390	-	80mm	-	-	-	-	-	-	-	Poor	-	No Visible Image
10391	-	"	-	-	-	-	-	-	-	"	-	"
10392	-	"	-	-	-	-	-	-	-	"	-	"
10393	-	"	-	-	-	-	-	-	-	"	-	"
10394	-	"	-	-	-	-	-	-	-	"	-	"
10395	-	"	-	-	-	-	-	-	-	"	-	"
10396	-	"	-	-	-	-	-	-	-	"	-	"
10397	-	"	-	-	-	-	-	-	-	"	-	"
10398	-	"	-	-	-	-	-	-	-	"	-	"
10399	-	"	-	-	-	-	-	-	-	"	-	Blurred Image
				END OF	MAGAZINE							

MAGAZINE V

(Frames AS14-79-10400 through 10435)

Magazine V contains 36 frames of SO-249 black and white photography. All of the frames contain blurred single images, due to a shutter malfunction. The shutter operated continuously, slamming against the stops at either side. This magazine has not been plotted since all the photographs are blurred.

Hycon

MAGAZINE W

(Frames AS14-80-10436 through 10642)

Magazine W contains 207 frames of usable black and white 3400 photography. The lunar topographic camera with an 18-in. lens was used to acquire the data on a low orbit bootstrap (vertical stereo strip) on revolution 4. The strip was originally planned to cover from 30°E to 9.5°E on the track of the Descartes (Apollo 16) landing site. Camera malfunctions occurred, however, after the 207th frame. At this point, 17.4°E and 9.3°S, photography ceased to be usable. The resulting stereo strip, from 28.1°E to 17.4°E, is of good quality. The coverage limits are approximately 3 n.m. by 170 n.m. and extend from the eastern rim of Theophilus to Dollond MA at the western extremity.

A strip of blank frames occurs at Kant E and extends west to Kant M (14 frames). The altitude for this pass varies from 10 n.m. and 12 n.m., depending on the ground elevation.

The ground detection limits, depending on the altitude of the spacecraft above lunar terrain, range from 2 to 3 meters. Although the overall quality of the sequence is good, several frames appear to be blurred on the edges.

NASA frame numbers which correspond to this index are:

1 through 207 = 80-10436 through 10642

APOLLO 14 FRAME PHOTOGRAPHY

Magazine W AS14-80 LTC Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10436	4	18"	1:41,280	11.3°S	28.1°E	Ver-tical	0	60%	45°	Good	78	1st Frame of Low Orbit Boot Strap, (Vertical strip of
												Descartes NE Rim of Theophilus Approx. Recognition Limits 2.1m
10440	"	"	"	11.3°S	27.8°E	"	"	"	"	"	"	"
10445	"	"	"	11.2°S	27.5°E	"	"	"	"	"	"	"
10450	"	"	1:48,000	"	27.3°E	"	"	"	"	"	"	NE Floor of Theophilus Approx. Recognition Limits 2.5m
10455	"	"	"	11.1°S	27.0°E	"	"	"	44°	"	"	"
10460	"	"	"	"	26.8°E	"	"	"	"	"	"	"
10465	"	"	"	11.0°S	26.5°E	"	"	"	"	"	"	N Central Floor of Theophilus Approx. Recognition Limits 2.5m
10470	"	"	"	"	26.2°E	"	"	"	"	"	"	"
10475	"	"	"	10.9°S	26.0°E	"	"	"	43°	"	"	Northwest Floor of Theophilus
10480	"	"	"	"	25.7°E	"	"	"	"	"	"	"
10485	"	"	"	10.8°S	25.5°E	"	"	"	"	"	"	"
10490	"	"	"	10.7°S	25.2°E	"	"	"	"	"	"	Northwest Floor of Theophilus Rim of Theophilus B
10495	"	"	1:41,470	"	24.9°E	"	"	"	42°	"	"	Northwest Rim of Theophilus Approx. Recogn. Limits 2.1m
10500	"	"	"	10.6°S	24.7°E	"	"	"	"	"	"	"

