

# PART II

# APOLLO 14 PHOTOGRAPHY

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

**AUGUST 1971** 



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NATIONAL SPACE SCIENCE DATA CENTER

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION - GODDARD SPACE FLIGHT CENTER, GREENBELT, MD.

#### Part II

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

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#### 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.

Magazine \_\_\_\_\_ A\$14-<u>64</u> Film <u>SO-267, BW</u>

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Frome	Rev.	Camera	Approx.	Pri	ncipal oint	Ap Tili	prox. · Data	Fwd	Approx. Sun	Photo	Photo Index	Description
NU,		r Lengin	T Hold Scale	Lat.	Long.	Angle	Azimuth		Angle	Quality	Area	
9046	Sur- face	60mm	-	-	-	-	S	-	24°	Good	-	Pan of Core Tube
9047	"	11	_	_	-	-	11	-	н	11	-	11
9048	"	**	-	-	-	-	SW	-	IT		-	Pan of Core Tube LM in Background
9049	17	**	-	7 -	-	-	W	-	<b>†1</b>	71	-	LM in Background 360° Pan from EVA 2
9050		Ħ	-	-	-	-	11	-	•	11	_	11
9051	11	11	-	-	-	-		-	11		-	"
9052	H.	11	-	-		-	N	-	IT	11	-	
9053		**	<u>-</u> 2	-		<u>*</u>	11	-	**	**	-	IT
9054	11	11	-	-	-	-	11	-	77	17	-	Modular Equipment Transporter 360° Pan from EVA 2
9055	- 11	11	-	-	-	-	н		19	11	-	17
9056	"	11	-	-	-	-	71	-	TÍ		-	11
9057	м	11	-	-	-	-	11	-	11		-	11
9058	11	11		-	-	-	NE	-	11	11	-	11
9059	11	IT	-	-	-	-	н	-	11	11	-	11
9060	11	н	-	-	-	-	11	-	17	11	-	11

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Magazine <u>LL</u> AS14-<u>64</u> Film <u>SO-267, BW</u>

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Frame	Rev.	Comero	Approx.	Pri: P	ncipal oint	App Tilt	orox. Data	Fwd	Approx,	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9076	Sur- face	60mm	-	-	-	-	w	-	24°	Goòd	-	360° Pan from EVA 2
9077	11	17	<i>"</i>	-	-	-	11 -	-	TT	••	-	11
9078	11	"	-	-	-	-	N	-	ŦŦ	"	-	"
9079	"		_	-	_	-	н	-	11	н	-	360° Pan from EVA 2 Small Crater
9080	11	"	-	-	-		H.	1	91	17	_	11
9081	11	**	-	-	-	-	н	-	11	11	-	17
9082	"	17	-	-	-	-	NE	-	11	11	-	360° Pan from EVA 2
9083	11	11	-	-	-		11	-	11	11	-	н
<b>9</b> 084		17	-	-	-	L	"	1	"	11	-	11
9085	"	11	-	-	-	-	Е	-	11	71	-	H
9086	**	17	-	-	-	-	Ħ	-	79	11	-	н
9087	"	11	-	-	-	-	11	-	17	**	-	
9088	"	11	-	-	-	-	SE	-	TF	11	-	360° Pan from EVA 2 Astronaut Mitchell
9089	"	11	-	-	-	-	11	-	11	11	-	"
9090	17	11	-	-	-	-	11	-	11	11	-	11

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Magazine \_\_\_\_\_ A\$14-\_\_64 \_\_\_\_ Film <u>SO-267, BW</u>

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Frame	Rev.	Camera	Approx.	Pri P	ncipal . oint	Ap Tilt	prex. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9061	Sur- face	60mm	-	-	-	-	E	-	24°	Good	-	360° Pan from EVA 2
9062	"	н	-	-	-	-	"	-	11	11	_	11
9063	"	71	-	-	-	-	11	-		11	_	17
9064	"	**	-	-	-	-	11	-		Ħ	-	17
9065	"	H	-	-	-	-	SE	-	77	н	-	Pan of Small Boulders
9066	17	"	-	-	-	-	s	-	31	н	-	11
9067	11	"	-	-	-	-	"	-	11	"	-	н
9068	"	17	-	_	-	-		-	ŤT		-	11
9069	11		-	-	-	-	H	1	н Н	11	-	11
9070		11	-	-	-	-	It	-	11	н	-	
9071	п	"	-	-	-	-	SW	-	#1	11	ł	11
9072	11	**	-	-	-	-	11	-	<b>T1</b>	"	-	11
9073	11	11	-	-	_	-	NW	-	**	11	-	Photo of Gnomon
9074		11	-	-	-	-	ίĭ	-	It	17	-	11
9075	11	11	-	-	-	-	W	-	11	11	-	360° Pan from EVA 2

Magazine \_\_\_\_\_\_ AS14-\_\_\_\_ Film \_\_\_\_\_ SO-267, BW

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Frame Rev. Camera No. No. f Length	Approx.	Pri P	ncipal oint	Ap Tili	prox. Data	Fwd	Approx.	Photo	Photo	Description		
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9091	Sur- face	60mm	- "	-	-	-	s	-	24°	Good	-	Taken from Flank of Cone 360° Pan from EVA 2
9092	"	н	-	-	-	-	н	-	11		-	11
9093	11	11	-	-	-	-	11	-	11	11	-	360° Pan from EVA 2 Modular Equipment Transporter
9094		21	-	_ 95%	-	-	SW	-	t1	Ħ	-	(M.E.T.) "
9095	"	H	-	-	-	-	11	-	77	"	-	LM in Distance, 360° Pan from EVA 2, M.E.T.
9096	"	17	2 -	-	-	-	W	-	11	н	-	LM in Distance 360° Pan from EVA 2
9097		11	-	-	-	-	11	-	11	11	-	11
9098	"	11	-	-	-	-	11	-	**	17	-	360° Pan from EVA 2
9099	- 11	н	-	-	-	-	11	-	11	H	~	11
9100	11	11	-	-	-	-	N	-	17	77	-	17
9101	"	11	-	-	-	-	11	-	17	н	-	17
9102	"	"	-	-	-	-	"	-	11	11	-	17
9103	н	**	_	-	-	-	11	-	11	н	-	11

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Frame	Rev.	Camera	Approx.	Pri P	ncipal oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat,	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9106	Sur- face	60mm	-	-	-	-	NE	-	24°	Good	-	360° Pan from EVA 2
9107	"	**	-	-	-	-	н	-	11	-11	-	"
9108	"	11	-	-	-	-	D) IT	-	Ц	11	-	**
9109		11	-	-	-	-	Е	1	IT	17	-	17
9110		н	-	-	-	-	ŧ	-		17	-	11
9111	11	11	-	-	-	-	**	-	11	u	-	11
9112	91	11	-	-	-	-	"	1	tt	11	-	U
9113	11	11	-	-	-	-	SE	1	U	u	-	11
9114	71	н	-	-	-	-	11	-	ŧ		-	Old Nameless in Background 360° Pan from EVA 2
9115	11	н	_	-	-	-	11	-	17	11	-	"
9116	11	н	-	-	-	-	S	-	17	11	-	H
9117	11 -	н	_	-	-	1	11	-	11	11	-	11
9118	н	11	-	-	-	-	11	-	11	ŧ	-	11
9119	н	11	-	-	-	-	SW	-	79	11	-	M.E.T. 360° Pan from EVA 2
9120	11	11	-	-	-	-	W	-	11	11	-	*

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Frame	Rev.	Camera	Approx.	Pr F	incipal . Point	Ap Til	prox. † Data	Fwd	Approx.	Photo	Photo	Development
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9121	Sur- face	60mm	-	-	-	-	W	-	24°	Good		M.E.T., 360° Pan from EVA 2
9122		111	-		_	_	ņ	-	11	11	-	11
9123	n		-				s	-	. FT	11	_	Pan of Gnomon EVA 2
9124	"	91	-	_	-	-		-	н	**	-	11
9125	п	11	_	_	_	-	N	-	IT	17	_	н
9126	n		_	_	-	-	"	-	11	H	-	11
9127	11	11	_	_	_	-	**	_	17	**	_	17
9128	11		-	-	_	_	IT	-	11	11	-	11
9129	,,	11	-	-	-	-	11	-	15 IC	11	-	u
9130	н	11	-	-	_	_	s	-	.,	13	-	Old Nameless in Background Pan of Large Rock EVA 2
9131	11	н	_	-	-	-		-	**	11	-	"
9132	11	**	-	_		_	н	-	11	11	_	11
9133	11	17	-	_	-		11	-	11		-	11
9134	н		-			-	N	-		11	-	Large Rock
9135	"	TÌ	-	-	-	-	17	-	Ŧ	11	-	11

Magazine \_\_\_\_\_\_ AS14-\_\_64 \_\_\_\_ Film \_\_\_\_S0-267 , BW

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Frame	Rev.	Camera	Approx.	Pric Pr	ncipal aint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	Na.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9136	Sur- face	60mm	-	-	-	-	NW	-	24°	-	_	Large Rock
9137				_	_	_		_	n	_	_	Mitchell and M.E.T.
9138			-	-	-	-	н	_	**	-	-	Mitchell and M.E.T. LM in Background
9139	11	11		_	_	-	W	-	11	-	-	11
9140	"		_	-	-	-		-	11	-	-	
9141			<u> </u>	-	-	_	NW	-	11	-	-	360° Pan from EVA 2
9142	"	11	_	-	-	_	11	-	71	_	-	n
9143			-	-	-	_	N	-	**	-	_	
9144		**	_	_	-	-		-	*1	-	_	н Б
9145		11	_	-	_	-	11	-	11	-	-	
9146		71	_	_	-	_	NE	_	Ħ	-	_	
9147		1	_	_	-	_		-	н	-	-	
9148		11	-	_	_	_	Е	-	11	-	-	11
9149		11	-	-	-	_	**	-	11	-	-	IT
9150	11	н	-	-	-	-	SE	-	11	-	-	11

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Frame	Rev.	Camera	Approx.	Pr	incipal 'oint	Ap Tili	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9151	Sur- face	60mm	+	-	-	-	SE	-	24°	Göod	-	Old Nameless in Background 360° Pan from EVA 2
9152	,,	11	_		_	_	s	-	н	17	-	н
9153		н	-	-	-	-	11	-		19	-	н
9154	н	11	-	_	_	-	11	-	11	Ħ	-	11
9155	- 11		-	_	-	-	SW	_			-	11
9156	11	11	_	-	_	-	ŦŦ	_	**		_	"
9157	11	11	_	_	_	-	н	-	11	17	-	17
9158		17	-	_	_	-	S	-	**	11	-	Pan of Footprint Trench
9159		н	_	-	-	~	"	-	11	11	_	17
9160	"	**	_	-	_	_	SW	I	11	11	_	11
9161		11	_	-	-	_	11	-	**	11	-	
9162	11	81	-	_	_	_		_	"		_	11
9163		11	_	_	_	_	н	-	11	17	-	11
9164	17	17	_	-	-	-	NE	-	'n	11	-	11
9165		17		-	-	-	"	-	11	11	-	17

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Magazine <u>LL</u> A\$14-<u>64</u> Film <u>SO-267, BW</u>

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Frame	Rev.	Comera	Approx.	Prin Po	cipal int	App Tilt	orox. Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	<b>Beachphon</b>
9166	Sur- face	60mm	-	-	-	-	W	<u>.</u>	24°	-	-	Pan of Footprint Trench
9167	п	11	_	_	_	_	н	_	11	_	_	LM in Background 360° Pan from EVA 2
9168	11	н	-	_	-	_	н	-	11	-	-	11
9169	17	11	_	-	-	-	NW	-	11	-	_	11
9170	11	11	-	_	_	-		-		_	_	11
9171	17	17	-	_	_	-	N	-		_	-	11
9172	11	17	_	_	_	- _		_	н	-	_	
9173	,,		-	_	_	-	NE	-	ŤI	_	-	Mitchell and M.E.T. 360° Pan from EVA 2
9174	,,	11	-	_	-	-	11	-	11	-	_	11
9175	"	17	_	-	_	_	Е	_	11	-	_	Tracks of M.E.T. 360° Pan from EVA 2
9176	н	27	-	- -	-	_	н	-	11	-	-	11
9177	11	11	_	-	-	_	н	-	11	_	<u> </u>	11
9178	н	11	_	-		_	SE	-	11	-	-	11
9179	н	2	-	_	-	-	17	_	17	-	_	11
9180			_	_	-	_	S	-	It	-	-	11

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Frame	Rev,	Camera	Approx.	Pri P	ncipal oint	Ap Tit	prox. † Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9181	Sur- face	<u>60mm</u>	-	-	_	-	s	-	24°	Good	-	360° Pan from EVA 2
9182					-		"	-	11		_	11
9183	,,	**			-		Н	_	н		-	
9184	,,	11	-				SW	-	**		-	п
9185	,,	"	-	_		-		-	TT	11	-	11
9186		17		-	_	-	-11	-	11	11	_	11
9187		11	-	_	-	_	W	_	**	**	_	LM in Background 360° Pan from EVA 2
9188	.,		_	-			-	-		11	-	Photo of Gnomon and LM
9189	11	11	_	_	_	-	_	_	Low	Dark	-	Earth Crescent and LM Taken from Surface
9190		11	_	_	_	_	-	_	**	11	-	н
9191	п	u	_	_	_	_	· _	-	п	IT.	-	11
9192	н		-	_	_	_	_	_	71	"	_	
9193	11	11	_	_	-	_	_	_	11	,,	_	н
9194	11	17	-	-	-	-	-	_	11	11	_	11
9195	**	11	_		-	_	-	_	11		_	11

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Frame	Rev.	Camera	Approx.	Prin Po	cipal int	App Tilt	Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	·
9196	Sur- face	60mm	-	_	_	-	-	-	Low	Dark	-	Earth Crescent and LM Taken from Surface
0107		11	_	_	_	-	-	-	11	**	-	11
0108	<b>,</b> ,		_	_	_	_	SW	_	24°	Good	_	Solar Wind Panel
9190			_	_	-	_	••	_	ŦŦ	71	_	11
9200	11	11	_	_	_	-	н	-	11	Ħ	_	11
9200		H	-	_	_	_	,,	_	11	17	-	lf
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#### MAGAZINE KK

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### (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.

Magazine <u>KK</u> AS14-<u>65</u> Film <u>SO-267, BW</u>

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Frame	Rev.	Camera	Approx.	Prin Po	ncipal pint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Development
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Sun Angle	Quality	Area	Description
9202	Sur- face	60mm	Surface Oblique	NA	NA			NA	12°	Good	76	View From LM Window to NW
9203	11	11	11	н	**			77	11	11	11	н
9204	- 11	21	11	11	**			71	11	11	**	п
9205	17	11	11	71	11			**	11	11	**	и
9206	"	81	71	11	н			11	"	11	99	View From LM Window to WNW
9207		11	11	н	H IS			11	11	71	**	11
9208		"	**	"	11			"	"	11	17	View From LM Window to NW
9209	н	11		"	11					11	87	View From LM Window to SW
9210	н	**		"	11				**	77	89	"
9211	н	**	**	"	н			и		17	11	View From LM Window to WSW
9212			11	11	11				17	11	11	View From LM Window to W
9213	u	,,	17	11	11			11	17	tt	H	11
9214	11	11		97	"			11	17	H	It	11
9215	11	11	11	**	*1			11	11	11	11	11
			END OF	MAGAZIN	E							

#### 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.

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Magazine <u>II</u> <u>A\$14-\_66</u> Film <u>S0-168</u>, Color

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Frame	Rev,	Camero	Approx,	Pri P	ncipal oint	Ap) Tilt	prox. Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9216	12	60mm	-	-	-	-	-	-	High	Good	-	View from LM Window During Lunar Orbit Showing the CSM
9217	11	IT	-	-	-	-	-	-	11	"	-	*1
9218	11	11	-	-	-	-	-	-	11		-	11
9219	••	**	-	-	-	-	-	-		н	-	11
9220	"		-	-	-	-	-	-	11	11	-	11
9221	11	11	-	-	-	-	-	-	*1	11	-	11
9222	"	11	-	-	-	-	-	-	"	H	-	11
9223	"		-	-	-	-	-	-	11	н	-	11
9224	14	**	-	9.0°S	105.0° E	-	260°	-	50°	+1	82	Earthrise from LM near Pasteur Crater
9225	н	IT	-	11	104.0° E	-	"	80%	77	11	TT	11
9226	11	11	-	**	103.0° E	-	н	11	11	11	н	"
9227	"	11	-	HOR I	ZON	-	255°	11	11	11	11	11
9228	н	11	-	11	н	-		"	11	11	**	11
9229	-	н	-	-	-	-	- 1	-	12°		-	Cdr. Shepard on Lunar Surface from LM Looking NW
9230	-	11	-	-		-	-	-	. 11	11	-	11

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Frame	Rev.	Camera	Ápprox.	Pri	ncipal . pint	Ap) Tilt	orox. Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9231	NA	60mm	NA	-	-	-	-	-	12°	Good	76	Cdr. Shepard on Lunar Surface from LM Looking NW
9232		TT.	**	-	_	-	-	-	17	-	-	Cdr. Shepard on Lunar Surface with Flag Looking West
9233	"	17	TŤ	-	-	-	-	-	"	-	-	TI
9234	"		11	-	-	-	-	-	11	-	-	LM Footpad
9235	- 11	11	,,	-	-	-	-	-	17	-	-	11
9236	11		**	_	-	-	-	-	-	-	-	Lunar Surface to Horizon with High Gain Erectable Antenna
9237	11	*1		-	-	-	-	-	-	-	-	Looking West
9238	*1	**	71	-	-	-	-	-	-	_	-	Lunar Surface to Horizon with Solar Wind Panel Looking NW
9239	••	**	11	-	-	-	-	-	(36) = -	-	-	11
9240	11	,,	71	-	-	-	-	-	-	-	-	Lunar Surface to Horizon with Solar Wind Panel Looking North
9241	11	**	**	-	-	-	-	-	-	-	-	Astronaut Mitchell with TV Camera Looking North
9242		**	**	-	_	-	1	-	-	-	-	11
9243		**	11	_	-	-	-	-	-	-	-	н
9244		**	**	-	-	-	-	-	-	-	-	Lunar Surface to Horizon Looking Northeast
9245		**	**	-	_	-	-	-	-	-	-	11

