

APOLLO 8

70 mm PHOTO INDICES

Prepared by

**National Aeronautics and Space Administration
Manned Spacecraft Center
Mapping Sciences Laboratory
Houston, Texas 77058**



APOLLO 8
Magazine A Film SO--368

FRAME	LAT.	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
AS8-16-2581			High Alt Earth	Near Vert.		E. Coast, Fla., Cuba, Bahamas 80mm lens TL
2582						S IV B 80mm lens TL
2583						" 80mm lens TL
2584						" 80mm lens TL
2585						" 80mm lens TL
2586						" 80mm lens TL
2587			High Alt Earth			Africa, South America 80mm lens TL
2588			"			" " 80mm lens TL
2589			"			" " 80mm lens TL
2590			"			" " 80mm lens TL
2591						S IV B 80mm lens TL
2592						" 80mm lens TL
2593			High Alt Earth			Earth 80mm lens TL
2594			"			" 80mm lens TL
2595			"			" 80mm lens TL
2596			Earth			" 80mm lens TL
2597			"			" 80mm lens TL
2598			"			" 80mm lens TL
2599			"			" 80mm lens TL
2600			"			" 80mm lens TL
2601			"			" 80mm lens TL
2602			"			" 80mm lens TL
2603			"			" 80mm lens TL
2604			"			" 80mm lens TL
2605			"			" 80mm lens TL
2606			"			" 80mm lens TL

MSC Form 1193 (Apr 69) (OT)

APOLLO 8
 Magazine A Film SO-368

FRAME	LAT	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-16-2607			Earth			Earth 80mm lens TL
2608			"			" 250mm lens TL
2609			"			" 250mm lens TL
2610			"			Blank Dark 250mm lens TL
2611	6°S	61°E	Oblique	SW	25	Langrenus Dark 250mm lens TL
2612	"	"	"	"	25	" 250mm lens TL
2613	9°S	"	"	S	32	" T/O 68 250mm lens TL
2614	"	"	"	"	33	" " 250mm lens TL
2615	"	"	"	"	34	" " 250mm lens TL
2616	"	"	"	"	31	" " 250mm lens TL
2617						Dark 250mm lens TL
2618						Dark 250mm lens TL
2619 thru 2658						Earth 250mm lens TL

MSC Form 1193 (Apr 69) (OT)

APOLLO 8
Magazine B Film SO-368

FRAME	LAT.	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
AS8-14-2383			High Oblique	West	Near SSP	Earth above hor. 250mm lens
2384			"	"	"	250mm lens
2385			"	"		80mm lens
2386			"	"		80mm lens
2387			"	"		80mm lens
2388			"	"		80mm lens
2389	13° S	105° E	"	W S W	70	NE of Humbolt 80mm lens
2390	"	"	"	"	70	" 80mm lens
2391	"	"	"	"	70	" 80mm lens
2392	"	"	"	"	70	" 80mm lens
2393	"	"	"	"	70	" 80mm lens
2394	"	"	"	"	70	" 80mm lens
2395	"	"	"	"	70	" 80mm lens
2396	"	"	"	"	70	" 80mm lens
2397	03° S	154° W	Vert.	Vert.	06	Near Term. Farside 250mm lens
2398	"	"	"	"	06	" " 250mm lens
2399	"	155° W	"	"	06	" " 250mm lens
2400	"	155.5° W	"	"	07	" " 250mm lens
2401	"	156° W	"	"	07	" " 250mm lens
2402	03° S	157° W	"	"	07	" " 250mm lens
2403	05° S	157° W	Near Vert.	Near Vert.	00	Dark 250mm lens
2404	"	157.5° W	"	"	00	" " 250mm lens
2405	"	159.5° W	"	"	10	" " 250mm lens
2406	06° S	160° W	"	"	10	" " 250mm lens
2407	"	"	"	"	10	" " 250mm lens
2408	05° S	161.5° W	"	"	11	" " 250mm lens