APOLLO 14 FRAME PHOTOGRAPHY

Magazine W AS14 - LTC Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10505	4	18"	1:41,470	10.6°S	24.4°E	Vertical	0	60%	42°	Good	78	Northeast of Cyrillus M Approx. Recog. Limits 2.1 m
10510	"	"	"	"	24.2°E	"	"	"	"	"	"	North of Cyrillus M Approx. Recog. Limits 2.1 m
10515	"	"	"	10.5°S	23.9°E	"	"	"	41°	"	"	Northwest of Cyrillus M Approx. Recog. Limits 2.1 m
10520	"	"	"	"	23.6°E	"	"	"	"	"	"	No Named Features, Ridge with Crater
10525	"	"	"	10.4°S	23.4°E	"	"	"	"	"	"	No Named Features
10530	"	"	"	"	23.1°E	"	"	"	40°	"	"	"
10535	"	"	"	10.3°S	22.9°E	"	"	"	"	"	"	No Named Features 2-km Crater
10540	"	"	"	"	22.7°E	"	"	"	"	"	"	No Named Features
10545	"	"	"	10.2°S	22.4°E	"	"	"	"	"	"	"
10550	"	"	"	"	22.2°E	"	"	"	"	"	"	"
10555	"	"	1:37,000	10.1°S	21.9°E	"	"	"	39°	10553-10555 Blurred	"	No Named Features Approx. Recog. Limits 1.9 m
10560	"	"	"	"	21.7°E	"	"	"	"	"	"	"
10565	"	"	"	10.0°S	21.4°E	"	"	"	"	"	"	No Named Features 4-5 km Crater
10567		Blank Frames 10567-10581										
10582	4	18"	1:37,000	9.9°S	20.5°E	Vertical	0	60%	38°	Good	78	North Rim of Kant M

APOLLO 14 FRAME PHOTOGRAPHY

Magazine W AS14- LTC Film 3400, BW

Time Reference GET GMT

Frame No.	Rev. No.	Camera f Length	Approx. Photo Scale	Principal Point		Approx. Tilt Data		Fwd O/L	Approx. Sun Angle	Photo Quality	Photo Index Area	Description
				Lat.	Long.	Angle	Azimuth					
10585	4	18"	1:37,000	9.8°S	20.4°E	Ver-tical	0	60%	38°	Good	78	Large Crater 3-4 km Dia. on Northwest Rim of Kant M
10590	"	"	"	"	20.2°E	"	"	"	"	"	"	No Named Features
10595	"	"	"	9.7°S	19.9°E	"	"	"	37°	"	"	Northeast of Kant N
10600	"	"	"	"	19.7°E	"	"	"	"	"	"	North Rim of Kant N
10605	"	"	"	9.6°S	19.5°E	"	"	"	"	"	"	Lower Limits of Kant G in Area of DE-2
10610	"	"	"	"	19.2°E	"	"	"	"	"	"	"
10615	"	"	"	"	18.9°E	"	"	"	36°	"	"	Between Kant G and Kant B
10620	"	"	"	9.5°S	18.7°E	"	"	"	"	"	"	Northeast Rim of Kant B
10625	"	"	"	"	18.5°E	"	"	"	"	"	"	Northwest Rim of Kant B
10630	"	"	"	"	18.2°E	"	"	"	"	"	"	West of Kant B
10635	"	"	"	9.4°S	17.9°E	"	"	"	35°	"	"	"
10640	"	"	"	"	17.7°	"	"	"	"	"	"	"
10642	"	"	"	9.3°S	17.5°E	"	"	"	"	"	"	Last Frame Plottable on 18" Stereo Strip
			REMAINDER OF MAG. W NOT PLOTTABLE									

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: E Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
No Frame Count Made on This Mag.		Interior Activity: Eating, Shaving, Exercising	Fair to Good Detail

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: F Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
No Frame Count Made on This Mag.		Waste Water Dump and Ice Crystals	Good Photography

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: G Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
No Frame Count Made on This Mag.		Inflight Demonstration - Heat Flow	Good Detail

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: H Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
No Frame Count Made on This Mag.		Inflight Demonstration - Liquid Transfer	Good Detail
		Interior Activity: Shaving, Eating	Good Detail

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: I Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
No Frame Count Made on This Mag.		Reentry, Fireball, Chutes Poor Photography	Most Frames Light Toned Very Light Imagery Visible No Recognizable Features

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: X Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
No Frame Count Made on This Mag.		Interior Activity	Poor to Fair Detail

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: C Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
No Frame Count Made on This Mag.		LM Undocking Taken from CSM	Fair Quality