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Frame No.	Rev.	Camera	Approx.	Pri P	ncipal oint	Ap	prox. Data	Fwd	Approx. Sun	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9246	_	60mm	-	-	-	-	_	-	12°	Good	76	Lunar Surface to Horizon Looking East
9247	-		-	_	_	_	_		, н		Ħ	11
9248	_	11	_	_	_	-	_	-	Ħ	"	11	It
9249	-	11	-	_	_	_	-	-		11	н	Lunar Surface to Horizon Looking East Southeast
9250	_	11	_	-	_	_	-	-	17	**	11	Lunar Surface to Horizon Looking Southeast
9251	-	11	_	-	_	_	-	-	**	11	17	н
9252	_		_	_	-	_	_	_	11	11	11	Lunar Surface to Horizon (wi LM Footpad) Looking South
9253		,,	-	_	_	-	_	-	ŦŦ	"	17	Lunar Surface to Horizon wit Partial LM Looking South
9254	_		_	_	-	_	-		11	,,	11	View of LM Looking Southwest
9255	-	н	-	_	_	_	-	-	11	н	71	н
9256	_	н	_	_	_		-	-	11	11	11	11
9257		11	_	-	-	-	-	_	11		71	Erectable Antenna Looking We
9258	_	11	-	-	_	-	-	-		н	71	View of LM Looking Southwest
9259	-	IT	_	-	-	-	-	_	11	,,	*1	"
9260		.,	_	_	_		_		**	11		View of LM Looking South

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Frame	Frame Rev. Com No. No. f Ler	Comera	Approx.	Pri P	incipal oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angile	Azimuth	0/L	Sun Angle	Quality	_ Index Area	Description
9261	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	LM Descent Nozzle
9262	"	11		-	-	_	-	Ħ	11		17	"
9263	11	••	11	-	-	-	-	11	**	11	11	LM Engine Blast Effect on Surface
9264	"	**	11	-	-	-	-	11	17		н	LM Footpad
9265	11	11	11	-	_	-	-	Ħ			11	11
9266	11	н	\$1	-	-	-	-	11	н	н	11	LM Engine Blast Effect on Surface
9267	11	**	"	-	-	-	-	**	*1	11		"
9268		ŦŦ	**	_	-	-	-		11	71	н	H
9269	п	17	**	-	-	-	-	н	18	11	tt	LM Footpad
9270	н		17	_	-	-	-	11	**	TT .	11	U
9271	11	11	11	-	_	-	_	71	н	11	"	Lunar Surface to Horizon Looking West
9272	11	71	11	-	_	_	_	"	11	11	11	Lunar Surface to Horizon Looking Northwest
9273	17	TT	17	-	_	-	-			17	*1	
9274	11	IT	11	_	-	-	-	11	77		н	"
9275	11	н	11/2	-	_	-	· _	11	"	"	н	Lunar Surface to Horizon Looking North

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Frame Rev. No. No.	Camera	Approx.	Prin	ncipal oint	App Tilt	Data	Fwd	Approx.	Photo	Photo	Description	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azímuth	0/L	Angle	Quality	Area	<i>west through</i>
9276	NA	60mm	NA	_	-	-	_	NA	12°	Good	76	Looking North at LM
9277			**	_	-	_	-	11	11		**	11
9278	,,	.,		-	_	_	_	"	TT		11	IT
9279	"	.,	ŦŦ	-	-	-	_		11	н	17	11
9280	,,	,,	11	-	-	_	_		71	11	,1	Lunar Surface to Horizon Looking Northe <b>a</b> st
9281		,,	11	_	_	_	_	н	11	**	71	Lunar Surface Looking East
9282	11	.,	**		_	_	-	=	<b>T1</b>		Ħ	"
9283	11	"	Ť1	_	-	E)	-		п	н	11	It
9284		н	11		-	_	-	**	11		It	1t
9285			**	-	_	_	-	11	11	tt	17	Lunar Surface Looking Southeast
9286	,,	ŧŦ	17	-	-	_	-		17	n	11	11
9287		17	77	_	-	_	-	11	17	11	ŦŦ	11
9288	"	**	11	_	-	-	-	11	н	11	11	Lunar Surface Looking South
9289	,,,	11	11	-	_	-	-	11	17	11	17	11
9290	"	11	17	-	-	-	-	Ħ	ŧŦ	11	F1	Lunar Surface Looking Southwest

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Frame	Frame Rev. No. No.	Camera	Approx.	Prii Po	ncipal pint	App Tilt	Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9291	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	Lunar Surface to Horizon Looking Southwest
9292	,,	17	11	-	-	-	_	11	17	ft -	ti	
9293		17		-	-	_	-	"		H	*1	Lunar Surface to Horizon Looking West
9294	11	11	**	-	_	_	-	17	17	н	11	11
9295	11	11	*1	-	-	-	-	17	17	н	**	Lunar Surface to Horizon Looking Northwest
9296	11		"	_	-	-	-	11	17	11	71	Lunar Surface to Horizon Looking North
9297			*1	_	_	-	-	11	11	11	11	11
9298	11	11	**	-	_	-	-	11	+1	77	11	11
9299	11	71	**	-	_	-	-	17	17	11	**	Lunar Surface to Horizon Looking Northeast
、 9300	,,	ŧf		-	-	-	-	17	17	11	**	Lunar Surface to Horizon Looking North
9301	.,	**	17	_	_	1	_	11		11	**	Astronaut Mitchell with TV Camera Looking Northeast
9302	11	77	н	-	-	_	-	11		11	**	
9303		It	н	_	-	-	-	н	11	11	**	View From West of LM Looking East
9304	17	11	11	_	_	-	_		IT	11	**	11
9305	11	н	11	_	_	_	-	н	11	11	**	11

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Frame Rev. No. No.	Comera	Approx,	Pri P	ncipol oint	Ap Tilt	prox. Data	Fwd	Approx. Sun	Photo	Photo Index	Description	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	#oscription
9306	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	View from West of LM Looking East
9307	**	11	11	-	-	-	-	н	11	11		11
9308	**	TT	**	-	-	-	-	11	11	11	**	Solar Wind Panel from Near LM Looking Northwest
9309	11	11	11	-	-	-	-	11	11	11	"	11
9310	77	77	<b>FI</b>	-	-	-	-	It	17	н	u	n
9311	н	**	ŦŦ	-	-	-	-	"	71	Ħ	"	Lunar Surface to Horizon Looking North
9312	11	н	11	-	-	-	-	17	**			п
9313	71	11	11	-	-	-	-	11	tt.	17	87	Lunar Surface to Horizon Looking South
9314	Ħ.	**	21	-	-	-	-	11		11	11	"
9315	н	н	₹ <del>1</del>	-	-	-	-	n	11	17	**	Lunar Surface to Horizon Looking Southwest
9316	11	11	"	_	-	-	-	11	11	IT	IT	Lunar Surface to Horizon Looking West
9317	11	17	**	_	_	-	-	11	11	11	11	View from LM Window Looking West
9318	н	п	**	-	-	-	-	**	11	ŦŦ	**	11
9319	11	н	11	-	-	-	-	н	11	н	H	"
9320	71		11	-	-	-	-	11	11		н	Lunar Surface to Horizon Looking West

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Frame	Frame Rev. ( No. No. f	Comera	Approx.	Pr F	incipal Point	Ap Tili	prox. t Data	Fwd	Approx.	Photo	Photo	Due to
. No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9321	NA	60mm	NA	_	_	_	-	NA	12°	Good	76	Lunar Surface to Horizon Looking West
9322	11		н	-	-	-	-	"	н		tt	Solar Wind Panel f <b>ro</b> m LM Window Looking Southwest
9323	"	11	71	-	-	-	-		TI	11	17	TV Camera from LM Window Looking North
9324	0	11	**	-	-	-	-	,1	ti -	"	11	View of Flag from LM Window
9325	11	ft	11	-	-	-	-	11	11	**	**	u
9326	"	11	н	-	-	-	-	**	17	"	**	Erectable Antenna from LM Window
9327	11	**	71	-	-	-	-		н		**	View of Earth from LM Window
9328	н		"	-	-	-	-	н	11	н	"	N
9329	11	71	T	-	-	-	-	"	**	31	n.	11
9330	"	**	*1	-	-	-	-	n	**	11	11	11
9331	11	**	**	-	-	-	-				11	н
9332	н	H	t 9	-	-	-	-	11	н	11	It	11
9333	<b>FI</b>	ŧ	H	-		-	-	н	TI	11	11	View of ALSEP Station from LM Window
9334	11	"	11	-	-	-	-	"	"	н.	**	"
9335	17	11	11	-	-	-	म 	"	"	11	71	"

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Frame Rev. No. No.	Comera	Approx.	Pri P	ncipel oint	Ap) Tilt	Data	Fwd	Approx.	Photo	Photo	Description	
No.	No.	f Length	Photo Scale	Lat,	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9336	NA	60mm	NA	-	-	_	_	NA	12°	Good	76	View of ALSEP Station from LM Window
9337	"	77	11	-	-	-	-	11	11	"	н	н
9338		11	**	_	-	_	-	"	11	н	71	н
9339	"		**		-	-	-	"				View of Flag, Surface to Horizon Looking NW from LM Window
9340	,,	11	11	_	-	-	-	"		11	17	View of M.E.T. on Surface from LM Window
9341	17	98	11	-	_	-	-	17		11	п	TV'Camera as Seen from LM Window Looking North
9342		11	11	_		-	-	н	н	11	11	Lunar Surface to Horizon Showing M.E.T. Tracks
9343		11	11	_	-	-	-		It	17	11	11
9344	.,	11	"	NA	NA	NA	NA	11	11	It	NA	Rendezvous View of CSM from LM
9345	17	11	*1	-	-	-	-		11	11	н	n
9346	.,	17	8 P	-	-	-	-	**	11	11	ft	"
9347	11		17	_	-	-	-	11	TT	11	11	"
9348	,,	tt	17	-	-	_	_		ŦŦ	п	17	11
9349	"	11	**	-	_	-	_	17	It	17	11	11
9350			11	-	-	_	-	11	11		11	11

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Frame	Frame Rev. No. No.	Camera	Approx.	Pri P	ncipal . oint	App Tilt	Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Areo	
9351	NA	60mm	NA	NA	NA	NA	NA	NA	-	Good	NA	View of CSM During Docking Approach
9352	11	ŤT.	17	**	**	17	17	17	11	11	11	
9353	11	71	11	"	17	tt		н	**	"	17	11
9354	11	71		11	**	н	**	IT	11	Fair	11	11
9355	11	71	H.	11	"	17	11	ET.	11	71	17	**
9356	11	"	"	11	11	IT	11	H	tt	**	11	11
9357	11	11	11	77	н	11	11	11	11	11	Ħ	11
9358	п	**	11	17	11	TI	11	**	IT	*1	11	11
9359	11	11	11	Ħ	11	Ť	71	п	н	**	11	"
9360	11	11	11	н	11	11	11	**	н	17	t t	**
				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.

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Frame	Rev.	Camera	Approx.	Principal Point		Approx. Tilt Data		Fwd	Approx. Sun	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9361	NA	60mm	NA	-	_	-	-	NA	12°	Good	76	ALSEP Station and M.E.T.
9362	11	17	71	-	-	-	-	11	71		н	Passive Seismic Experiment
9363		17	71	-	-	-	-	91	11	11	н	ALSEP and P.S.E.
9364	17	11	71	-	-	-	-	71		н	17	C.P.L.E.E. Package
9365	17	11	17	-	-	-	-		17	11	11	C.P.L.E.E., ALSEP, M.E.T.
9366	,1	н	**	-	-	-	-		**	11	17	ALSEP Package
9367	11	11	17	-	-	-	-	**	11	11		M.E.T. Tracks and LM Looking East
9368	11	"	**	-	-	-	-	n	11	**	11	11
9369	11	н	71	-	-	-	-	"	11	11	89	C.P.L.E.E. Package
9370	11	11	17	-	-	-	_	11	ŤI.	11	11	11
9371	,,	11	11	-	-	-	-	11	11	н	11	17
9372		**	11	-	-	-	-	н	н	11	11	C.P.L.E.E. and ALSEP Packages
9373	11	*1		-	-	-	-			11	R	C.P.L.E.E. Package
9374	Ħ	11	11	-	-	-	-	11	11	ŦŦ	IT	Cdr. Shepard with TV Looking South
9375	н	н	11	_	-	-	-	17	11	11	**	ALSEP Station, C.P.L.E.E.

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Frame	Rev.	Camèra	Approx.	Principal Point		Approx. Tilt Data		Fwd	Approx. Sun	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9376	NA	60mm	NA	_	-	_	-	NA	12°	Good	76	ALSEP Station, C.P.L.E.E.
9377	,,				_	-		"	11	,,	11	11
9378	11	н	17	_	-	-	_		11	11	"	ALSEP Pkg., A.S.E. Pkg.
9379	11	71	17	-	_	_	-	11	11	11	11	ALSEP Package
9380	,,	71	71	_	-		-	11	11	"	It	11
9381	11	**	11	-	-	-	-	77	11		11	H
9382	17	11	<b>†1</b>	-	_	-	-	"	17	Poor	77	ALSEP Pkg, LM Looking East
9383	11	71	77	-	-	-	-	11	17	Good	11	ALSEP Package
9384	11	**	ŧŦ	-	_	-	-	н	"	11	**	ALSEP, P.S.E. Packages
9385	л	н	IT	-	-	-	-	"	**	н	"	Laser Reflector
9386	71	н	17	_	-	-	-	11	ŦT	TT	**	It
9387	71	11	*1	_	-	-	-	н	11	Poor	11	Laser Reflector, LM, Astronaut Looking East
9388	17		F #	-	-	-	-	11	н	Good	11	LM Looking East Southeast
9389	**	,,	11 I	-	_	-	-	"	11	11	71	Astronaut Mitchell, ALSEP Looking West
9390	11	11	Ý	11	-	-	8 -	11	"	17	11	Lunar Surface Close-ups

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Rev. Come No. f Len	Rev.	Comera	Ápprox.	Pri P	Approx. Tilt Data		Fwd	Approx.	Photo	Photo Index	Description	
	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Pescription	
	NA	60mm	NA	-	-	-	-	NA	12°	Good	76	Lunar Surface Close-ups
	11	н	**			-	-	11	17	**	11	11
	н	н	**	-	-	_	-	17	17	17	11	11
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#### 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.

## Magazine \_\_\_\_\_\_\_ A\$14-\_\_\_68 \_\_\_\_\_ Film \_\_\_\_\_SO-267, BW

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Frame	Rev.	Camera	Approx.	Principal Point		Approx. Tilt Dota		Fwd	Approx. Sun	· Photo Quality	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
Un-Num- bered	NA	60mm	NA	-	-	NA	N	-	24°	Good	-	Half Frame. TV Camera in Initia Position from Vicinity of MESA
9394	11	ŤI	н	-	-	11	W	-	"	"	-	Looking W from LM to ALSEP Area Showing Footprints, Rock in Dis- tance. Astronaut Shadow
9395	**	τι	ti	-	-	11		-	17	17	-	11
9396	tt	TT	11	-	-	11	EF	-	IT	17	_	Start EVA 2, Pan 1 of Stone on Edge of Depression Footprint
9397	11	IT	11	-	-	н	NW	-	11	н	-	Stone on Edge of Depression, Small Stones and Small Craters
9398	11	11	17	-	-	11	N	-	11	н	-	2 Large Stones Near Depression, Small Stones and Craters
9399	11	11	н	-	-	11	11	-	**		-	Closer View Showing 3 Small Cra- ters, Small Rock & Texture
9400	11	11	ti	-	-	tt		-	* *	**	-	2 Small Craters, Larger Crater with Smaller Crater Inside, Small Rocks
9401	**	11	**	-	-	11	NE	-	H.	17	-	Crater with Smaller Crater In- side
9402	"	11	**	-	-	н	E	-	11	11	-	Look into Sun, Small Rocks Stand Out
9403	н	17	17	-	-	11	SE	-	ŧ	Н	-	Stone Stands Out Against Surface
9404	17	н	11	-	-	11	s	-	11	"	-	Astronaut and M.E.T.
9405	17		11	-	-	п	11	-	п	11	-	M.E.T. and Astronaut Closer View, Continued Pan
9406	н	н	IT	-	-	Ħ	SW	-	11	11	-	M.E.T. Track and Footprints
9407	11	ŦŦ	21	-	-	11	17	-	**	**	-	11

### Magazine <u>MM</u> <u>AS14-68</u> Film <u>SO-267, BW</u>

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Frame	Rev.	Camera	Approx,	Principal Point		Approx. Tilt Data		Fwd	Approx. Sun	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9408	NA	60mm	NA	_	-	NA	SW	_	24°	Good	-	LM on Horizon, M.E.T. Tracks Back to LM End Pan
9409	,,	11	11	-	_		π	-	11	11	_	LM on Horizon. M.E.T., Color Chart, Gnomon
9410	11	**	н	_	-	71	NW	-	**	17	_	Color Chart, Gnomon, and Footprints
9411	11	**	11	_	-	11	11	-	17	17	-	17
9412		11	IT	_	-	11	11	-	17		-	17
9413	11	11	н	-	-	11	SW	-	71	17	-	Color Chart & Gnomon with LM on Horizon and M.E.T. Trail
9414	11	11	н	-	-	н	N	-	11	"	-	Shepard Examining Large Rock
9415	н	ti	11	-	-	"	W	-	и	11	-	Looking West, Start Pan 2
9416	н	Ħ	ŦŦ	-	-	17	11	-	IT	11	-	Rocks on Edge of Shallow Depression
9417		н	tt	-	-	11	NW	-	Ħ	71	-	Large Rock with Other Large Rocks in Background
9418	17	17	ŦŦ	-	-	**	N	-	"	11	-	Shallow Craters and Large Rocks
9419	17	11	17	-	-	11	NE	-	**	17	-	Large Rock on Slope, Small Rocks Scattered Over Area
9420	17	11.	17	-	-	11	11	-	11	11	-	It
9421		17	11	-	-	11	Е	-	**		-	Small Rocks and Shallow Depressions, Large Rock
9422	17	ŦŤ	11	-	-	11	11	-	*1	11	-	Astronaut Pulling M.E.T., Small Crater, M.E.T. Tracks
#### Magazine <u>MM</u> A\$14-<u>68</u> Film <u>SO-267</u>, BW