Stereo

Excellent Contrast,
Stereo

Stereo

APOLLO 8
Magazine B Film SO-368

FRAME	LAT	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-14-2409	04 °S	162 °W	Near Vert.	Near Vert.	12	Near Term. Farside 250mm lens
2410	06.5 °S	163 °W	"	"	12	" " 250mm lens
2411	"	"	"	"	12	" " 250mm lens
2412	07.5 °S	165 °W	Oblique	"	15	T/O 12 " 250mm lens
2413	06.5 °S	165 °W	Near Vert.	Near Vert.	15	" " 250mm lens
2414	07.5 °S	166 °W	"	"	15	" " 250mm lens
2415	07 °S	167 °W	"	"	17	" " 250mm lens
2416	07.5 °S	171 °W	"	"	21	" 250mm lens
2417	08.5 °S	171.5 °W	Oblique	S W	21	Farside 250mm lens
2418	08 °S	170.5 °W	Near Vert.	Near Vert.	21	" 250mm lens
2419	08 °S	175 °W	"	"	25	" 250mm lens
2420	10 °S	175 °W	"	"	25	" 250mm lens
2421	10 °S	"	"	"	25	" 250mm lens
2422	09 °S	177.5 °W	"	"	27	" 250mm lens
2423	08.5 °S	180 °W	"	"	31	" 250mm lens
2424	09 °S	178 °E	"	"	33	" 250mm lens
2425	09 °S	177 °E	"	"	34	" 250mm lens
2426	10 °S	174 °E	"	"	36	" 250mm lens
2427	10 °S	174 °E	"	"	37	" 250mm lens
2428	10 °S	172.5 °E	"	"	38	" 250mm lens
2429	10.5 °S	169 °E	"	"	42	" 250mm lens
2430	10 °S	166 °E	"	"	44	" 250mm lens
2431	10 °S	164 °E	"	"	47	" 250mm lens
2432	11 °S	165 °E	"	"	45	" 250mm lens
2433	10 °S	161.5 °E	"	"	48	" 250mm lens
2434	10 °S	161 °E	"	"	50	" 250mm lens

MSC Form 1193 (Apr 69) (OT)

Stereo

Stereo

APOLLO 8
Magazine B Film SO-368

FRAME	LAT	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-14-2435	11°S	157°E	Near Vert.	Near Vert.	48	Farside 250mm lens
2436	12°S	152.5°E	"	"	49	" 250mm lens
2437	12°S	152°E	"	"	53	" 250mm lens
2438	12°S	150°E	Oblique	W N W	53	" 250mm lens
2439	12°S	150°E	"	"	54	" 250mm lens
2440	13°S	143°E	"	"	71	" 250mm lens
2441	12.5°S	140°E	"	"	68	" 250mm lens
2442	"	137.5°E	"	West	69	" 250mm lens
2443	13°S	132°E	"	"	70	" 250mm lens
2444	"	127°E	"	N E	71	" 250mm lens
2445	"	"	"	S W	76	" 250mm lens
2446	"	"	"	"	75	" T/O 49 250mm lens
2447	21°S	128°E	High Oblique	South	63	Tsiolkovsky T/O 47 250mm lens
2448	"	"	"	"	63	" " 250mm lens
2449	"	"	"	"	69	" T/O 40 250mm lens
2450	"	"	"	"	69	" " 250mm lens
2451	"	"	"	"	69	Farside " 250mm lens
2452	11°S	113°E	"	West	77	" 250mm lens
2453	12.5°S	"	"	"	77	" 250mm lens
2454	16°S	112°E	"	W S W	70	" 250mm lens
2455			Very High Oblique	S S W		T/O 52 250mm lens
2456			"	"		" 250mm lens
2457			"	"		" 250mm lens
2458			"	"		" 250mm lens
2459			"	"		" 250mm lens
2460			"	"		" 250mm lens

MSC Form 1193 (Apr 69) (OT)

Stereo

Stereo

Stereo

APOLLO 8
Magazine B Film SO-368

FRAME	LAT.	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
AS8-14-2461			Very High Oblique	S S W		T/O 52 250mm lens
2462			"	"		250mm lens
2463			High Alt. Moon		40	Humboldt Moon Blue Filter 250mm lens TE
2464			"			Moon Red Filter 250mm lens TE
2465			"			" Blue Filter 250mm lens TE
2466			"			" Red Filter 250mm lens TE
2467			"			" Blue Filter 250mm lens TE
2468			"			" Red Filter 250mm lens TE
2469			"			" Red Filter 250mm lens TE
2470			"			" Blue Filter 250mm lens TE
2471			"			" Blue Filter 250mm lens TE
2472			"			" Red Filter 250mm lens TE
2473			"		15	Mare Fecunditatis Mare Nectaris Moon 250mm lens TE
2474			"			Mare Crisium Moon 250mm lens TE
2475			"			Moon Red Filter 250mm lens TE
2476			"			" Blue Filter 250mm lens TE
2477			"			" Blue Filter 250mm lens TE
2478			"			" Red Filter 250mm lens TE
2479			"			" Red Filter 250mm lens TE
2480			"			" Blue Filter 250mm lens TE
2481			"			" Blue Filter 250mm lens TE
2482			"			Red Filter 250mm lens TE
2483			"			Overexposed 250mm lens TE
2484			"		30	Mare Smythii Mare Crisium 250mm lens TE
2485			"			Mare Fecunditatis 250mm lens TE
2486			"			Red Filter 250mm lens TE