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: D Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
1-911	12°S, 73.5°E to 12°S, 58°E	CSM Photography of LM Approach for Docking. Lunar Surface in Background: Southern Half of Kapteyn; Northern Part of Kapteyn C; Southern Portion of Langrenus A; Northern Part of Lame; Langrenus P	Short Sequence, Good Detail of Lunar Surface
912-2735		LM Docking with CSM	Good Quality
2736-5133		LM Jettison	Fair Quality

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: A Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
No Frame Count Made on Mag. A		Transposition and Docking	Good Quality

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: B Film: 16mm, Color

PROJECT FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
1-492 (Rev. 2)	3°S, 5°W	Mosting A, Low Sun Angle, Fair Detail	Complete Magazine Landmark Tracking, Photography Through Sextant
601-690 (Rev. 12)	4°S, 13°W	LDMK Track (14-K)	Fair Quality Circularize
691-840 (Rev. 13)	4°S, 16°W	LDMK Track (14-1)	Good Quality
841-1018 (Rev. 15)	4°S, 132°E	LDMK Track (RP-3)	Good Quality
1019-1162 (Rev. 15)	11°S, 99°E	LDMK Track (RP-5)	Good Quality
1163-1422 (Rev. 15)	12°S, 33°E	LDMK Track (Daguerre)	Good Quality
1423-1615	4°S, 16°W	LDMK Track (14-1)	Good Quality
1616-1779 (Rev. 18)	0.5°S, 141°E	LDMK Track (RP-2)	Good Quality
1780-1968 (Rev. 18)	5.5°S, 112°E	LDMK Track (12-1)	Fair Quality
1969-2161 (Rev. 18)	11°S, 15.5°E	LDMK Track (Dollond E)	Good Quality
2162-2219 (Rev. 18)	3°S, 16°W	Fra Mauro H, Fra Mauro-1	Good Quality CSM Plane Change
2220-2359 (Rev. 29)	6°S, 120°E	LDMK Track (RP-4)	Good Quality
2375-2535 (Rev. 29)			
2535-2727 (Rev. 29)	11.5°S, 81°E	LDMK Track (Ansgarius N)	Good Quality
2728-2898 (Rev. 29)	9.5°S, 19.5°E	LDMK Track (DE-2)	Fair Quality
2899-3038 (Rev. 29)	0.0°, 40°W	LDMK Track (Encke E)	Good Quality

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: AA Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
1-410	Rev. 12, Approximately 14°S, 65°E	Short Sequence of CSM after Undocking, Lunar Surface in Background	High Sun Angle, Poor to Fair Quality, Surface Features Unidentified Imagery Not Plotted
411-766	6°S-4°W to 2°S-25°W	Lalande C, South Half of Lalande, Lalande ω (Omega), Turner M, Turner L, Turner (Tau), Turner K, Fra Mauro Z, Fra Mauro K, Fra Mauro J, Fra Mauro T, Fra Mauro ν (Nu), Lansberg σ (Sigma), Lansberg β (Beta)	Good Quality, Low Obliques, Low Sun Angle
1043-5384	6°S-5°W to 3.5°S-17.5°W	LM Descent: Cone, North Triplet	Good Detail

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: BB Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
1-4120	3.5°S, 17.5°W to 2°S, 21°W	LM Ascent: Flag, ALSEP, Doublet, Star, Fra Mauro ν (Nu)	Good Quality

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: CC Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
1-4452	3.5°S, 17.5°W	Photography of LM, Mitchell Disembarking, Flag Placement and Setting Up ALSEP	Poor to Good Detail

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: EE Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
1-1200	Fra Mauro Landing Site	Setting Up ALSEP	Good Detail

APOLLO 14, DAC, 16mm MAGAZINE INDEX

Magazine: GG Film: 16mm, Color

PROJECTION FRAME COUNT	LOCATION	DESCRIPTION	REMARKS
No Frame Count Made on This Mag.		Pre-docking Approach from CSM	Good Detail

APOLLO 14 LUNAR CLOSEUP STEREOSCOPIC PHOTOGRAPHY (35-mm)

(Frames AS14-77-10357 through 10374)

The 17 high-resolution stereoscopic frames (of the 18 frames exposed, 17 were usable) were exposed during lunar surface EVA using the 35-mm camera with SO-368 color film. These frames provide a closeup view of the lunar surface covering an area of 72 mm by 82.8 mm.