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Frame Rev. No. No.	Camera	Approx.	Pr	'incipal Point	Ap Tili	prox, Data	Fwd	Approx.	Photo	Photo		
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Sun Angle	Quality	Index Area	Description
9423	NA	60mm	NA	_	-	NA	SE	-	24°	Good	-	Small Craters, M.E.T. Tracks and Small Rocks
9424	"	17	**	-	-	11	**	_	11	11	-	Small Crater, M.E.T. Tracks, Large Shallow Crater Near Horizon
9425	"	11	It	-	-		s	-	IT	11	-	Crater "Old Nameless" on Hori- zon, Smaller Craters, Large Rocks
9426	"	,,	11	-	-	"	77	-	11	"	-	"Old Nameless" on Horizon, Smaller Craters
9427	"	11	11	-	-	11	SW	-	**	11	-	11
9428	"	**	<b>†</b> †	-	-	17	71	-	11	н	-	Flat Rock Formation Near Crater
9429	п	11	11	-	-	н	**	-	"	"	-	11
9430	11	71	11	-	-	11	W	-	11	11	-	Boulder and Large Rocks Near Crater
9431	77	**	*1	-	-	н	NW	-	11	Ħ	-	Crater Near Ridge, Large Rocks
9432	11	17	T T	-	-	"	11 -	-	"	17	-	Large Stones, Boulders on Slope Near Mound & Crater. End Pan
9433	11	11	**	-	-	"	N	-	11	**	-	Large Rocks, Mound with Large Rocks in Top & Sides. Start Pan 3
9434	н	11	**	-	-	н	NE	-	"	"	-	Small Craters, Boulders Near Horizon
9435	11	н	11	-	-	"	"	-	TI	"	-	Boulder Near Horizon
9436	17	**	11 F	-	-	11	Е	-	11	11	-	Large Rocks Looking into Sun
9437	17	11	<b>11</b> [	-	-	11	"	-	,1	11	-	Large Rocks

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Frame	Rev.	Camera	Approx.	Pri P	incipal 'oint	Ap Til	prox. Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Sun Angle	Quality	Index Area	Description
9438	NA	60mm	NA	-	-	NA	SE	-	24°	Good	-	Rolling Surface with Small Craters & Rocks. Footprints
9439	11	11			-	"	11	-	"		-	M.E.T. Near Rim of Depression
9440	"	11	11	-	-	11	s	-		"	-	Old Nameless on Horizon
9441	11	t f		-	-	п	11	-	71	17	-	11
9442	"	Ť	ŦI	-	-	11	SW	-	11	11	-	M.E.T. Tracks, Boulders, LM in Distance, End Pan
9443	17	11	**	-	-	н	N	1	IT	tt	-	Color Chart & Gnomon in Edge of Boulder Field
9444	11	**	11	-	-	11	11	-	"		-	н
9445	"	11	tt	-	-	Ħ	NW	-	11	11	-	Cracked Boulder on Ridge
9446		21	11	-	-	11	N	-	"	11	-	Boulder Field
9447	"	"	11	-	-	11	SW	-	**	11	-	Looking SW From Ridge
9448	11	Ħ	H	-	-	11		-	н	**	-	Boulders
9449	н	11	**	·-	-	11	17	-	••	11	-	11
9450	11	11	11	-	-	17	W	-	H	"	-	Large Rock Formation
9451	н	IT	17	-	-	11	N	-	11	н	-	Large Boulders Overlooking Boulder Field
9452	IT	H	11	-	-		NW	-	"	11	-	Boulder Formation

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Frame	Rev.	Comera	Approx.	Priz Po	ncipal pint	App Tilt	Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/Ľ	Angle	Quality	Area	
9453	NA	60mm	NA	_	_	NA	w	-	24°	Good	-	Boulder Formation
9454		н	11	-	-		N	_	11		-	Core Tube Inserted in Surface Large Shallow Depression
9455	11	11	11	-	-	н	11	-	91	11	-	11
9456	11	. н	,,	-	-	11		-	11	17	-	11
9457	11	ti	11	-	-	11	11	-	11	н	-	17
9458	"	17	"	-	-	11	11	-	11	11	-	н
9459	11	**	"	-	-	"	W	-	11		-	Color Chart & Gnomon. Large Boulders on Horizon to West
9460	11	11		_	_	11	SW	_	11	11	_	Color Chart and Gnomon
9461	11	17	11	_	-	11	п	-	11		-	11
9462	11	17	n	-	_	"		_	"	17	-	11
9463	11	н	,,	-	-	11		-	18 JI	17	(a) -	11
9464	11	н	11	-	-	"		-	11	11	-	17
9465	11	11	11	-	-	11	N	-	11	11	-	11
9466	11	11	11	-	-	11	11	-	11	11	-	11
9467	JT	17	11	-	-	11	IT	-	11	11	-	11

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Frame	Frame Rev. No. No.	Camera	Approx.	Pr	incipal Point	Ap Til	prox. Data	Fwid	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Sun Angle	Quality	Area	Description
9468	NA	60mm	NA	-		NA	N	-	24°	Good	-	Large Rocks
9469		н				11	NE	_	11	17	-	и
9470	,,	,,	**		-		11	_	11	17	_	17
9471		17	IT	_	-	н	71	-	17	11	-	п
9472	71	71	,,		-		N	-	11	11	-	Large Rock, Start Pan 4
9473	11	11	11	-	-	11	11	-	17	11	_	н
9474	н	11	11	-		11		-	11	11	-	
9475	"	**	**	_	_		NW	_	71	TT	_	11
9476		11	11	_	_	71	17	-	**	FF	_	п
9477	11	11	ti	_	_	ft.	W	_	11	11	_	ALSEP Area in Distance, Break in Pan
9478		17	TT	-	_	Ħ	NW	_	17	11	_	Large Rock, Continuous Pan
9479	п	11	11	-	-	Ħ	н	-	11	11	_	11
9480		11	17	_		11	N	_	TI	17	-	Large Crater Near Horizon
9481	17	11	17	_	_		"	-	н	71	_	н
9482	н	71	11	-	-	"	NE	-	**	11	-	Large Rocks

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Frame	Rev.	Comera	Approx.	Pri	ncipal oint	App Tilt	orox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Pescipion
9483	NA	60mm	NA	-	-	NA	NE	-	24°	Good	-	Large Rocks, Ridge Line
9484	71	11	11	_	-	**	E	-	11	**	-	н
9485	ŦŦ	Ħ	11	-	-	17	11	-	Ħ	**	-	"
9486	"	11	11	-	-	Ħ	SE	-	11	**	-	LM with Triplet in Background with Astronaut
9487	n	51	71	-	-	**	11	-	11	"	-	LM with Triplet in Background with Astronaut. End Pan
9488	Ħ	11	11	-	-	11	s	-	11	**	1	Looking SE Toward Triplet. Start Pan
9489	11	11	91	-	-	11	SE	-	11	11	-	Shallow Crater on Ridge
9490	11	11	71	-	-	11	S	-	н	**	-	Double Shallow Craters on Ridge
9491	"	11	78	-	-	11	н	-	н	**	-	Shallow Crater with ALSEP in Distance
9492	11	11	11	-	-	11	н	-	11	11	-	S-Band Antenna
				END OF	MAGAZINE							

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#### 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.

# Magazine <u>P</u> AS14-<u>69</u> Film <u>3400, BW</u>

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Frame	Rev.	Camera	Approx.	Prir Po	ncipal pint	App Tilt	orox. Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Possipion
9493	TLI	500mm	-	-	-	-	_	-	0°	Poor	-	Four-Frame Sequence of Lunar Limb Crescent
9494		**	_	-	-	-	-	-	11	11	_	Limb Crescent
9495	11	11	_	-	-	-	-	-	11	11	-	U
9496	11	**	-	-	-	-	-	-	11	н	-	"
9497	27	**	1:222,000	9.0°S	19.5°E	0-10	280°	0	58°	Fair	78	Approach to Descartes DE-2
9498	"	11	1:250,000	51	19.0°E	30°	11	50%	11	17	11	Approach to Descartes 1st 500-mm Pass
9499	"	,,	11	ŧ	17	11	н -	11	17	**	ŦŦ	11
9500	"	н	11	11	18.5°E	"	u	11	11	11	11	11
9501	"	17	**	IT	11	11	"	11	11	11	H	11
9502	"	17	1:240,000	11	17.5°E	20°	11	17	11	11	н	11
9503	"	TT	**	11		11	11	17	IT	"	Ħ	H
9504	11	11	1:230,000	"	17.0°E	11	11	11	Ħ	11	U.	11
9505	"	**	"	ţI	н	11	11	11	11	н	11	11
9506	,,	11	1:225,000	11	16.5°E	17	11	17	ŦŦ	н	17	17
9507	"	11	11	11	L†	It	71	11	11	11	11	Oblique View of Descartes Landing Site

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Frame	Rev.	Camera	Approx.	Pri P	ncipal oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
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	11	11	ŦŦ	11	15.5°E	11		л		17		11
9510		н	**	11	11	15°	11	90%	H		**	11
9511	11	**	11	11	11	11	11	11	17	11	17	11
9512	11	,1	"	п	Ħ	Ħ	TI	17	11	11	''	11
9513	.,	**	F1	**	11	-11	11	*1	11	**	**	11
9514	**	11	11	**	11	10°	17	71	**	11	It	н
9515	11	н	1:222,000	H	11	н	н	17	U.	Good	11	11
9516	U.	11	"	11	11	0-10°	71	100%	81	11	11	Near Vertical of Descartes Landing Site
9517	"	11	tt.	**	11	11	ŦŦ	н	11	17	77	11
9518	п	11	п	н	11	0°	0°		11	11	IT	Vertical View of Descartes Landing Site
9519	17		71	זי	11	н	**	11	11	11	IT	11
9520	"		11	**	17	11	17	11	<u>11</u>	TI.	11	"
9521	11	17	н	IT	17	TT	17	"	17	IT	17	н
9522	17	F1	н	Ft	11	17	11	11	11	17	17	11

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Frame	Rev.	Camera	Approx.	Pri Pr	ncipal pint	Ap) Tilt	Data	Fwd	Approx.	Photo	Photo	Decesioties
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9523	27	500mm	1:222,000	9.0°5	15.5°E	0°	0°	100%	58°	Good	78	Vertical View of Descartes Landing Site
9524	11	17	"	, Jt				н	11	н	17	11
9525	"	**	**		17		Ħ	11	11	11	H	11
9526	77	17	17	н	11	0-10°	100°	"	IT	71	n	Near Vertical of Descartes Landing Site
9527	н	н	11	н	Ť1	11	11	17	H		**	11
9528	11	11	11	"	**	11	17	It	11	17	17	н
9529	н	11	n	**	**	10°	Ħ	95%	71	н	tt	н
9530	11	11	1:225,000	**	tr	11	н	11	**		н	Oblique View of Descartes Landing Site
9531		17		11	11	11	п		B		11	"
9532			**	11	ŧ	15°	н	н	С.	77	83	IT
9533	н	н	Ħ	"	TT	"	11	11	71	17	11	н
9534	т		1:240,000	11	11	20°	87	11	.,	17	tt	11
9535	11	11	11	TT	17	**	H.	11	١T	н	11	End of 1st 500-mm Pass over Descartes Landing Site
9536	28	11	1:250,000	9.0°5	19.0°E	30°	280°	50%	59°	Fair	78	Approach to Descartes 2nd 500-mm Pass
9537		11		*1	11		11	н	11	н	19	п

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Frame	Rev.	Camera	Approx.	Pr F	incipal 'oint	Ap Tili	prox. t Data	Fwd	Approx.	Photo	Photo	D. (.)
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
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	"	11	11	91	11	11	н	11	11			
9540			11	17	18.0°E	H	11	11		11	IT	11
9541	"	It	н	†I	It	11	11	11	11	11	11	17
9542	"	†J	1:240,000	ti	17.5°E	11	17	11	n	11	11	н
9543	17	ŦŦ	11	11	ŦŦ	н	11	11	IT	11	11	11
9544	11	11	1:230,000	Ħ	16.5°E	25°		11	11		**	"
9545	17	17	IT	R	17	н	11	11	T	H	11	Oblique View of Descartes Landing Site
9546	11	H	11	11	11	11	17	11	**		11	
9547	н		17	**	16.0°E	17	IT	90%	17	11	11	11
9548	11	н	1:225,000	71	15.5°E	20°	11	н	"	Good	"	11
9549	17	11	17	"	"	11	н	11	17	ET.	17	11
9550	"	ŦŦ	11	11	11	10°	11	н	11	"	11	Near Vertical View of Descartes Landing Site
9551	17	"	11	17	11	11	11	11		н	"	
9552	"	TF	11	н	51	11	"	"	11	"	11	TI

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Frome	Rev.	Camera	Approx.	Prin Po	ncipal pint	App Tilt	Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Pescipiton
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	"	ŦŦ		11	IT	н	11	11	11	FT	17	"
9555	11	11	1:222,000	11	11	11	17	95%	18	FF	17	11
9556	11	11	11	н	tt.	17	11	11	ŧ١.	**	17	11
9557	11	11	11	Ħ	ff	11	17		11	11	17	11
9558	11	11	17	11	**	0°	0°		11	**	**	Vertical View of Descartes Landing Site
9559	,,	11	ŦT	11	~ II	11	11	н	11	ŦŦ	**	11
9560		11	"	11	**	17		H	н	11	11	11
9561		11	-11	- 11	11	11	н	н	98	H	Ht:	11
9562		11	11	11	11	11	ų	н	11	н	18	11
9563		11	11	**	_ 11	"	11	u	It	,tt		"
9564		T1	11	11	. 11	17	17	11	H	17	- n	1
9565	,,	2 17	11	11	11	11		11	It	Эн	**	11
9566	"	IT	**	t7	ŤT	Ω ₹	11	н	ц	"	ŤŤ	11
9567		11	"	<b>1</b> 1	11	0-10°	100°	11	17	11	*1	Near Vertical View of Descartes Landing Site

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Frame	ne Rev. . No.	Camera	Approx.	Pr	incipal Point	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
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		- 11	11	TT	17	11	11	TI	17	17	11	"
9570	"	11	и	**	71	11	11	90%	н	"	11	11
9571		17	1:230,000	11	71	"		11	11	π	н	
9572	71	IT	11	IF.	**	20°	11	11	17	11	н	Oblique View of Descartes Looking East
9573	п	н	1:240,000	11	TT	17	-11		17	н	11	11
9574	17	11	"	11	11	н	н	11	11	**	17	**
9575		17	н	H	**	11	н	11	17	*1	н	11
9576	11	"	1:300,000	4.0°S	15.0°W	40°	110°	0%	27%	н	76	Oblique View of Fra Mauro H and HA
9577	н	17	F 2	1.0°S	14.0°W	40°	75°	0%	11	**	**	Oblique View of Eastern Fra Mauro Highlands
9578	30	н	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	"	17	1:240,000	11	19.0°E	20°	280°	50%	**	Fair	11	Oblique Sequence Just Prior to Descartes
9580	"	н	11	17	18.5°E	н	н	71	11	11	11	11
9581		"	н	н	11	17	11	11	17	73		
9582	"	11	11	11	ττ	11	H	"	11	17	17	17

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Frame Rev. No. No.	Rev.	Comera	Approx.	Prin Pri	ncipal pint	App Tilt	orox. Døta	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
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	11	71	1:230,000	11	11	11		11	TI	**	11	II
9585	11	11	н	11	17.5°E	11	17	11	11	Ħ	17	Oblique Sequence Just Prior to Descartes Landing Site
9586	It	Ħ		11	16.5°E	71		11	Ħ	11	"	н
9587		11	17	It	ц	11	11	11	н	11	11	н
9588	,,	11	1:225,000	11	16.0°E	Ħ	11	17	11	"	<del>1</del> 1	11
9589		**	**	**	15.5°E	Ħ	11	90%	**	Good	IT	Oblique View Into Descartes Landing Site
9590	-,,		"	**	11	"	,,	11	TT	н	**	н
9591	71	11	"	**	**	15°	11	11	11		11	11
9592	11	11	**	**	"	11	п	11	17	н	11	11
9593	.,	tt	11	**	11	11	11	71			11	"
9594	11	11	*1	"	11	н	11	н	11	н	11	11
9595	11	11	IT	9.0°S	11	10°	17	11	11	11	19	Near Vertical Sequence of Descartes Landing Site
9596		11	1:222.000	11	11	**	11	**	, 11	TT	11	11
9597	11	11	11		77	11	11	11	17	"	71	11

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Frame Rev. No. No. 1	Camera	Approx,	Pri P	ncipal oint	Ap Tilt	prox, Data	Fwd	Approx.	Photo	Photo	Decesiotion	
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
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	"	TT	17	77	H	11	11	"	11	11	11	11
9600	н	н	78	н	11	0°	0°	100%	н	11	F 1	"
9601		11	!!	11	71		17	11	11		H	
9602	"	71	73	11	71	11	11	"	**		11	II
9603	Ħ	Ħ	11	ŦŦ	11	11	*1	11	**	н	**	11
9604	н	H	11	11	ŧr	11	"	11	ŦŦ	11	"	11
9605	н	11	11	IT	ft	11	11	17	**	"	*1	11
9606	11	11	1:225,000	Ħ	71	0-10°	100°	н	11	"	"	Near Vertical Strip of Descartes Landing Site
9607	"	11		**	11	IT	17	11	н		"	"
9608	11	**	39	**	* *		11	-	11	**	**	11
9609	11	17		17	ŦŦ	11	11	11	"	87	11	17
9610	"	11	1:250,000	11	H	10-20°	"	н	17	11	11	Oblique View of Descartes Landing Site Looking East
9611	"	71	71	11	11	**	**		17	"	11	"
9612	11	"	11	"	11	20-30°	. 11	н	17	11	11	"