MSC Form 1193 (Apr 69) (OT)

Stereo

Stereo
Some Scale
Change

APOLLO 8
Magazine B Film SO-368

FRAME	LAT.	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
AS8-14-2487			High Alt. Moon			Blue Filter 250mm lens TE
2488			"		30	Mare Crisium Mare Fecunditatus 250mm lens TE
2489			"			Mare Smythii 250mm lens TE
2490			"			" 250mm lens TE
2491			"			" 250mm lens TE
2492			"			Blue Filter 250mm lens TE
2493			"			Blue Filter 250mm lens TE
2494			"			Blue Filter 250mm lens TE
2495			"			Blue Filter 250mm lens TE
2496			"			Blue Filter 250mm lens TE
2497			"			Blue Filter 250mm lens TE
2498			"			Red Filter 250mm lens TE
2499			"			Red Filter 250mm lens TE
2500			"			Red Filter 250mm lens TE
2501			"			Red Filter 250mm lens TE
2502			"			Red Filter 250mm lens TE
2503			"			Red Filter 250mm lens TE
2504			"			Blue Filter 250mm lens TE
2505			"			250mm lens TE
2506			"			250mm lens TE
2507			Transearth			Earth 250mm lens TE
2508			"			" 250mm lens TE
2509			"			" 250mm lens TE
2510			"			" 250mm lens TE
2511			"			" 250mm lens TE
2512			"			" 250mm lens TE

Stereo

MSC Form 1193 (Apr 69) (OT)

APOLLO 8
Magazine B Film SO-368

FRAME	LAT	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
AS8-14-2513			Transearch			Earth 250mm lens TE
2514			"			" 250mm lens TE
2515			"			" 250mm lens TE
2516			"			" 250mm lens TE
2517			"			" 250mm lens TE
2518			"			" 250mm lens TE
2519			"			" 250mm lens TE
2520			"			" 250mm lens TE
2521			"			" 250mm lens TE
2522			"			" 250mm lens TE
2523			"			" 250mm lens TE
2524			"			" 250mm lens TE
2525			"			" 250mm lens TE
2526			"			" 250mm lens TE
2527			"			" 250mm lens TE
2528			"			" 250mm lens TE
2529			"			" 250mm lens TE
2530			"			" 250mm lens TE
2531			"			" 250mm lens TE
2532			"			" 250mm lens TE
2533			"			" 250mm lens TE
2534			"			" 250mm lens TE
<p>Note: Entire roll shot with 250mm lens except 2385 to 2396 which were shot with 80mm lens.</p>						

HSC Form 1193 (Apr 69) (OT)

APOLLO 8
 Magazine C Film 3400

Note: Entire roll shot with
 80mm lens. f/5.6

FRAME	LAT	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
AS8-17-2659	03°S	152°W		Convergent Stereo	00	Farside Rev. 8
2660					01	
2661					02	
2662					02	
2663					03	
2664	04°S	157°W			03	
2665					04	
2666					05	
2667					06	
2668					07	
2669	06°S	162°W			08	
2670					09	
2671					10	
2672					11	
2673					12	
2674					13	
2675	07°S	169°W			14	
2676					15	
2677					16	
2678					17	
2679					18	
2680	08°S	174°W			19	
2681					20	
2682					21	
2683					22	
2684					23	

MSC Form 1193 (Apr 69) (OT)

APOLLO 8

Magazine C Film 3400

Note: Entire roll shot with 80mm lens. f/5.6

FRAME	LAT.	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-17-2685	09°S	179°W	Convergent Stereo		24	Farside Rev. 8
2686					25	
2687					26	
2688					27	
2689					28	
2690	09°S	176°E			29	
2691					30	
2692					31	
2693					32	
2694	10°S	172°E			33	
2695					34	
2696					35	
2697					36	
2698					37	
2699					38	
2700	11°S	167°E			38	
2701					39	
2702					40	
2703					41	
2704					42	
2705	11°S	162°E			43	
2706					44	
2707					45	
2708					46	
2709					47	
2710	12°S	157°E			48	