PHOTO INDEX AREA LOCATION DIAGRAM

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LUNAR FARSIDE CHART

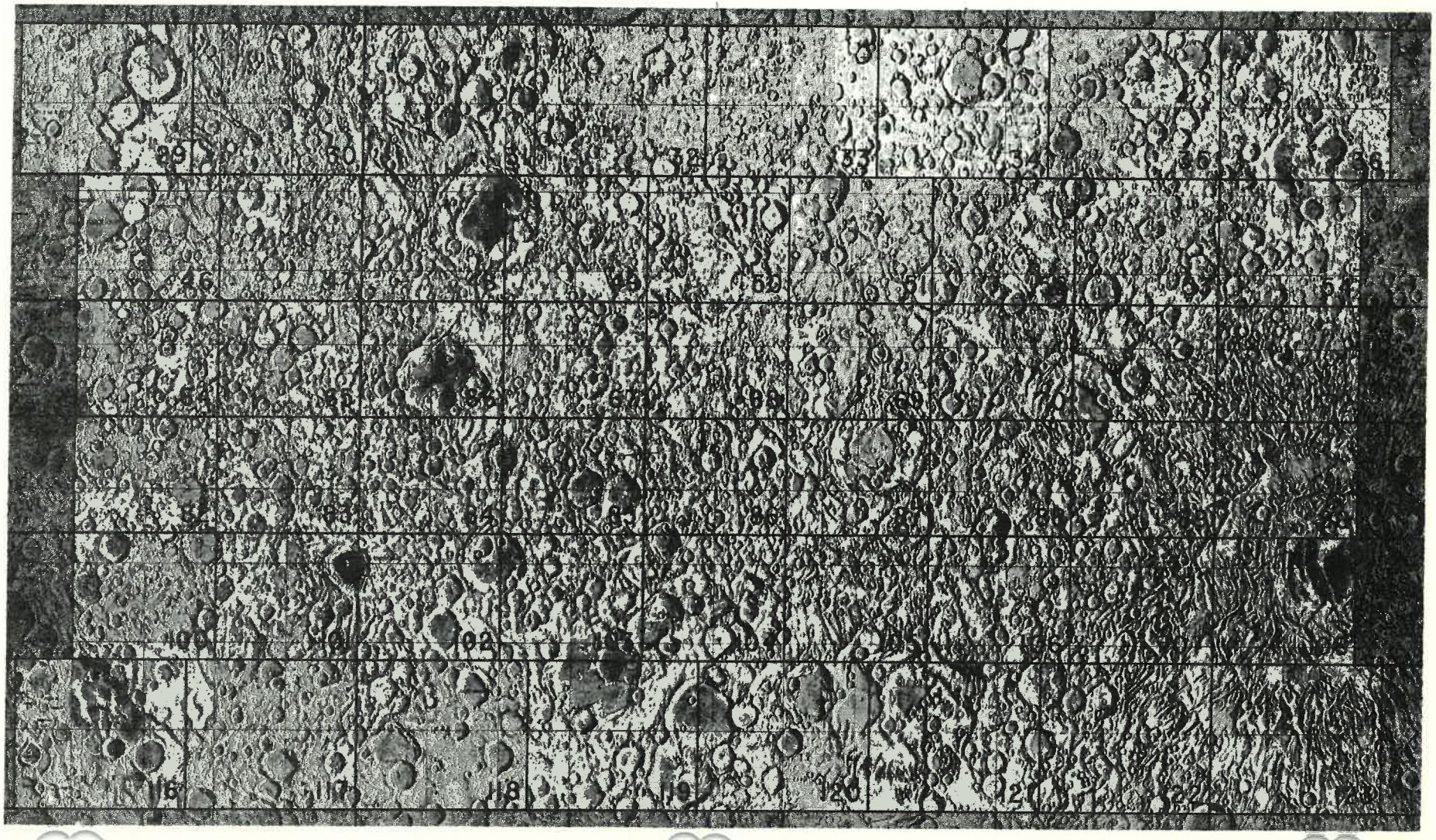

PHOTO INDEX AREA LOCATION DIAGRAM

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

LUNAR EARTHSIDE CHART