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Frame	Frame Rev. Camera No. No. f Length	Camera	Approx.	Pri	ncipal oint	App Tilt	orox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
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	17	11	II.	77	17	17	н	п	11	**	11	11
9615	"	TT	**	н	*1	30°	100°	95%	Ħ	11	11	11
9616	11	**	-	2.5°S	29.5°W	50°	270°	90%	14°	Fair	76	West Looking, High Oblique Sequence of Lansberg B & D
9617	"	17	-	11	11	11	17	11	11	11	**	11
9618	.,	It	-		**		11	11	**	11		11
9619	11	It	-	77	**	11	н	11	11	"	11	11
9620		17	-	11	11	п	н	11	11	11	17	11
9621	,,	11	1:222,000		_	0°	-	_	20°	77	u	Fra Mauro Highlands
9622	11		1:250,000	3.5°S	25.0°W	30°	285°	50%	21°	Good	ŧŦ	Highlands to the South of Lansberg Crater
9623	17	н	IT	71	**	TT .	н	11	**	11	It	11
9624	TT	11	17	3.0°S	26.5°W	"	11	11	11	11	11	11
9625	11	17	TT	11	27.0°W	11	17	11	11	11	11	"
9626	11	77	77	11	27.5°W	11	17	80%	н	11	11	**
9627	11	"	"	11	28.0°W	н	11	н	н	11	"	H

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Frame Rev. No. No.	Rev,	Camera	Approx.	Pri P	ncipal oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
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	11			TT	Ħ	п	11	u	17	11	Ħ	17
9630	"	17	11		11	20°	11	50%	н	TT	11	Oblique Approach to Lansberg B
9631	"	71	11	11	11	**	11	н	11	"	ŧŦ	11
9632	"	71	11	п	**	11	н	80%	11	11	11	11
9633	11	FT	1:230,000	17		15°	π	11	11	н	**	11
9634	17	TT	17	47	TT	н	н	100%	17	11	91	11
9635	11	Ħ	11	17	11	11	ŧ	11	**	11	<b>F1</b>	н
9636	11	Ħ	It	17	11	11	11	11	**	"	**	H
9637	11	11	1:222,000	2.5°S	IT	10°	н	**	**	н	11	Near Vertical Sequence of Lansberg B
9638	11	Ť	Ħ	Ħ	11	11	11	11	**	11	"	н
9639	77	Ť	11	11	11	11	11	11	н		**	н
9640		**	TT	11	11	0-10°	17		11	11	**	"
9641	11	"	11	11	**	TT	**	11	11	**	**	Vertical View of Lansberg B
9642	11	**	17	11	tř	11	11	"	11	11		11

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Frame Rev. No. No.	Camera f Length	Approx.	Pri	incipal oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	oesci piron
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	**	11	11	17	TT	"	11	"	11	11	Ħ	- 11
9645	"	11	17	17	11	0°	0°	11	11	11	**	17
9646		*1	11	11	,1	11	- 11	**	11	11	**	11
9647	17	11	11	11	Ŧ	11	18	**	11	IT	**	
9648	11	91	11	n	11	0-10°	105°	ŦI	tt	tt	17	Near Vertical View of Lansberg B
9649	11	**	77		11		11		17	11	17	11
9650	11	••	**			11	**	н	17	¥1	11	11
9651	н	**	11	,,	11	IT	17		11	FT	*1	11
9652	11	**	17	11		10°	H,	11	11	,,	71	**
9653	11	17	Ħ	н		Ħ	н	11	11	11	**	17
9654	.,		17	n	11	15°	H	11	n	tt	**	Low Oblique of Lansberg B
9655	11	17	IT	11	17	11	H	н	11	IT	89	11
9656	**	11	11	11	11	20°	н	11	71	11	**	Ħ
				END OF	MAGAZINE							

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#### 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.

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Frame Rev. No, No,	Rev.	Camera	Approx.	Pr	incipal Point	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	
No,	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9657	26	80mm	1:1,380,000	4.5°S	135.0°E	VERT	ICAL	50	5°	Dark	84	Crater East of Crater Prager
9658	"	17		91	If	11	11	11	17	11	н	11
9659	,1	Ŧİ	11	**	134.0°E	17	11	17	6°	**	**	11
9660	"	**	11	11	133.0°E	11	11	11	11	н	**	East Edge of Prager
9661		**	**	11	132.0°E	11	11	11	8°	11	11	Crater Prager
9662	н	H	11	4.0°S	131.0°E	11	н	11	11	17	11	11
9663	н	**	11	11	130.0°E		11	н	10°	11	11	Craters Prager and Love
9664	"		**	17	129.5°E	11	11	11	**	н		11
9665	"	17	н	4.5°S	128.5°E	11	11	11	12°	11	83	Crater Chain E of Crater Prager
9666	Н	11	11	**	128.0°E	11	11	17	н		11	Crater Chain on Rim of Crater Love
9667	"	17	TF	**	127.0°E	11	**	н	14°	H	11	<u>ал</u> н
9668	17	11	11	Ħ	126.0°E	Ħ	11		11	"	н	Highland Area on NW Side of Crater Love
9669	11	11	11	**	125.0°E	"	н	"	15°	11	**	South of Crater Becvar
9670	"	**		5.5°S	124.0°E	н		17	11	11	11	11
9671	11	11	н ,	**	123.0°E	"	v 11	11	17°	11	11	II

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Frame Rev, No, No.	Rev.	Camera	Approx.	Prir Po	ncipal pint	App Tilt	prox. Data	Fwd	Approx. Sup	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9672	26	80mm	1:1,380,000	6.0°S	122.0°E	VER'	TICAL	60	18°	Dark	83	North of Craters Langemak and Danjon
9673	,,	11	**	Ħ	121.0°E	н	11	11	20°	U.	**	11
9674	11	11	11	н	120.0°E	**	11	17	н	**	71	North of Crater Langemak and South of Becvar
9675	11	11	11		119.5°E	tt	11	**	21°	11	11	11
9676	17	17	11	6.5°S	118.5°E	11	11	11	TT	**	st	H
9677		11	11	11	117.5°E	11	н	"	22°	11	**	Northwest of Langemak Southeast of Vesalius
9678	- 11	11	11	11	~116.5°E	F1			11	11	11	**
9679	11	11	11	11	116.0°E		"	**	11	11	ŦŦ	South of Vesalius Crater and North of Meitner
9680	11	11	**	7.0°S	115.0°E	11	11	11	26°	**	<b>?</b> 1	11
9681	"	17	11	11	114.0°E	н	н	17	17	11	11	11
9682	"	11	"	7.5°S	113.0°E		н	11	28°	11	11	11
9683	"	91		11	112.0°E	11	11	н	9 11	н	Ħ	North of Meitner Crater and South of Buisson
9684	"	11	. II	11	111.5°E	IF	11	11		Fair	۴I	Southeast of Einthoven Crater
9685	"	**	ŧŦ	н	111.0°E	11		71	30°	11	11	"
9 <u>686</u>		"	*1	11	109.0°E	11	17	н	ŦŤ	IT	11	On NE Rim of Pasteur Crater

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Frame Rev, No. No.	Camero f Length	Approx,	Pri P	ncipal oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9687	26	80mm	1:1,380,000	8.0°5	109.0°E	VER	TICAL	100	30°	Fair Dark	82 83	NE Rim of Pasteur Crater
9688	"	11	*1	17	108.0°E	"	н	60	36°	**	11	11
9689	"	Ħ	н	11	107.0°E	- 17	+1	н	Ŧ	17	TP	**
<b>96</b> 90	н	11	11	11	106.5°E	11		11	34°	11	82	**
9691	11	11	11	8.5°S	105.5°E	11	11	=	11	17	"	"
9692	n	"	Ħ	11	104.5°E	п	77	"	36°	77	TT	On North Rim of Pasteur Crater
9693		**	11	TF	103.0°E	H	11	11	н	11	11	"
9694	H	<sup>2</sup> H	11	9.0°S	102.5°E	11	н	71	38°	н	11	"
9695		11	11	**	101.0°E	Ħ	"	17	11	77	*1	11
9696	71	17	11	9.0°s	100.0°E	11	11	Ħ	40°	99	**	NW Rim of Pasteur Crater
9697	17	77	н	9.5°S	<b>9</b> 9.0°E	н	н	11	n	"	11	n
9698	"	11	**	11	98.0°E	"	11	"	42°	**	11	н
9699	11	"	**	17	97.0°E	"	"	77	"	Good	71	Western Rim of Pasteur Crater and Crater Gansky
9700	11	"	17	11	96.0°E	11	"	11	44°	"	ŦŦ	11
9701	,1	77	98	"	95.0°E	н	11	H	II	11	ŧŦ	11

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Frame	Frame Rev. Ca No. No. fL	Camera	Approx.	Pri P	ncipal oint	App Tilt	Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9702	26	80mm	1:1,380,000	10.0°S	94.0°E	VER	TICAL	60	46°	Good	82	Between Craters Brunner and Gansky
9703	11	11	11	11	93.0°E	*1	**	11	H	*1	н	Between Craters Brunner and Gansky, and Sea of Hirayama
9704	11	11	11	н	92.0°E	11	11		48°	"	н	Craters Brunner and Hirayama
9705	11	11	11	11	91.0°E	11	11	н	It	"	11	"
9706	11	87	17	10,5°S	90.0°E	11	17	11	50°	11	Ť	Crater Brunner South of Mare Smythii
9707	11	11	Ħ	R	11	11	"	н	11	**	¥1	11
9708	п	IT	11	11	89.0°E	н	11	50	52°	**	81	West of Brunner South of Mare Smythii
9709	11	Ħ	11	Ħ	88.0°E	"	17	11	11	11	11	"
9710	н	11	11	11	87.0°E	Ħ	17	60	54°	#1	71	11
9711	11	11	11	11.0°S	86.0°E	**	11	н	11	**	71	11
9712	11	11	11	11	85.0°E	11	**	11	56°	**	ŧ1	West of Ansgarius and South of Mare Smythii
9713	91	11	11	11	84.0°E	"	н	11	11	**	*1	11
9714	11	11	11	!!	83.0°E	"	11	11	58°	11	**	11
9715	11	It	"	10.5°S	83.5°E	ti -	"	"	11	17	**	Crater Ansgarius "N"
9716	11	н	ti	11	91		11	11	11	17	ŋ	n

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Frame Rev.	Camera	Approx.	Pr	incipal Point	Ap Tili	prox. Data	Fwd	Approx,	Photo	Photo		
No,	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Sun Angle	Quality	Index Area	Description
9717	26	80mm	1:1,380,000	10.5°S	81.5°E	VER	TICAL	60	62°	Good	81.	Craters Ansgarius and Ansgarius N
9718	11	11	"	"	80.5°E	11	11	,,,	17	"	н	Craters Ansgarius and Ansgarius N and La Perouse E
9719	"	17	11	11.0°S	79.5°E	11	11	н	64°	**	17	Craters Ansgarius and Ansgarius M and La Perouse E
9720	"	tt	17	н	78.5°E		TT	н	11	11		tt
9721	17	11	11	"	77.5°E	11	"	11	66°	11	11	Craters Ansgarius, La Perouse E and La Perouse
9722	-11	**	11	"	76.0°E	11	11	50	11	11	н	Crater La Perouse
9723		17	17	11.5°S	75.5°E	"	н	65	68°	π	11	11
9724	11	17	11	12.0°S	74.5°E	11	11	11	11	11	11	
9725	IT	11	11	11	73.5°E	11	**	50	70°	11	IT .	Between La Perouse and Kapteyn Craters
9726	"	"	11	**	"	11	н	'n	**	н	н	11
9727	.,	u.	**	17	72.0°E	11	"	**	72°	**	11	Crater Kapteyn
9728	.,		H	It	71.5°E	11	"	70	н	**	11	11
9729	11	11	11	91	70.5°E	17	17	55	74°	н	11	11
9730	11	11	۲۱ ,	**	69.0°E	**	11	"	11	*1	80	SE of Crater Kapteyn
9731	н	11	н /	н	68.0°E	11	<sup>24</sup> H		76°	"	11	South Rim of Langrenus A

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Frame	Frame Rev. Camera No. No. f Lenath	Camera	h Approx. h Photo Scale	Prir Po	ncipal pint	App Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Deceriation
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Pesciliption
9732	26	80mm	1:1,380,000	12.0°S	66.5°E	VERT	ICAL	40	78°	Good	80	South Rim of Langrenus A
9733	11	tt	11	11.5°S	65.5°E	11	11	60	н	11	**	Southwest Rim of Langrenus A
9734	Ħ	Ť	ŦŦ	11	65.0°E	11	11	70	80°	н	11	East Rim of Langrenus P
9735	11	ŦI	11	12.0°S	64.0°E	"	п	60	н	Ħ	11	H
9736	11	ŧ	71	н	63.0°E	11	11	55	82°	н	**	Langrenus P
9737	"	н	11	н	62.0°E	11	11	70	11	17	**	Langrenus and Langrenus P
9738	"	Ħ	11	11	61.0°E	11	11	11	84°	н	tt	South Rim of Langrenus and North Rim of Crater Lohse
9739	н	17	79	11	60.0°E	5) 11	Ħ	55	17	TT	11	п
9740	TT	11	11	89 <sup>11</sup>	58.5°E	Ħ	11	н	86°	11	**	Southwest of Langrenus on East Edge of Mare Fecunditatis
9741	"		11	71	57.5°E	11	н	60	17	11	ŦŦ	"
9742			н	11	56.5°E	17	11	11	88°	17	11	South of Langrenus D
9743	11	17	17	ŦŦ	**	н	**	11	17	11	11	"
9744	It	17	11	11	55.8°E	11	**	11	90°	11	ŧI	Mare Fecunditatis
9745	71	11	11	11	55.0°E	H	11	н	11	11	11	17
9746	11	11	11	"	54.0°E	11	11	11	88°	11.	11	11

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Frame	Frame Rev. No. No.	Camera	Approx.	Pri P	ncipal oint	Ap Tilt	prox, Data	Fwd	Approx.	Photo	Photo	Description
N₀.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9747	26	80mm	1:1,380,000	12.0°S	53.0°E	VERT	ICAL	60	88°	Fair	80	Mare Fecunditatis
9748	"	**		11.5°S	52.5°E	н	11	н	"		"	11
9749	"	11	**	11	51.5°E	- 11	91	Ħ	86°	11	11	11
9750		11	17	11	50.5°E	н	**			11	79	Crater Crozier
9751	,,	**	н	**	49.5°E	11	н	н	84°	19	**	Crater Bellot
9752	11	11		11	48.5°E	"	11	11	11	11	11	IT
9753	"	It	11	11	47.5°E	**	11	11	82°	11	87	11
9754	11	Ħ	н	н	46.5°E	17	er .	"	11	11	\$1	Crater Magelhaens A
9755	11	11	91	"	45.0°E	н	Ħ	11	80°	11	*1	"
9756	77	77	11	**	44.5°E	11	н	"	11	Good	Ħ	Crater Magelhaens and Gutenberg D
9757			11	17	43.5°E	11	п	"	78°	н	**	TT
9758	н	11	11	н	42.0°E	"	"	"	**	11	**	Crater Gutenberg D Pyrenees Mountain Range
9759	"	**	11	11	41.0°E	11	**	"	76°		11	Pyrenees Mountain Range
9760	"	**	**	"	40.0°E	п			н	11	"	
9761	11	11	11	11°S	39.0°E	"	**	"	74°	"	17	Craters Gaudibert and Gaudibert A and B

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Frame	Frame Rev. Cam No. No. f Lei	Camera	Арргох.	Pri P	ncipal oint	Apj Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9762	-26	8 Omm	1:1,380,000	11°S	38.0°E	VERTI	CAL	60	74°	Good	.79	Craters Gaudibert and Gaudibert A and B
9763	17	11	**	11	37.0°E	-11	11	H -	71	11	11	11:
9764		11	17	11	36.0°E	"	11	11	ŦT	**	TŤ	Mare Nectaris, Crater Daguerre
9765	н	°° н	2 H	11	35.0°E	11	11	11	11	11	It	
9766	11	- It	IT	77	34.0°E		11	**	17	11	IŤ	11
9767	11	31	н	17	33.0°E	17	11	17	73°	11 .	н	11
9768	11	11	11	11	32.0°E		11	17	11	ti	11	н
9769	11	н.,	11	10.5°S	31.0°E	11	11	11	TI	11	*1	Crater Madler
9770	17	п	11	10.0°S	30.0°E	TT	Ħ	TT	70°	11	**	н
9771	11	17.	IT	"	29.0°E	TI	11	11	**	11	78	Craters Madler and Theophilus
9772	11	11	i. If	**	28.0°E	17	11	17	68°	11	IT	Crater Theophilus
9773	H 0	11	11	17	26.5°E	17	н	50	11	11	н	11 - >
9774	н	**	11	11	26.0°E	11	IT	80	66°	71	11	11
9775		**	71	н	25.0°E	11	н	60	11	17	17	**
9776	**	17	11	11	23.5°E	11	IT	91	64°	11	11	11

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Frame	Rev,	Camera	Approx.	Pri P	ncipal oint	Api Tilt	prox. Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9777	26	80mm	1:1,380,000	9.5°S	23.0°E	VERT	ICAL	70	63°	Good	78	Northeast Rim of Theophilus
9778	11	n	"	17	22.0°E		17	60	11	,,	"	Crater Kant
9779	11	**	"	Ħ	21.0°E	77	11	71	77	н	11	
9780	"	11	"	tI	20.0°E	п	"	11	60°	11	11	II
9781	+7	17	17	81	19.0°E	17	**	**	71	11		Crater Kant and Crater Zollner
9782	н	Ħ	11	9.0°S	18.0°E	11	"		H	"	11	Crater Zollner
9783		н	11	17	17.0°E	11	Ĥ	н	п		11	Approach to Descartes Landing Site
9784		17	11	8.5°S	15.5°E	77	11	11	55°	11	tt	Descartes Landing Site
9785	11	11	11	11	15.0°E	"	"	"	17		11	Crater Dollond B
9786	н	н	11	8.5°S	14.0°E	11			**	н	It	Craters Dollond B and C
9787		н	17	8.0°S	13.0°E	н	11		11	11	17	"
9788	н	11	II	77	12.0°E	н	н		11	11	11	Crater Dollond C
9789	"	11	н	11	11.0°E	н		11	11	71	11	Craters Andel F, J, and H
9790	ų	11	11	7.5°S	10.0°E	11	11	"	50°	tt .	77	Craters Andel B and Hipparchus L
9791	м	11	11.7	11	9.0°E	11		11	91	17	"	Craters Hipparchus L and C Crater Hind

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Frame	rame Rev. Camera No. No. f Length	Camera	Approx, Photo Scale	Prin	ncipal oint	Apj Tilt	prox. Data	Fwd	Approx.	Photo Quality	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Areo	
9792	26	80mm	1:1,380,000	7.5°S	8.0°E	VERT	ICAL	60	48°	Good	77	Craters Hipparchus C and L and Hind
9793	11	11	11	7.0°S	7.0°E	11	11	ŧ	11		,,	Craters Hipparchus C and Hind
9794		17	11	11 -	6.0°E	"	н	11	H S	11	**	Craters Halley and Hind
9795	11	11	71	17	5.0°E	71	11	п	45°	11	**	Craters Hipparchus and Halley
9796	11	11	11	6.5°S	4.0°E	11	н	tI	71	Fair	п	Craters Hipparchus and Hipparchus J
9797	н	11	11	"	3.0°E	11	u	н	17	TT .	11	Craters Hipparchus J and Muller
9798	11	11	11	6.0°S	~ 2.0°E	11	11	н	11	17	11	H
9799		11	11	**	1.0°E	71	11	Ħ	11	17	11	Craters Glyden and Muller
9800	11	17	11	. 11	0.0°	"	11	11	40°	17	11	Craters Glyden and Herschel
9801			11	**	1.0°W	11	н	11	71	17	,,	11
9802	,,	"	71	5.5°S	2.0°W	н	н	11	17	11	17	Craters Herschel and Storer
9803		11	11		3.0°W	.,,	11	ŧ	11	11	ŦT	11
9804	"	17	11	5.0°S	4.0°W	11	IT	н	11	11	**	Craters Flammarion and Herschel C
9805	"	17	11	11	5.0°W	"	н	н	35°	17	11	Craters Flammarion and Herschel D
9806	н	77	11	11	6.0°W		11	н		"	*1	Craters Lalande C and P

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Frame	Rev,	Camera	Approx.	Pri P	ncipal oint	Ap; Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	"Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Beachphon
9807	26	80mm	1:1,380,000	5.0°S	7.0°W	VERT	ICAL	60%	34°	Fair	77	Craters Lalande C and R
9808	17	с. Н	It	4.5°S	7.5°W	н	11	11	11			Craters Lalande and Lalande C
9809	17	н	17	11	8.5°W	11	11	11	32°	**	H	Crater Lalande
9810	11	11	11	4.0°S	9.5°W	11	17	55%	IT	Good	11	11
9811	11	11	11	4.5°S	10.5°W	11	11	н	31°	Ħ	76	Crater Lalande δ
9812	"	11	n	11	11.5°W	11	11	60%	11	11	н	Crater Lalande E
9813	- 11	"	"	4.0°S	12.0°W	11	11	Ħ	28°		<b>11</b>	Crater Turner L
9814	11	11	11	3.5°S	13.0°W	"	н	"	Ħ	11	11	Fra Mauro R, Fra Mauro δ Crater
9815	п	*1		3.0°S	15.0°W	н	н	11	25°		ŤI	п
9816	11	*1	11	Ħ	16.0°W	11	"	11	13	11	ti	Crater Fra Mauro G and R
9817	н	*1	1:1,423,000	2,5°S	17.0°W	15°	290°	"	23°	*1	**	Crater Fra Mauro G, R, and K
9818	н	11	11	2 11	18.5°W	11	н	**	13	"	**	Crater Fra Mauro J
9819	11	**	1:1,463,000	н	20.0°W	20°	11	11	20°		**	Crater Fra Mauro J and T
9820	н	ŤI	11	11	21.0°W	11	TI	"	,,	71	11-	Fra Mauro V
9821	"	**	1:1,517,000	2.0°S	22.0°W	30°	11	:	18°	**	11	TT

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Frame	Frame Rev. Camera No. No. f Length	Camera	Approx.	Pri P	ncipal oint	Apj Tilt	Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9822	26	80mm	1:1,795,000	1.5°S	23.5°W	40°	280°	60%	17°	Good	76	Crater Lansberg P
9823	**		"	17	25.0°W	17	н	11	15°			Crater Lansberg
9824		11	11	0.5°S	26.0°W	IT	17	11	11	11	17	11
9825	11	17	11		26.5°W		17	80%	14°	Fair	*1	11
9826		11	**	11	27.5°W		17	п	ŧI			Craters Lansberg and Lansberg C
9827		17	1:1,517,000	11	29.0°W	30°	17		10°			Lansberg A and C
9828		17	11	If	29.5°W		н	90%	11	Poor	**	
9829		77	••	11	. 11	н	17	11	08°		11	н
9830	"	11	1:1,463,000	0.5°N	30.5°W	20°	H	11	Ħ	**	.,	Lansberg A and AA
9831	"	11	1:1,380,000	11	17	10°	н	11	+F	11	**	11
9832		FT	71	11		0°	0°	17	11	H	ŦŦ	н
9833		11	**	17	17	10°	90°		- #1		H	If
9834	17	11	1:1,463,000	**	н	20°		11	98	,,	11	
0835		.,	1:1.517.000	**	11	30°	11	17	11		"	Looking East, Lansberg and Lansberg C and A
9836	"	11	1:1,795,000	11	11	40°	"	11			h	11

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Frame	Frame Rev. Came No. No. f Len	Camera	Approx.	Pr	incipal 'oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
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	n	11	11	11	"	u		11	71	.,		Dark
9839		11	11	11	IT	"	11	**	11		17	n
9840	11	17		71	*1	11	FT	11	11	11	п	п
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#### 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  $110^{\circ}$ E longitude to approximately  $70^{\circ}$ E longitude and as far south and north as  $65^{\circ}$  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.

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Frame	Frame Rev. Camera No. No. f Length	Camera	amera Approx. Length Photo Scale	Pr	incipal Point	Ap Til	oprox, t Data	Fwd	Approx.	Photo	Photo	_
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Index Area	Description
9841	TEC	8 Omm	-	_	-	_	-	-	-	Poor	-	Very Dark
9842	п	11	-	-	-	-	-	-	-	*1	_	11
9843	11	11	-	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	"	11	-	7.0°N	112.5°E	11	11	90%	н	11	н	Earthrise, Craters Firsov, Lobachevsky, and 201
9846		It	-	7.0°N	108.5°E	70°	275°	80%	23°	11		
9847	,,		-	7.5°N	106.5°E	75°	11	н	26°	н	11	Earthrise, Craters Lobachevsky
9848	,,	11	_	HORIZ	ON	11	11	70%	28°	11	**	11
9849	17	11	-	• н	Ħ	It		50%	30°	11	71	Crater 201
9850	Ħ	11	-	-	-	-	-	-	-	Poor	-	Earth
9851		**	-	5.5°N	118.0°E	_	260°	-	20°	Good	65	Crater King
9852		17	-	HORIZ	ON	70°	-	-	30°		46	Craters Lomonosov, Maxwell, Artamonov, and Espin
9853		11	-	18.0°N	116.5°E	1	345°		20°	**	47	Craters Kostinsky and Olcott
9854		,,	-	HORIZ	ON	-	330°	-	26°		29	Craters Fabry and Szilard
9855	"	11	-	11		-	355°	-	23°	"	29, 30	Hilly Area Just East of the Crater Fabry

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Frame	Rev. Camera Approx No. f Length Photo Sa	Approx.	Pr	incipal Point	Ap Tili	prox. Data	Fwd	Approx.	Photo	Photo		
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Index Area	Description
9856	TEC	8 Omm	-	31.5°N	123.0°E	-	355°	-	10°	Good	30, 47	Craters Innes, Meggars, Cantor, and H. G. Wells
9857	17	2 - H	-	8.0°N	96.0°E	-	330°	-	38°	11	64	Craters Babcock, Erro, Dreyer, and Jansky
9858		11	-	HORIZ	ON	-	310°	-	48°		45	Craters Gauss, Plutarch, and Seneca
9859	.,	11	-	-	_	-	-	-	-	Poor	-	Very Little Lunar Surface Area Visible, Believed Near Gauss Crater
9860	- 17	н	-	HORIZO	N	-	335°	-	44°	Good	45, 46	Craters Gauss and Rynin
9861	11	<b>T</b> T	-		11	-	310°	-	28°	11	29	Craters Riemann and Fabry
9862	,,	- 11	-	6.0°S	70,0°E	-	255°	-	60°	н	80, 81	Craters Kastner, Langrenus, and Gilbert
9863	11	11	-	6.0°N	70.0°E	-	285°	-	11	11	62, 63	Crater Gilbert; Mare Spumans Mare Crisium
9864	"		-	HORIZO	N	-	320°	-		н	28, 45	Craters Hahn and Berosus
9865	11		-	11	11	-	330°	-	17	**	29	Oblique View Looking NW From Fa- bry Crater into Belkovich Crater
9866	,,	11	-	13.0°S	98.0°E	-	200°	-	30°	11	82, 100	Craters Pasteur and Sklodowska
9867	11	"	- -	26.0°S	109.0°E	-	180°	-	22°		100, 101,117	Craters Hilbert, Alden, Scaliger, and Milne
9868	17	97	-	11.0°N	62.0°E	-	265°	-	70°		<b>44</b> , 62	Mare Crisium
9869	,,	Ŧ	-	12.0°5	84.0°E	-	180°	-	50°	IJ	81, 99	Mare Smythii, Craters Kastner, Ansgarius, Behaim, Gibbs, and Hecataeus
9870	"	н	-	22.0°S	67.0°E	-	200°	-	65°	71	98	Craters Balmer, Lame, and Petavius

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Frame Rev. C	Comera	Approx.	Prir Po	icipal bint	App Tilt	arox. Data	Fwd	Approx.	Photo	Photo Index	Description	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9.871	TEC	80mm	-	14.0°N	60.0°E	-	190°	-	70°	Good	44, 62	Mare Crisium
9872	11	11	-	3.0°S	67.0°E	-	170°	-	60°		80	Craters Gilbert and Langrenus
9873		11	<u> </u>	2.0°N	56.0°E	-	200°	-	70°		11	Mare Fecunditatis, Langrenus Crater
9874	11	11		18.0°N	59.0°E	-	295°	-	17	17	44, 62	Mare Crisium
9875	"	17	_	20.0°5	71.0°E	-	205°	-	80°	11	98, 115, 80, 79	Ansgarius, Humboldt, Petavius
9876	11	17	-	0°	95.0°E	-	90°	1	37°	11	63, 81 64, 82	Mare Smythii, Craters Neper, Jansky, Wyld, Babcock, Pasteur
9877		**	-	20.5°\$	109.0°E	-	tt	÷	20°	u	-	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	"	11	-	9,0°S	74.0°E	-	190°	- *	60°		80, 81	Craters Langrenus, Gilbert, Mare Smythii
9880	11	17	-	12,0°N	72.0°E	-	285°	-	11	11	62, 63 44, 45	Mare Crisium, Mare Spumans; Schubert and Condorcet Craters
9881	"	"	-	27.5°N	92.5°E	-	15°	-	37°	11	45, 46, 29	Mare Marginus, Craters Joliot, Maxwell, Goddard, and Szilard
9882		ti	-	HORIZON	2	-	45°	-	20°		46, 47, 30	Craters Maxwell, Szilard, Seyfert, and Olcott
9883	"	11	-	11	11	-	80°	-	15°	17	65	Craters Guyot, Ostwald, King and 201
9884	11		-	29.0°S	107.0°E	-	125°	-	25°	71	82, 100 83, 101	Craters Pasteur, Hilbert, Milne, and Fermi
9885	,,	11	-	HORIZON		-	150°	-	22°	71	83, 101	Craters Hilbert, Milne, Alden and Fermi

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Frame Rev. No. No. 1	Camera	Approx.	Pri	incipal oint	Ap Til:	prox, t Data	Fwd	Approx.	Photo	Photo		
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9886	TEC	80mm	-	HORIZ	N	-	150°	-	25°	Good	-	Oblique View Looking SE into Schrodinger Rille
9887	17	"	- ~	32.0°S	125.0°E	-	140°	-	15°	11	-	Craters Hilbert, Alden, Milne, and Tsiolkovsky
9888	"	н	-	HORIZ	N	-	150°	-	17°	11	-	Craters Hilbert, Fermi, Milne, and Tsiolkovsky
9889	н	,,	-	25.0°N	107.0°E	-	70°	-	30°	+1	-	Craters Joliot, Maxwell; Flemming, Vestine, and Szilard
9890	11	17	-	-	_	-	170°	-	**	11	-	Oblique View Looking SSE Toward Lebedev Crater
9891	"	н	-	_	-	-	190°	-	33°	11	-	Oblique View Looking S into Schrodinger Rille
9892		"	-	-	-	-	-	-	-	11	-	Quarter Moon View Showing Rays from Crater Tycho
9893	11	**	-	-	_	-		-	-	72	-	Mares Fecunditatis, Tranquil- litatis, and Serenitatis
9894	11	17	-	-	-	-	-	-	-	11	-	Full Moon View Showing Mare Vaporum and Sinus Medii
9895	ti -	11	÷	-	-	-	-	-	-	н	-	Moon View Showing Mare Sereni- tatis and Mare Vaporum
9896	u.	<b>9</b> 9	÷	_	-	-	-	-	-	11	-	Full Moon View Showing Mares Tranquillitatis, Fecunditatis
9897	11	17	7	- 2	67 <del>-</del>	-	-	-	-	Poor	-	and Nectaris Mares Crisium, Tranquillitatis Fecunditatis
9898	-17	F7	_	-	-	-	-	-	-	11	-	Oblique View Showing Rays of Crater Tycho
9899	11	**	-	-	-	-	-	-	-	11	-	View of Rays of Crater Tycho
9900	11	Ħ	-	-	-	-	· _	-	-		-	Very Dark
### Magazine \_\_\_\_\_ A\$14-\_\_71 \_\_\_ Film \_\_3414, BW

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Frame	Rev.	Camero	Approx.	Prir Po	ncipal pint	App Tilt	orox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No,	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9901	TEC	8 Omm	-	-	-	-	-	-	-	Poor	-	Mare Tranquillitatis Mares Crisium, Tranquillitatis
9902		11	-	-	-	-	-	-	-	11	-	and Serenitatis
9903	tt	11	-		-	-	-	-	-	Fair	-	Mares Fertillitatis and Nectaris Crater Langrenus, Tycho Rays
9904	17	11	-	-	-	-	-	-	-	н	् -	Mare Nectaris, Tycho Ray Patterns
9905	11	"	-	-	-	-	-	-	-	11	-	Mare Nectaris, Tycho Ray Patterns
9906	н	"	-	-	-	-	-	-	-	*1	-	Mares Crisium, Fecunditatis, and Nectaris
9907			-	-		-	-	-	-		-	Mares Fecunditatis, Tranquil- litatis; Tycho Ray Patterns
9908	,,	11	-	-	-	-	-	-	-	н	-	Tycho Crater Ray Patterns
9909	.,	11	-	<del>.</del>	-	-	-	1	-	11	-	View of Southeast Quarter of Moon Nearside
<del>9</del> 910		11	-	-	-	-	-	-	-	Poor	-	Dark
9911		11	-	-	-	-	-	-	-	Fair	-	Mares Crisium, Fecunditatis, Tranquillitatis, and Nectaris
9912	11	11	-	-	-	-	-	-	-	Poor	-	Very Bright; Tycho Ray Patterns
9913	н	11	-	-	-	-	-	-	-	11	-	11
9914	11	11	-	-	-	-	-	-	-	L†	-	11
9915	"	IF	-	-	-	-	-	-	-	Good	-	Mares Crisium, Fecunditatis, Tranquillitatis, and Serenitati

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Mogazine <u>T</u> AS14-<u>71</u> Film <u>3414, BW</u>

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Frame No.	Rev.	Camera	Approx.	Pri P	ncipal oint	Ap; Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9916	TEC	80mm	-	-	-	-	-	-	-	Good	-	Mares Crisium and Fecunditatis Tycho Ray Patterns
9917	11	) И П	-	-	-	-	-	-	-	11	-	Mares Tranquillitatis and Nectaris; Tycho Ray Patterns
	- < -											
				END OF	MAGAZINE							
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### 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.

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Frame	Rev.	Comera	Approx.	Prir Po	ncipal bint	Apj Tilt	orox. Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
9918	TLI	80mm	_	_	-	-	-	_	_	Good	-	LM in S IV B
9919	,,	11	-	-	-	-	-	-	-	11	-	11
9920	,,	11	_	_	-	-	-	-	-	11	-	II.
9921	,,	н	-	-	-	-	-	1	_	11	-	"
9922	,,	11	-	-	-	-	-	-		71	-	и
9923			-	-	-	-	-	-	-	11		LM After Emerging from S IV B. S IV B in Background
9924	,,	TT	·_		-	-	-	٦	-		-	11
9925	"	17	-	-	-	-	-	-	-		-	LM Thrusters with S IV B in Background
9926		tt	-	_	-	-	-	-	-		-	п
9927		TT	-	-	_	-	-	-	-	17	-	n
9928	11	17		_		-	-	-	-	11	-	11
9929	11	ŦŦ	-	-	-	-	-	-	-	"	-	11
9930	н	**	-	-	_	-	-	-	-	11	-	11
9931		17	-	-	-	-	-	-		17		
9932	"	п		_	_	-	-	-	د	TT	-	S IV B

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### APOLLO 14 FRAME PHOTOGRAPHY

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Frame	Rev.	Camera	Approx.	Pr	incipal Point	App Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Deceviation
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9933	TLI	80mm	-	-	-	-	-	-	-	Good	-	S IV B
9934		п	-	-	-	<u>.</u>	2	1:	-	71	-	н
9935				_	-	-	-	-	-	11	_	и
9936	"	"	-	-	-		E.	-	₹.	17	_	н
9937	**	500mm	24	-	.7		<u>11</u>	5	·	Poor	-	Unidentified Reflections with Portion of Moon
9938		11	٤	-	_	-	-	1	1	11	-	11
9939	11	11	_	-	-	_		-	-	Ħ	-	11
9940	11	**	ü	· <b>_</b>	-	-	-	-	-	17	-	
9941	"	**	ų	L	-	-	-	-	_	Fair	_	11
9942		71	-	-	_	_	-	-	-	11	_	11
9943	"	11	·_	-	1 <u>-</u>	-	2	_	1	11	_	11
9944		ŤT	<u>.</u> г	-	<u>-</u>		-		si <sup>m</sup>	17	_	11
9945	11	,1	-	·	<u>e-</u>	. 1	_	<u>:</u>	**	11	_	`s 11
9946	11	78	ر ا∆ت	· _	_	_		_	_	11	_	u
9947	14	**	1:1,36ø,000	3.0°S	149.0°E	50°	0°	NA	7°	Good	LAC 84	Looking East From Point West of Chaplygin

### Magazine L AS14-72 Film SO-368, Color Sheet 3 of 9 Sheets

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Frame Rev. Ca No. No. fL	Camera	Approx.	Pri P	incipal 'oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description	
No.	No.	f Length	Photo Scale	Lat.	· Long.	Angle	Azimuth	0/L	Angle	Quality	Area	beschphon
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		11		, 11	147.0°E	,,	55°	17	6°	н	н	IT
9950	11	11	11	4.0°S	11	11 ×	80°	11	11	11	н	11
9951	11	11	11	3.5°S	11	71	95°	IT	11	11	n	Looking Southeast from Point West of Chaplygin
9952	п	11	11	5.5°S	71	11	100°	11	11	**	"	i.
9953	11	**		6.0°S	146.5°E	"	110°	11	Ħ	11	17	17
9954	"		11	5.5°S	146.0°E	"	11	11	7°.	11	17	н
9955	11	**	77	_	_	19 11	-			11	It	Looking Southeast from Point W:of Chaplygin and E of Vil'Ev
9956	11	11	ŦT	6.0°S	146.5°E	11	110°	11	6°	11	11	. п
9957	11	11	17	-	·	17	"	11	"	11	17	н
9958	"	11	17	3.0°S	146.5°E	11	17	н		11	11	Crater Vil'Ev
9959	11	11	11	4.0°S	146.0°E	11	120°	Ħ	7°	11	"	West of Crater Chaplygin
9960	,,	**	11	_	-	11	. 1		. H	**	**	
9961	11	н	78	6.5°N	125.5°E	11	350°	NA	28°	17	65	East of King Crater and West of Morozov Crater
9962	.,	11	11	6.0°N	124.5°E	11	330°	80	11	"	**	11

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### APOLLO 14 FRAME PHOTOGRAPHY

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Frame	Rev.	Camera	Approx.	Pr F	incipal Point	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Decaription
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Deachphon
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		- 17 - 17	lu)	5.5°N	123.5°E		,,	90%	н		,,	11
9965		H		6.0°N	123.0°E		11	80%	30°		"	East of King Crater
9966	н			"	n	11	11	95%	11		**	11
9967	11	н	н	5.0°N	122.0°E	11		35%	31°	"	**	Eastern Third of King Crater
9968	"	11 ×	<u>_</u> H	5.5°N	121.5°E		н	95%	17	11.2	11	II
9969	,,,		и И	11	121.0°E	"	11	80%	32°.		**	Eastern Half of King Crater
9970	,,	11 +	ņ	5.0°N	120.5°Ė	11	н	11	11	н	17	Western 3/4 of King Crater
9971	"	11	()	4.0°N	120.0°E	"	11	11	33°			Western Portion of King Crater
9972	17	11	11	11	11		17	95%		н	17	11
9973	н	н	С И	11	119.0°E	17	17	60%	34°	11	11	West of King Crater Showing Western Edge of Crater
9974	н	11	j H	11	13			98%	11		11	West of King Crater
9975	-11	97	11	-	-	17	17	-	*1	11	**	Some Portion of King Crater. Not Locatable
9976	н	11		4.0°N	119.0°E	11	н	98%	"	11	11	West of King Crater and NE of Abul Wafa
9977	"	11	17	_	-	-	-	-	-	н	-	Not Identifiable

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Frame	Rev.	Camera	Approx.	Pri P	incipal 'oint	Ap) Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9978	14	500mm	1:1,360,000	-	-	-	-	-	-	Good	-	Not Identifiable
9979	,,	11	u.	4.5°S	102.5°E	50°	340°	80%	50°	77	82	South of Saha Crater Looking NW
9980		11		U.		11	*1	95%	+1	11	11	Ŧ
9981	11	11		11	102.0°E	11	"	11	51°	11		11
9982			77	4.0°S	11	н	17	11	11	**	**	11
9983		17	11	17	101.0°E	11	11	**	52°		11	11
9984	11	11	11	17	IT	**	"	**	**	"	11	17
9985	11	11	71	11	11	н	11	11		11	11	Southwest of Saha Crater Looking Northwest
9986	"	**	**	6.0°S	100.0°E	11	335°	10%	53°	11	ŦŦ	11
9987	11	11	17	**	99.0°E	11	330°		54°	17	17	11
9988		н	11	17	98.5°E	11	"	30%	*1	11	*1	
9989	11 -	R	11	11	98.0°E	"	17	50%	55°	11	11	"
9990	11	**	**	**	97.5°E	11	11	*1	11	**	**	**
9991	11	17	11	23	97.0°E	11	,1	20%	56°		H	"
9992	н	11	11	-	-	-	-	-	11	11	11	n

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### APOLLO 14 FRAME PHOTOGRAPHY

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Mare Smythii Area Looking NNW From N Edge of Hirayama Crater

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Frame	Rev.	Camera	Approx.	Pri	incipal 'oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
9993	14	500mm	1:1,360,000	-	-	-	-	_	56°	Good	82	Southwest of Saha Crater Looking Northwest
9994	"	11	11	đ	-		-	<u>u</u>	11	н	11	н
9995			**	ar.	-	11	4	-	IT	11	71	н
9996	н	F1	11	<b>1</b> 4	л	u	ч	ч	п		**	Low Oblique Looking NW on NW Edge of Gansky Crater (Near Vert
9997	11	11	HT	-	2	a	ч	11	17	11	11	11
9998	11	H	11	7.0°S	97.0°E	50°	330°	ц.	71	"	11	"
9999	"	17	11	7.5°S	.,	,,	11	60%	11	11	11	17
10000	77	11	11	17	96.5°E	Н	н	20%	Ħ	,,	Ħ	
10001	11	#1	11	8.0°S	96.0°E	11	360°	"	57°	"	ŧT	11
10002	11	11	17	Ħ	11	17		98%	17	11	**	11
10003	11	19	17	Ħ	**	Ŧ	н	80%	19		FT	11
10004		91	. 11	3.0°S	94.0°E	55°	350°		59°	17		High Oblique Showing Erro Crater on East Edge of Mare Smythii
0005	.,	11	"	2 500	07 5°E		7550	108	71	11		High Oblique Looking NW in

60°

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Frame I	Rev,	Camera	Approx.	F	incipal Point	Ap Tili	prox. Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Sun Angle	Quality	Index Area	Description
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%	71	11	17	Mare Smythii Area Looking N from NW Edge of Hirayama Crater
10010	11	11	н	1.5°S	90.5°E	55°	11	25%	62°	11	81, 82	Mare Smythii Area Looking N from NW Edge of Hirayama Crater
10011	.,	11		3.0°S	.,	45°		10%	17	11	11	Mare Smythii Area Looking N from West Edge of Hirayama Crater
10012	"	11	"	5.0°S	90.0°E	55°	360°	5%	63°		11	11
10013		11	17	3.5°S	90.5°E	50°		75%	62°	"	11	Mare Smythii Area Looking N from NW Edge of Hirayama Crater
10014	,,	IT	17	3.0°S	- 90.0°E	55°	"	85%	63°	н	*1	
10015		11	11	11	11		11	11	**	17	"	Mare Smythii Area Looking NW from NW Edge of Hirayama Crater
10016	н	11	17	20 <b>11</b>	89.0°E	н	350°	30%	64°		71	Mare Smythii Area Looking NW from NW Edge of Hirayama Crater
10017		**	"	**	**	"	п	90%	11		81	U,
10018		н	11	**	t I	11	345°	It		91	**	"
10019	н	11	n	11	88.5°E	11	11	85%	TE FT	11	11	**
10020	,1	11	5 11	3.5°S	88.0°E	50°	н	80%	65°	"	11	11

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Frame	Rev.	Camera	Approx.	Pri P	ncipal oint	Apj Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
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	11	, TT	н	н	177		11	75%			н	
10025	"	11	11	11	1411	,,	17	90%	**	**	11	Mare Smythii Area Looking NW from Point WNW of Hirayama Crater
10026	••	17	11	11	86.5°E	11	н	95%	11	61	11	n
10027		11	**	**	11		"	-11	tt	- 11	11	11
10028	17	"		H	86.0°E	"	"	**	11	F 1	11	11
10029	11	"	**	11	-11	п	11	30%	11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11 3	11
10030	н	**		11	71	TT	11		71	**	11	n
10031	71	**	NA	NA	NA	NA	NA	NA	NA	Good	NA	Earth in Crescent View from Lunar Orbit
10032	,1	17		11	77	н		77	**	**	11	н
10033	- 11		11	11	ŤŤ	11	11	11	11	**	11	
10034		H	"	11	tt	11		11	77		tt	
10035		58		11		11	п	11	**	17	**	"
10036	11	11	11	71	IT	"	н	11	17	11	11	11
10037	н	ŦĔ	**	H	11	11	11	**	**	11	11	Earth in Crescent View from Lunar Orbit

Magazine L AS14-72 Film SO-368, Color

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Frame No.	Rev.	Camera	Approx,	Pri P	ncipal oint	Ap; Tilt	prox. Data	Fwd	Approx. Sun	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	o oscription
10038	14	500mm	NA	NA	NA	NA	NA	NA .	NA	Good	NA	Earth in Crescent View from Lunar Orbit
10039	11	н	11		11	11	11	11	*1	н		11
		END OF	MAGAZINE									
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#### 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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Magazine <u>M</u> AS14-<u>73</u> Film <u>SO-368</u>, Color

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Frame Rev. No. No.	Camera	Approx.	Prir Po	icipal pint	App Tilt	orox, Data	Fwd	Approx.	Photo	Photo Index	Description	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	·
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	11		11	14.0°S	29.5°E	н	17	40%	17	11	78	· 11
10042	11	IT		16.0°S	29.0°E	н	255°	25%	Ħ		"	18
10043		IT	11	"	28.0°E	, 11	240°	50%	11	11	**	Western Edge of Mare Nectaris Beaumont D Crater
10044		н	,1	16.5°S	27.0°E	н		30%	11	Fair	11	Craters Beaumont D and Cyrillus E
10045		11	*1	17.0°S	26.0°E	11	230°	20%	11	Good		Craters Beaumont D and Catharina
10046		**	1:508.200	16.0°S	11	30°	245°	11	65°	**	"	Craters Beaumont D, Cyrillus E, Cyrillus F
10047		Ħ		17	25.5°E	**	250°	50%	11	11	**	
10048			71	15.5°S	24.0°E	**	255°	-	Ħ	н	11	South Edge of Crater Cyrillus
10049		**	1:468,800	14.0°5	25.0°E	20°	11	20%	11	11	*1	Floor of Crater Cyrillus
10050		**	11	12.0°S	24.0°E	**	265°	11	11	17	11	West Edge of Crater Theophilus Floor of Crater Cyrillus
10051	.,		1:508.200	11.0°S	23.5°E	30°	_	-	11	11	H	Area Just West of Crater Theophilus
10052	,,		17	9.5°S	22.5°E	11	250°	н н	63°	11		Crater Kant C
10053	11	11		11	21.5°E	11	H.	65%	61°	11	11	11
10054	11	ti	1:574,600	-	-	40°	245°	30%	60°	11	11	Area Between Kant C and Kant

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Frame	Frame Rev. No. No.	Camera	Approx.	Pri P	ncipal oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lot,	Long.	Angle	Az imuth	0/L	Angle	Quality	Area	Description
10055	26	250mm	1:468,800	11.5°S	19°E	20°	265°	-	60°	Good	78	Crater Kant D
10056	"	11	п	12°S	19.5°E	11	260°	30%	н	11	н	п - п
10057	,,		"	11.5°S	19.5°E	"	11		tf -	**	31	
10058	11	11	1:455,500	11°S	19°E	15°	265°		11	11		11 11
10059	п	17	<b>F1</b>	12°S	20.5°E	91	н	20%	11		11	Area Just South of Crater Kant
10060	11	11	1:468,800	12°S	19.5°E	20°	260°	30%	17		71	South Rim of Crater Kant, Crater Kant D
10061	"	11	17	"	19°E	11	265°	50%	IT	H+	H	Crater Kant D
10062	11	••	1:485,500	н	18°E	25°	11	10%	58°	"	11	н
10063	13	97	TT	11	17°E		"	30%	57°	11	t†	Crater Descartes
10064	17	11	1:468,800	11.5°S	17°E	20°	11	50%	н	11	11	н н
10065	11	"	1:455,500	91	16.5°E	15°	11		56°	17	11	11 11
10066	,,	11	н	11°S	16°E	**	11	60%		11	н	
10067	ŧ	τı	п	11.5°S	15.5°E	11	260°	30%	55°	н	17	Crater Descartes, Descartes A
10068	"	11	17	12.5°S	15°E	tt	11	_		Fair		Crater Descartes
10069	11	H	1:485,500	13.0°S	15°E	25°	255°	20%	"	Good	11	Area Just East of Crater Abulfeda

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No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
10070	26	250mm	-	19.0°S	13.0°E	65°	205°	-	53°	Good	78,96	Craters Geiber, Abenezra, Azophi, and Geber B
10071	11	17	1:880,400	18.0°S	13.5°E	60°	215°	40%	54°		n	Craters Geber, Geber B, and Abenezra
10072	п	17		16.5°S	12.0°E	71	220°	10%	52°	11		Craters Abulfeda N and Abenezra P
10073	11	H	11	15.5°S	10.5°E	11	- HT	-	50°	**	78, 77, 95, 96	Craters Abulfeda A and Airy B
10074	н	11	11	15.0°S	10.0°E	11	230°	30%	11	**	IT	Central Highlands Near Crater Airy B
10075		14	1:767,100	14.5°S	9.0°E	55°	71	11	49°	17	77,78 95	Craters Airy A and Abulfeda D
10076	н	17	17	15.0°S	8.5°E	*1	225°	11	48°	**	77, 95	Craters Abulfeda D, Airy A, and Argelander
10077	н	11	1:880,400	14.5°S	7.0°E	60°		10%	46°	11		Craters Burnham, Vogel, and Argelander
10078	11	14	1:767,100	14.0°S	7.5°E	55°	220°	60%	47°	11		Crater Burnham
10079	11	11	1:880,400	15.5°S	6.5°E	60°	225°	30%	46°	11	**	Craters Vogel, Burnham, Argelander, and Airy
10080	11	91	1:767,100	13.5°S	**	55°	11	15%	11	17	77	Craters Vogel, Vogel B
10081	13		1:679,950	13.0°S	5.5°E	50°	11	50%	45°	н	11	SE Rim òf the Crater Albategnius
10082	"	**	11	0	5.0°E	н	11		11	11	"	Craters Albategnius and Parrot
10083	"	**	1:767,100	13.5°S	4.0°E	55°	230°	17	44°	ŦŦ	91	11
10084	11	**	H	tt	3.5°E	11	11	"	н	11	"	11

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Frame	Frame Rev. No. No.	Comero	Approx.	Pri	incipal Point	Ar Til	prox. t Data	Fwd	Approx.	Photo	Photo	_
No,	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Sun Ángle	Quality	Area	Description
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	11	11	11	**	2.5°E	"	220°		**	11	"	Crater Klein
10087	"	f1	1:679,950		2.0°E	50°	11	14	42°		71	Craters Klein & Alphonsus B
10088	"	11		14.0°S	1.0°E	"	"	11	41°	11	17	Crater Alphonsus B
10089	.,	**	"	"	0.5°E		11	**	40°	"	ŦŦ	
10090	11	11	11	**	0°		225°	71	н	F7	17	11
10091	11	11	**	13.0°S	1.0°W	11	230°	40%	39°	**	"	SW Portion of the Floor of the Crater Alphonsus
10092	11	**	11	12.5°S	2.0°W	11	235°	30%	38°	11	27	Craters Alphonsus and Alpetragius
10093	11	11	17	12.0°S	2.0°W	11	. н	60%	**	17	**	11
10094	11	"	1:767,100	12.5°S	2.5°W	55°	240°	50%	11	11	IT	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	"	н	-	14.5°S	4.0°W	65°	215°	20%	36°	**		Mare Nubium; Craters Alphonsus, Alpetragius, Alpetragius B
10097	11		1:679,950	13.0°S	**	50°	210°	-	*1	"	77	Craters Alphonsus and Southern Tip of Ptolemaeus
10098	"	"		11.5°S	3.5°W	17	245°	"-	71		17	SW Portion of Crater Ptolemaeus
10099	"	17	**	12.0°S	4.0°W	н	250°	··-	Ħ	н	17	**

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Frame	Frame Rev. C No. No. fi	Camera	Approx,	Pri P	ncipal oint	Ap	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
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	11	11 -	<b>FT</b>	10.5°S	5.0°W	11		n	35°	"	ŦŦ	Craters Davy G and Davy Y
10102	17	11	1:574,600	10.0°S	5.5°W	40°		-11	11	"	17	с 
10103	,,	11	1:622.200	10.5°S	6.0°W	45°	H _1	60%	34°	"	IŤ	Craters Davy G, Y; Crater Davy
10104	"	11	1:767,100	11.0°S	6.5°W	55°	240°	40%	11	н	17	Craters Davy G, Y; Craters Davy and Lassel
10105		11	1:574,600	9,5°S	IT	40°	250°	-	"	**	11	Craters Davy Y and Ralisa
10106	11	Ħ	1:485.000	11.0°S	13.0°W	25°	11	11	27°	UT.	76	Craters Guericke, Guericke D, Guericke C
10107	11	11	1:469.000	9.5°S	13.5°W	20°		10%			IT	Craters Parry A and Guericke
10108	11	11	11	8.0°S	14.0°W	17	260°	_	26°	77	11	Area Just East of Parry A; Mare Nubium
10109	11	11	1:455,000	**	"	15°	н	· <u>-</u>	R ·	н	11	Rima Parry II, Mare Nubium
10110	11	11	71	7.5°S	15.0°W	11	255°	50%	25°	11	11	Craters Parry; Rima Parry II
10111	11	н	71	7.0°S	15.5°W	11	250°	20%	11	11	IT	Craters Parry and Fra Mauro
10112	Ħ	"	1:469,000	-19	16.5°W	20°	11	10%	24°	11	17	Rima Parry, Craters Parry, Fra Mauro, Bonpland
10113	"	11	1:455,000	6.5°S	<b>\$1</b>	15°	255°	50%	FI	n.	11	Rima Parry, Crater Fra Mauro
10114		. 11	1:485,000	7.5°S	16.0°W	25°	250°	10%	17	11	11	Craters Parry and Bonpland

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Craters Gilbert K and Gilbert J, Gilbert

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Frame	Rev.	Comera	Approx.	Pr	incipal Point	Ap Til	prox. t Data	Fwd	Approx.	Photo	Photo	_
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Areo	Description
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	,,		11	.17	17.5°W	"	"	60%	17		11	11
10117	и		11	7.0°S	н.		255°	50%	- 11	11	н	11
10118	"	17	17		18.5°W	11	11	-	22°	"	"	Northeast Edge of Known Sea
10119	"	11	1:446,000	4.0°S	21.0°W	10°	11	_	19°		**	Crater Fra Mauro B
10120	11	"	1:469,000	2.0°S	26.0°W	20°	260°	-	14°	11	11	Highland Area Just South of Crater Lansberg
10121	и	17	1:508,000	н	- 11	30°		60%	11	"	**	н
10122	,11	11	17		26.5°W		265°	80%	11	11	17	11
10123		11 -	1:446,000	· 11		·10°	270°	50%	17	11	11	н
10124		11		11	n	-11	11	80%	Ħ	,11	11	н
10125	11	11		1.5°S	"	u.	275°	11	**		11	11
10126	27	11	1:767,100	4.0°S	75.0°E	55°	20°	-	64°	17	63, 81	Crater Gilbert
10127		н	1:880,400	3.5°S	74.5°E	60°	17	65%	**	11	11	11
10128	11	н	**	11	74.0°E		11	50%	65°		17	Craters Gilbert, Gilbert K

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Frame	Rev.	Comera	Approx.	Prir Po	icipal bint	App Tilt	prox. Data	Fwd	Approx.	Photo	Photo Index	Description
No,	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
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		, / 11	,,	3.5°S	72.0°E	11	11	11	67°	н	11	Craters Maclaurin B, Gilbert J and Maclaurin L
10132				3.0°S	71.0°E	65° ·	15°	30%	68°	н	11	Craters Maclaurin B and Maclaurin L
10133	н.	"	1:574,600	2.0°S	16.5°E	40°	325°	_	58°	п	78	Crater Delambre
10134	11	11	1:622,200	1.5°S	11	45°	,,	30%	11	11	"	
10135	"	11	1:574,600	11	tt	40°	11	60%	11	н	11	11
10136	н	11	11	2.0°S	н	,, ,	11	20%	11	н	11	Craters Delambre and Theon Junior
10137		н	1:537,100	3.5°S	17.0°E	35°	330°	1	59°	11	11	Just South of Crater Delambre
10138		н	1:508,200	4.0°S	11	30°	335°	10%		11	17	Area Just North of Taylor Crater
10139	"	11	It	8.5°S	64.0°E	72°	45°	-	65°	11	77	Rim of Crater Langrenus
10140	11	н	1:485,500	11	63.5°E	11	17	10%	77	71	11	n
10141	11	**	1:468,800		11.0°E	11	11	30%	66°	11	tI	11
10142	11	11	"	8.0°S	62.5°E	73°	40°	50%	11	н	71	Floor of Crater Langrenus
10143	11	11	1:455,500	†1	IT	-11	11	60%	67°	11	н	
10144	11	Ħ	1:468,800	11	61.5°E	17	30°	65%	13	**	**	Floor of Crater Theophilus Including Central Peaks

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Frame	Rev.	Camera	Approx.	Pri P	ncipal oint	Ap Tilt	prox, Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
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	11	11	11	tt	17	11	11	50%	67°	"	*1	IT
10147		11	1:574,600	n	н	ff	11	20%	11	"	ŦŦ	Floor and Rim of Crater Langrenus
10148		н	. 17	11	н			н	17		**	Floor and Central Peaks of Crater Langrenus
10149		н	72	17	11	,"		40%	11	**	77	17
10150	11	н	1:537,100	9.0°S	61.0°E	"		30%	**	ŧt	11	IT
10151	11	11	1:508,200	н	н	11	"	20%	11	11	* *	North Rim and Floor of Crater Langrenus
10152	11	11	1:537,100	11	11		11	40%	68°	Fair	11	11
10153	н	11	1:574,600	10.0°S	59.0°E	74°	30°	20%	69°	Good	11	
10154	28	17	-	_	-	-	130°	-	83°	TT	80	Mare Fecunditatis Near Langrenus D
10155	11	11	<b>m</b>	-	-	-	"	40%	11	.,	**	"
10156	n <sup>ee</sup>	11	<u>,</u>	-	-	-		11	IT	11	tł.	17
10157	11	11	_	- 11	-	-	н	11	11	17	17	17
10158		11	1:508,200	9.0°S	54.0°E	30°	95°	-	85°	н	11	Mare Fecunditatis, Crater Langrenus DA
10159	11	17	11	8.5°S	53.5°E	11		50%	11	Fair	1't	п

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Frame	Frame Rev. Camera No. No. f Length	Camera	Approx.	Prin Pri	ncipal oint	Apj Tilt	prox. Data	Fwd	Approx. Sun	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/Ľ	Angle	Quality	Area	
10160	28	250mm	1:508,200	8.0°S	53.5°E	30°	95°	50%	85°	Good	80	Mare Fecunditatis, Crater Langrenus DA
10161	17	11	11	8.5°S	51.0°E		80°	121	88°	11	*1	Mare Fecunditatis, Near Crater Goclenius A
10162		11	1:574,600	7.5°S	17	40°	11	20%	11	11		11
10163	н	11	1:508,200	7.0°S	50.0°E	30°	11	10%	11	11	79,80	Crater Goclenius A
10164	п	11	"	H	11	11	11	70%	13		11	н
10165	11	۲T	"	6.5°S	49.5°E	"	11	50%	11	Fair	79	Mare Fecunditatis Near Crater Goclenius A
10166	11	11	17	-	-	11	11		11	Good	11	11
10167	11	TT	11	Ŧ	-	11	11		11	н	ł1	11
10168		17	**	÷		11	11	17	**	11	11	"
10169		11	_	2.0°S	47.5°E	65°	10°	-	71	11	ŦE	Craters Messier D, A, B, Mes- sier, Taruntius H, Mare Fecun- ditatis
10170	TEC		-	-	-	1	_	-	-	11	-	Mares Fecunditatis, Nectaris Quarter Moon View
10171	1	11	_	1	-	-	-	-	-		-	Tycho Ray Pattern
10172		11	_	-	4	ţ	-	-	-		_	
10173	11	11	_	-	-	-		-	-	11	_	Tycho Ray Pattern, Mares Fecun- ditatis, Nectaris, Tranquillitatis
10174	tt	11	+	-	-	-	• -	-	-	11	-	Mares Nectaris, Crisium, Fecund. Tranquillitatis, Serenitatis

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Frome	Frame Rev. ( No. No. f	Camera	Ápprox.	Pri P	ncipal oint	Ap Tilt	prox, Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
10175	TEC	250mm		-	-	_	_	-	_	Good	-	Tycho Ray Pattern
10176	11	11	_	_	-	-	-	-	-	Fair	-	View of Southern Tip of Moon
10177	11		_			-	_	-		Good	-	Mares Crisium, Serenitatis,Tran- quillitatis, Fecunditatis
10178	- 11			_	_	_	_	-	-	11	_	Tycho Ray Patterns Mare Nectaris
10179			_	_	_	_	_	-	_		_	11
10180		11	-	_	-	_	-	-	-	71	_	Tycho Ray Patterns, Mares Nectaris, Fecunditatis
10181	11	11	_	1	-	-	-	-	-	Fair	-	View of Southern Tip of Moon
10182	,,	11	_	-	_	-	-	-	-	Poor	-	No Image
10183		11	-	0 _	s() _	-	-	-	-	Good	-	View of Lunar Backside From 120°E to 40°E, S Latitudes
10184		17	_	_	-	-	-	-	-	11	-	Tycho, Mare Nectaris
10185	.,	-11	-	-	-	-	_	-	-	11	-	Tycho, Ray Pattern
10186	,,	71	-	_	.=	_	_	-	× _	н	_	Tycho, Langrenus, Mares Nectari: Fecunditatis
10187		11		-		_	-	-		IT	-	Mares Crisium, Tranquillitatis, Nectaris – Tycho
10188	17	11	-	-	-	-	-	-	-		-	Tycho Ray Patterns
10189	,,	11	-	_	и 	_	_	_	_	*1	-	Tycho

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Frame	Frame Rev. C No. No. fi	Camera	Approx.	Pri P	incipal 'oint	Ap Tilt	prox. † Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
10190	TEC	250mm	-	-		-	_	_	_	Good	-	Tycho, Mare Fecunditatis
10191	,,,	и.	-	-	-	-	-	-	-	11	-	Tycho, Ray Patterns
10192	"	11	-	_	_	-	-	-	-	11	-	Tycho, Mares Crisium, Fecunditatis, Nectaris
10193	11	11	-	_	-	_	_	_	-	••	_	Mare Smythii, Langrenus
10194	"	11	-	-	-	_	-	-	-	Fair	-	TEI Lunar View
10195	н	H	_	-	-	-	_	-	-	Good	-	Tycho; Mares Serenitatis, Tran- quillitatis, Nectaris, Fecundi- tatis
10196	11	11	_	-	-	-	_	1	-	**	-	Full Moon View
10197	- 11	"	_		-	-	-	-	-	11		"
10198	11	11	_	_	-	-	-	-	- 33	н	-	Half Moon View
10199		TF	_	_	· _	-	-		-	11	-	Full Moon View
10200	-11	Ħ	-	-	_	-	-	-	-	11	-	11
10201	,,	F1	_	_		-	-	-	_	11	-	11
10202	· 11	11	-	_	_	_	_	-	_	н	-	11
10203	11	11	-	_	_	-	-	-	-	71	-	11
10204	11		_	_	-	-	_	- 1	_	"	-	Quarter Moon View

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### 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.

Magazine N\_\_\_\_\_AS14-\_\_\_74\_\_\_Film\_\_S0-368, Color

Sheet 1 of 2 Sheets

Time Reference GET GMT

Frame	Frame Rev. No. No.	Camera	Approx.	Pric	ncipal oint	Apj Tilt	brox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long,	Angle	Azimuth	0/L	Angle	Quality	Area	Description
10205	12	80mm	-	-	-	-	-	-	-	Good	-	LM Separation Before Landing
10206	11	F1	-	-	-	-	-	-	-	- 17	-	11 11
10207	11		-	-	-	-	-	-	-	11	-	11
10208	71	11	-	-	-	-	-	-	-	17	-	н
10209	71	11	-	-	-	-	-	-	-	11	-	77
10210	Ņ	Ħ	-	-	-	-	-	-	-	11	-	Ŧf
10211	11	11	-	-	-	-	1	-	-	11	-	Unidentified
10212		11	-	-	-	-	-	-	-	11	-	LM Jettison
10213	17	11	-	-	-	-	1	-	-	11	-	11
10214		11	-	-	-	-	1	-	-	11	-	11
10215	17	11	-	-	-	-	-	-	-	"	-	11
10216	H.	11	-	-	-	-	-	-	-	17	-	11
10217	н	11	-	-	-	-	-	-	-	11	-	11
10218	11	71	-	-	-	-	-	-	-		-	11
10219	ų	11	-	-	-	-	-	-	-	**	-	**

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### APOLLO 14 FRAME PHOTOGRAPHY

Magazine N A514-74 Film SO-368, Color

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Time Reference GET GMT

Frame	Rev.	Camera	amera Approx. ength Photo Scale	Prin Pri	ncipal pint	Approx. Tilt Data		Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
10220	12	80mm	-	-	-	-	-	-	-	Good	- '	LM Jettison
10221 <sup>.</sup>	83	11,	-	-	-	-	-	-	-		-	"
10222	71	11	-	-	-		-		-	11	-	11
				END OF	MAGAZINE							
			•									
						·						
П							-					
		•	/				•					

### 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.

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Magazine \_\_\_\_ A\$14-\_\_\_75\_\_\_ Film \_\_3414, BW\_\_\_\_

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Frame	Rev.	Camera	Approx.	Prin Pri	ncipal pint	Ap) Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	' Quality	Areo	Description
10223	15	8 Omm	-	6.0°S	129.0°E	55°	88°	80°	ZERO PHASE	Good	-	Looking East to Craters Love and Prager #284
10224		11	_	11	128.0°E	40°	90°	н	77	,,	_	п
10225	"	17	-	11 🗇	127.0°E	55°	87°	11	TF.	11	-	"
10226	"	11	-	11	124.0°E	50°	80°	11	11		-	u
10227	,,	IT	-	6.5°S	11	"	11		**	17	_	u
10228	11	91	-	7.0°S	123.5°E	11	"	"	11	11	_	н
10229	11	11	_	н			17	н	Ħ	"	-	11
10230		11	-	11	122.5°E	55°	17	11	11		_	"
10231	11	11	_	- n	122.0°E	11		11	н	11		н
10232	11	11	_	11	11	11	11	71	"	Π	_	Looking East from NE Corner of Langemak to Crater Love
10233	**	11	_	11	11	11	-11	11	11	ii.	_	Langemak
10234	"	11	-	н	120.0°E	77	71		a 11	11	_	н
10235	11	11	-	н	**	17	71	17	11	11	_	11
10236	11	"	-	н	119.0°E	11	н	11	11	TT	_	
10237		11	_	"	118.0°E	11	н	"	"	н	_	Northeast Edge of Meitner, Langemak

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### APOLLO 14 FRAME PHOTOGRAPHY

Magazine \_\_\_\_\_ A514-\_\_\_75\_\_\_ Film \_\_\_3414, BW

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Frame	Rev.	Comera f Length	Approx.	Principal Point		Ap Tilt	Approx. Tilt Data		Approx. Sun	Photo	Photo	Description
No.	No.	f Length	"Photo Scale	Lat.	Long.	Angie	Azimuth	0/L	Angle	Quality	Areo	beac, ipriori
10238	15	8 Omm	-	8.0°S	115.0°E	55°	90°	80%	ZERO PHASE	Good	-	Meitner, Langemak
10239	11	, н	-	9.0°S	IT	11	11	**	*1	н	-	н
10240	11	11	-	11	114.5°E	11	11	17	71	11	-	11
10241	17		-	ŦŦ	113.0°E	17	ŧr	н		11	-	IT
10242		н	_	9.5°S	112.5°E	11	11	11	**	11	-	н
10243	11	91	_	10.0°S	111.5°E	11	H	11	н		-	E Edge Pasteur, Meitner
10244	н	11	-		110.0°E	50°		п	11	11	-	**
10245	"	It	-	н	109.0°E	55°	"	в		11	-	11
10246	**	71	-	11.0°S	05.5°E		280°	н	11	Fair	-	Albategnius, Klein
10247	"	11	-	11	.04.0°E	60°	н	н		**	-	"
10248	11	17		17	03.0°E	11	"	**	11	11	-	**
10249	11	11	-	17	Ħ	65°	**	н	11	**	-	**
10250	••	Ŧ	-	11	01.0°E	60°	11	н	11	+1	-	
10251	11	11	-	10.0°S	0°	71	н	81	11	11	-	Albategnius, Ptolemaeus
10252	11	"	-	11	*1	55°	11	Ħ	91	11	-	

### Magazine <u>R</u> AS14-<u>75</u> Film <u>3414, BW</u>

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Frame	Rev.	Camera	Approx.	Pri P	ncipal oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	Decretation
No.	No.	f Length	Photo Scale	Lot.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	<i>weatherin</i>
10253	15	80mm	-	10.0°S	2.0°W	60°	280°	80%	ZERO PHASE	Fair	77	Ptolemaeus
10254	"	11	-	9.5°S	3.0°W		,,		11		11	н
10255	11	17	-	11	3.5°W		"	17	11	**	11	н
10256	,,	.,	-	9.0°S	4.0°W		11	**	11	17	"	Ptolemaeus and Davy G and Y
10257	11	ŧt	-	H	4.5°W	H	11	11	11	11	17	11
10258	,,	.,	-	17	6.0°W	н	н		ŦŦ	11	11	Ptolemaeus, Davy
10259			-	н	6.5°W	11	17	17	н		"	. п
10260		11	-	11	7.0°W	11		11	11		76	17
10261		"	-	8.0°S	8.0°W	55°	11	11	н		17	Davy, Fra Mauro, Bonpland, Parry, Guericke
10262	,,		-	11	10.0°W	н	11	98	IT	It	2 п	Fra Mauro, Bonpland, Parry, Guericke
10263		11	-	7.5°S	11.0°W	60°	п	11	н	11	17	н
10264		11	-	fi	12.0°W	"	н	71	11	н	11	н
10265	11	11	-	н	15.0°W	11	11	11	11	н	11	Fra Mauro, Bonpland, Parry
10266	17	11	-	7.0°S	11	11	н	71	11	11	17	н
10267	11	**	-	11	16.0°W	11	17	н	"	**	11	11

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### APOLLO 14 FRAME PHOTOGRAPHY

Magazine \_\_\_\_ R\_\_\_ A\$14-\_\_75 Film\_\_3414, BW

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Frame	Frame Rev. Car		Approx,	Pr	rincipal Point	Ap	prox, t Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Sun Angle	Quality	Index Area	Description
10268	15	80mm	-	6.5°S	18.0°W	60°	290°	80%	ZERO PHASE	Fair	76	Fra Mauro, Bonpland, Parry
10269	11	11	-	11	17	11	н	11	IT	.,,	**	
10270		**	-	5.5°S	23.0°W		"		н	н	11	**
10271	11	11	-	6.5°S	20.0°W	н	11	11		"	11	н
10272	"	11	-	11	11	71	11	Ħ	17	"	**	11
10273	16	**	-	7.0°S	117.0°E	55°	90°	11	11	11	83	Looking East to Langemak
10274		п	-	8.0°S	115.0°E	17	11	п	11	н	ŤI	11
10275		11	-	ti	114.5°E	н	н	11	17	"		11
10276	,11	17	-	**	п		"	100%	н	17		Looking ENE to Langemak
10277	11	11	-	11	113.0°E			17	TT	ŧ		11
10278	,,	11	-	**		11	17	80%	11			11
10279	11		-	8.5°S	112.5°E	11	"	11	н	11		East to Meitner and Langemak
10280	"	11	-	9.5°S	112.0°E	11	н	н	"	"	82	11
10281	н	71	-	11	110,0°E	"	н	11	и		17	Pasteur, Meitner
10282	11	"	-	11	109.0°E	"	11	11		"	11	11

Magazine \_\_\_\_ R\_\_\_ A\$14-\_\_\_75\_\_\_ Film \_\_\_3414, BW

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Frame Rev	Rev	Comera	Approx.	Pri P	ncipal oint	App Tilt	prox, Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
10283	16	80mm	-	10.0°S	108.0°E	50°	90°	80%	ZERO PHASE	Fair	82	Pasteur, Meitner
10284	"	**	-	- 11	105.0°E	11	11	17	11		11	11 11
10285	11	••	-	11	17	55°	11	17		11	11	11 11
10286	11		-	*1		11	11	17	17	н	11	Pasteur
10287	н	"	-	**	104.0°E	n	11	17	11	11	**	н
10288	"	11	-	"	103.0°E	11	"	17	tt		"	и
10289	11	11	_	.11	102.0°E		11	17	Ħ	н	11	и
10290		11	-	11	100.0°E	"	11	H	ŦŤ		C 11	11
10291	"	H	-		99.5°E	50°	"	11		**	"	11
10292		H	-	11	98.5°E	"		11	11		11	IT
10293			_	н.,	. 11	55°	u	17	11	**	11	"
10294		11	-	17	97.5°E	50°	.,	11	11	11	11	Pasteur, Blacklund
10295			-	17	96.0° <sub>E</sub>	55°		,,	11	.,	11	
10296	"	H	-		95.0°E	"	"-	11	11		91	11 11
10297	"	11	-		94.0°E	"	"	11	= = 11		11	н

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Magazine <u>R</u> <u>A514-75</u> Film <u>3414, BW</u>

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Frame	Rev.	Camera	Approx.	Pri	ncipal oint	Ap Tilt	Approx. Tilt Data		Approx. Sun	Photo	Photo	Dennistan
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Sun Angle	Quality	Index Area	Description
10298	TEI	8 Omm	_	-	_	_	-	-	_	Poor	-	TEI: Crater 282
10299	,,	11	_	-	_	-	-	-	-	,,	-	"
10300	11	11	_	-	_	_	-	-	Low	Fair	-	TEI: Craters Belvak, Langemak, 287, and Danjon
10301	17	11	_	-	-	_	-	-	"	11	-	
10302	11		-	-	-	-	-	-	11		-	Mare Smythii, Craters Pasteur and Hilbert
10303	Ħ	н	-	-	-	-	-	-	n	н	-	11
10304	11		-	-	-	-		-	и	Ħ	-	Mares Crisium, Mareinus, and Smythii
10305	11	TT	-	-	-	-	-	-	"	17	-	Craters Goddard, Al-Biruni, and Hertz
10306	11	11	-	-	-	-	-	-		11	-	Craters Joliot, Maxwell, and Lomonosov
10307	п	,,	-	-	-	-	-	-			-	Mare Smythii, Craters Pasteur and Joliot
10308	п	tt	-	-	-	-	-	-	"	**	-	Mare Smythii, Craters Pasteur and Belvar
10309	FT	H	-	-	-	-	-	-	**	11	-	Mare Crisium, Mare Smythii, Crater Goddard
10310	н	11	-	-	-	-	-	-	н	71	-	Craters Sabry, Riemann, and Hertz
10311	11	11	-	-	-	-	-	-	.,		-	Craters Moiseev and Seyfert
10312		'n	-	-	-	-	-	-	**	**	-	Mare Smythii, Craters Joliot and Seyfert

Magazine <u>R</u> A514-<u>75</u> Film <u>3414</u>, BW

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Frame	Rev.	Camera	Approx.	Pri P	ncipal oint	Ap; Tilt	prox. Data	Fwd	Approx.	Photo	Photo Index	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
10313	TEI	80mm	-	-	-	-	-	-	Medium	Good	-	Mare Smythii, Craters Pasteur, Hilbert and Alden
10314	,,	11 .	-	-	-	-	-	-	11	77	-	Mare Crisium, Mare Smythii, Craters Joliot and Seyfert
10315	,,	11	-	-	-	-	-	-	H.,		-	Craters Joliot, Seyfert and King
10316		71	-	-	-	۰ <b>ــ</b>	-	-	11		-	"
10317	.,	**	-	-	-	-	-	-	17	11	-	11
10318	17	"	-	-	-	-	-	-	11	"	-	11
10319		11	-	-	-	-	-	-	11	- 11	-	н
10320	11	ti	-	-	-	-	-	-		*1	-	"
				END OF	MAGAZINE							
								-				

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### 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.
Mogazine \_\_\_\_\_\_ A\$14-\_\_\_76 \_\_\_\_Film \_\_\_\_\_SO-368, Color

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Frame	rame Rev. Cam		Approx.	Pri P	ncipal oint	App Tilt	Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
10321	-	80mm	-	-	-	-	-	-	-	Poor	-	Docking Probe and CSM Instrument Panel
10322	-	н	-	-	-	-	-	-	-	11	-	Poor Focus, Limited Depth-of- Field
10323	-	н	-	-	-	-	-	-	-	11	-	n
10324	-	11	_	-	-	-	-	-	-	77	-	
10325	-	н	-	-	-	-	-	-	-	79	-	"
10326	-	п	-	-	-	-	-	-	-	11	-	11
10327	-	н	-	-	-	-	-	-	-	17	~	ţŧ
10328	-	н	-	-	-	-	-	-	-	17	-	11
10329	-	п	-	-	-	-	-	-	-	17	-	11
10330	-	tr	-	-	-	-	-	-	-	11	-	11
10331	-	н	-	-	-	-	-	-	-		-	11
10332	-	11	-	-	-	-	-	-	-	Black	-	-
10333	-	ŦŦ	-	-	-	-	-	-	-	Poor	-	CSM Instrument Panel
10334	-	11		-	-	-		-	-	11	-	11
10335	-	21	- /	-	H	-	α -	-	-	**	-	

Magazine \_\_\_\_\_ AS14-\_\_76 Film \_\_\_SO-368, Color

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Frame	Rev.	Camera	Approx.	Prin Prin	ncipal pint	Ap Tilt	prox, Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
10336	-	8 Omm	-	-	-	-	-	-	-	Poor	-	CSM Instrument Panel
10337	-	в	-	-	-	-	-	-	-	11	-	11
10338	-	11	-	- 2	-	-	-	-	-	11	-	n
10339	-	11	-	-	-	-	-	-	-		-	17
10340	-	17	-	-	-	-	-	-	-		-	11
10341	-	11	-	-	-	-	-	-	-	.,	-	17
10342	-	11	-	-		-	-	-	-	11	-	11
L0343	-	н	-	-	-	-	-	-	-		-	17
10344	-	11	-	-	-	-	-	-	-	11	-	11
0345	-	11	-	-	-	-	-	-	-	11	-	17
.0346	-	11	-	-	-	-	-	-	-	ш.,	-	71
0347	-	11	-	-	-	-	-	-	-	н	-	High Altitude Earth View
0348	-	87	-	-	-	-	-	-	-	11	-	If It
0349	-	11	-	-	-	-	-	-	-	**	-	11
0350	-	11	-	-	-	-	-	-	-	Fair	_	11

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Frame	Rev.	Comera	Approx.	Pri P	ncipal oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo ladex	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
10351	-	80mm	-	-	-	-	-	-	-	Fair	-	High Altitude Earth View
10352	-	tt	-	-	-	-	-	-	-	11	-	н
10353	-	11	-	-	-	-	-	-	-	11	-	II.
10354	-	It	-	_	-	-	-	-	-	11	-	u
10355	-	н	-	-	-	-	-	-	-	11	-	IT
10356	-	11	-	-	-	-	-	-	-	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.

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Frame Rev. Comera		Comera	Comera Approx,	Pric	ncipal pint	Apj Tilt	prox, Data	Fwd	Approx.	Photo	Photo	Descistion
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
10375	-	80mm	_	-	_	_	_	-	12°	Poor	76	View of Lunar Surface Over-Exposed
10376	-	и	-	-	-	-	-	-	н		11	п
10377	-	It	-	-	-	-	-	-	71	17	H	11
10378	-	н	-	-	-	-	-	-	Ť	н	IT	"
10379	-	11	-	-	-	-	-	-	-	11	-	No Visible Image
10380	-	17	-	-	-	-	-	-	-	н	-	
10381		11	-	-	-	-	-	-	-1	11	-	"
10382	-	н	-	-	-	-	-	-	-	11	-	н
10383	-	11	-	-	-	-	-	-	-		-	11
10384	-	11	-	-	-	-	-	-	-	"	-	п
10385	-	"	-	-	-	-	-	-	1	11	-	"
10386	- 1	11	-	-	-	-	-	-	-	11	-	11
10387	-	"	-	-	-	-	-	-	-	H	-	"
10388	-	**	-	-	-	-	-	-	-	н	-	
10389	-	11	-	-	-	-	-	-	-	11	-	11

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# APOLLO 14 FRAME PHOTOGRAPHY

Magazine <u>S</u> A514-<u>78</u> Film <u>SO-2485, BW</u>

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Frame	ame Rev. Camera	Camera f Length	Approx.	Pri P	ncipal oint	App Tilt	brox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	
10390	-	80mm	-	-	-	-	-	-	-	Poor	-	No Visible Image
10391	-	11	-	-	-	-	-	-	-	11	-	н
10392	-	11	-	-	-	-	-	-	-	11	-	
10393	-	11	-	-	-	-	-	-	-	*1	-	н
10394	-,	11	-		-	-	-	-	-	11	-	н
10395	-\	11	-	-		-	-	-	-	11	-	11
10396	-	11	-	-	-	-	-	-	-	17	-	11
10397	-	11	-	-	-	-	-	-	-		-	"
10398	-	11	-	-	-	-	-	-	-	11	-	**
10399	-	н	-	-	-	-	-	-	-	11	-	Blurred Image
				END OF	MAGAZINE							
			i									
			- /									

#### 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  $30^{\circ}E$  to  $9.5^{\circ}E$  on the track of the Descartes (Apollo 16) landing site. Camera malfunctions occurred, however, after the 207th frame. At this point,  $17.4^{\circ}E$  and  $9.3^{\circ}S$ , photography ceased to be usable. The resulting stereo strip, from  $28.1^{\circ}E$  to  $17.4^{\circ}E$ , 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

## Magazine <u>W</u> AS14-<u>80 LTC</u> Film <u>3400, BW</u>

Sheet 1 of 3 Sheets

Time Reference GET

GMT

Frame	Rev.	Camera	Approx.	Pri . P	ncipol oint	Apj Tilt	Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0/L	Angle	Quality	Area	Description
						Ver-						1st Frame of Low Orbit Boot
10436	4	18"	1:41,280	11.3°S	28.1°E	tical	٥	60%	45°	Good	78	Strap, (Vertical strip of
												Descartes NE Rim of Theophilus Approx. Recognition Limits 2.1m
10440	н	11	**	11.3°Ś	27.8°E	17	н	,,	11	FF		. 11
10445	"	ŧŦ	11	11.2°S	27.5°E	- 11	11	"	Ħ	71	FT	11
10450	"	11	1:48,000	11	27.3°E	17	11	11			79	NE Floor of Theophilus Approx. Recognition Limits 2.5m
10455		17	71	11.1°S	27.0°E	н	н	H	44°	11	11	17
10460	11	н	17	Ð	26.8°E	#	н	11	F#	TT	7.9	11
10465		11	11	11.0°S	26.5°E	11	71	н	11	Ħ	и	N Central Floor of Theophilus Approx. Recognition Limits 2.5m
10470	н	11	11	1	26.2°E	11	11	11	11	17	17	11
10475	11		11	10.9°S	26.0°E	11		11	43°		H	Northwest Floor of Theophilus
10480			"	11	25.7°E	н	н	11	**	17	11	11
10485	.,	**	11	10.8°S	25.5°E	11	н	н	u.	11	ti	"
10490	17	11	17	10.7°S	25.2°E	11		11	*1	11	T T	Northwest Floor of Theophilus Rim of Theophilus B
10495	n,	FI	1:41,470	н	24.9°E	11	11	н	42°	Ħ	н	Northwest Rim of Theophilus Approx. Recogn, Limits 2.1m
10500	"	11	.,	10.6°S	24.7°E	**			"	17	11	11

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Magazine W AS14 - LTC Film 3400, BW

Sheet 2 of 3 Sheets

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Time Reference GET

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GMT

Frame	Frame Rev. Camera		Approx.	Pri P	ncipal oint	Ap Tilt	prox. Data	Fwd	Approx.	Photo	Photo	
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	] 0/L	Sun Angle	Quality	Area	Description
10505	4	18''	1:41,470	10.6°5	24.4°E	Ver- tical	0	60%	42°	Good	78	Northeast of Cyrillus M Approx. Recog. Limits 2.1 m
10510		11	11		24.2°E			11		"	11	North of Cyrillus M Approx. Recog. Limits 2.1 m
10515	11	17	- 87	10.5°S	23.9°E	н		11	41°	11	п	Northwest of Cyrillus M Approx. Recog. Limits 2.1 m
10520	11	17	н	"	23.6°E		"			17	71	No Named Features, Ridge with Crater
10525	11	11	11	10.4°S	23.4°E		11		**	.,	**	No Named Features
10530	11		"	17	23.1°S		11	н	40°	11	11	н
10535	"	**	11	10.3°S	22.9°E	11	11	,,	11	11	н	No Named Features 2-km Crater
10540	TT		н	71	22.7°E	11		,,	11	17	н	No Named Features
10545	н	,,		10.2°S	22.4°E	.,	11	н	11	ŦŦ	11	n
10550	11	11	IT	IT	22.2°E	11	н	11	FF.	н	11	"
10555	=	11	1:37,000	10.1°S	21.9°E	11		"	10 39°	553-105 Blurred	55 ''	No Named Features Approx. Recog. Limits 1.9 m
10560	н		**	11	21.7°E	11	11	2 11	**	"	11	"
10565		11		10.0°S	21.4°E	11		н	17	17	11	No Named Features 4-5 km Crater
10567		Blank H	rames 10567-	10581								
10582	4	18''	1:37,000	9.9°S	20.5°E	Ver- tical	0	60%	38°	Good	78	North Rim of Kant M

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Magazine W\_\_\_\_\_AS14-\_<u>LTC</u>Film 3400, BW

Sheet 3 of 3 Sheets

Time Reference GET GMT

Frame	Rev.	Camera	Approx.	Pri	ncipal oint	App Tilt	orox. Data	Fwd	Approx.	Photo	Photo	Description
No.	No.	f Length	Photo Scale	Lat.	Long.	Angle	Azimuth	0,/L	Angle	Quality	Areo	Description
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	"	11	11	11	20.2°E	н	н	17	"	,,	<u> </u>	No Named Features
10595		11		9.7°S	19.9°E	,,	. 11	tr	37°	11	11	Northeast of Kant N
10600	н	"	п		19.7°E	TT	11	н	11	11	11	North Rim of Kant N
10605	,,	**		9.6°S	19.5°E	и	н	11	H	11	н	Lower Limits of Kant G in Area of DE-2
10610	"	**	11	tt	19.2°E	"	11	**	11	11	11	11
10615	17	н	11	17	18.9°E	11	"	11	<b>3</b> 6°	н	**	Between Kant G and Kant B
10620	н	"	н	9.5°S	18.7°E	11	н	"	11	,,	**	Northeast Rim of Kant B
10625	,,	11	,,	.,	18.5°E	,,	11	11	,1	,,	ŧT	Northwest Rim of Kant B
10630	,,	17	17	57	18.2°E	"	"	11	11	11	11	West of Kant B
10635	17	н	11	9.4°S	17.9°E	11	11	11	35°		н	11
10640	н	н	н	11	17.7°	н	н	**	н	,,	73	
10642	11	11	н	9.3°S	17.5°E		н	11	<b>11</b> 1	11	11	Last Frame Plottable on 18" Stereo Strip
			REMAINDER	DF MAG. W	NOT PLOTT	ABLE						

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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

# 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

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Magazine: G Film: 16mm, Color

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

#### Magazine: H Film: 16mm, Color

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

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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

## Magazine: X Film: 16mm, Color

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

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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
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#### 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

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## 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

Magazine: B Film: Iomm, Cold	lm: 16mm, Col	1: 16mm	Fil	: В	gazine	M
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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	4°S, 13°W	LDMK Track (14-K)	Fair Quality
(Rev. 12) 691-840	4°S, 16°W	LDMK Track (14-1)	Circularize Good Quality
(Rev. 13) 841-1018 (Rev. 15)	4°S, 132°E	LDMK Track (RP-3)	Good Quality
1019-1162	11°S, 99°E	LDMK Track (RP-5)	Good Quality
(Rev. 15) 1163-1422	12°S, 33°E	LDMK Track (Daguerre)	Good Quality
(Rev. 15) 1423-1615	4°S, 16°W	LDMK Track (14-1)	Good Quality
1616-1779	0.5°S, 141°E	LDMK Track (RP-2)	Good Quality
(Rev. 18) 1780-1968	5.5°S, 112°E	LDMK Track (12-1)	Fair Quality
(Rev. 18) 1969-2161	11°S, 15.5°E	LDMK Track (Dollond E)	Good Quality
(Rev. 18) 2162-2219	3°S, 16°W	Fra Mauro H, Fra Mauro-1	Good Quality
(Rev. 18) 2220-2359 (Rev. 29)	6°S, 120°E	LDMK Track (RP-4)	CSM Plane Change Good Quality
(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

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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 $\omega$ (Omega), Turner M, Turner L, Turner (Tau), Turner K, Fra Mauro Z, Fra Mauro K, Fra Mauro J, Fra Mauro T, Fra Mauro $\nu$ (Nu), Lansberg $\sigma$ (Sigma), Lansberg $\beta$ (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

# 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 v (Nu)	Good Quality

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Magazine: CC Film: 16mm, Color

LOCATION	DESCRIPTION	REMARKS
3.5°S, 17.5°W	Photography of LM, Mitchell Disembarking, Flag Placement and Setting Up ALSEP	Poor to Good Detail
	· .	
	LOCATION 3.5°S, 17.5°W	LOCATION DESCRIPTION 3.5°S, 17.5°W Photography of LM, Mitchell Disembarking, Flag Placement and Setting Up ALSEP

#### Magazine: EE Film: 16mm, Color

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

b

(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



PHOTO INDEX AREA LOCATION DIAGRAM

# NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