MSC Form 1193 (Apr 69) (OT)

APOLLO 8

Magazine C Film 3400 Note: Entire roll shot with 80mm lens. f/5.6

FRAME	LAT.	LONG	MODE	DIREC-TION	SUN ANGLE	AREA & REMARKS
AS8-17-2711			Convergent Stereo		49	Farside Rev. 8
2712					50	
2713					51	
2714	12°S	152°E			52	
2715					53	
2716					54	
2717					55	
2718					56	
2719					57	
2720	12°S	147°E			57.5	
2721					58	
2722					59	
2723					60	
2724					61	
2725					62	
2726	12°S	140°E			63	
2727					64	
2728					65	
2729					66	
2730	12°S	136°E			68	T/O 30
2731					69	
2732					70	
2733					71	
2734					72	
2735	12°S	129°E			73	
2736					74	

MSC Form 1193 (Apr 69) (OT)

APOLLO 8

Magazine C Film 3400 Note: Entire roll shot with 80mm lens. f/5.6

FRAME	LAT	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-17-2737			Convergent Stereo		75	Farside Rev. 8
2738					76	
2739					77	End of Convergent Stereo
2740	12°S	122°E	Low Oblique	Forward-West	78	
2741					79	
2742	11°S	120°E		Forward-West	80	
2743					80	
2744	10°S	116°E		Forward-West	81	
2745					82	Sub-Solar Point
2746	10°S	115°E		Forward-West	81	
2747					81	
2748					81	
2749	10°S	112°E		Forward	80.5	
2750					80	
2751					79	
2752	09°S	109°E		Forward	79	
2753					78	
2754					78	
2755	09°S	106°E		Forward	77	
2756					77	
2757					76	
2758			High Oblique	Forward	76	
2759					75	
2760					75	
2761	08°S	102°E	Convergent Stereo	Forward	74	S E of Smythii Start Convergent Stereo
2762					74	

MSC Form 1193 (Apr 69) (OT)

APOLLO 8

Magazine C Film 3400 Note: Entire roll shot with 80mm lens. f/5.6

FRAME	LAT	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-17-2763					73	Convergent Stereo Rev. 8
2764					73	
2765	08° S	100° E		North Looking	72	S E of Smythii
2766					72	
2767					71	
2768					71	
2769					70	
2770					70	
2771					69	
2772	07° S	96° E		North	69	S E of Smythii
2773					69	
2774					68	
2775					68	
2776					67	
2777	10° S	95° E		Rear (East)	66	S E of Smythii
2778					65	
2779					64	
2780	11° S	91° E		Rear (East)	63.5	S E of Smythii
2781					60	
2782					58	
2783					57	
2784					55	
2785	09° S	80° E		Rear (East)	53	Kastner R
2786					52	
2787					51	
2788					50	

MSC Form 1193 (Apr 69) (01)

APOLLO 8

Magazine C Film 3400

Note: Entire roll shot with 80mm lens. f/5.6

FRAME	LAT	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8--17--2789	08° S	76° E		Rear (East)	49	Kastner Rev. 8
2790					48	
2791					47	
2792					46	
2793					45	
2794			Low Oblique	Forward		
2795	05° S	67° E	Low Oblique	Forward		Maclaurin M
2796						
2797	02° S	58° E	High Oblique	Forward	32	Langrenus K
2798						
2799						
2800						
2801	01° N	51° E	High Oblique	Forward	25	Webb High Horizon
2802						
2803						
2804						
2805			High Oblique	Forward	29	Taruntius K Sun angle picked T/O 80 at bottom of frame.
2806						T/O 80
2807						"
2808						"
2809						"
2810			High Oblique	Forward	23	Taruntius "
2811						"
2812					21	Secchi "
2813						"
2814						"

End Convergent Stereo

MSC Form 1193 (Apr 69) (OT)

APOLLO 8

Magazine C Film 3400

Note: Entire roll shot with 80mm lens. f/5.6

FRAME	LAT.	LONG.	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-17-2815			High Oblique	Forward	17	Secchi T/O 80 Rev. 8
2816						T/O 80
2817						T/O 80
2818					15	Taruntius F T/O 80
2819						
2820			High Oblique	Forward	10	Maskelyne F T/O 80
2821						T/O 80
2822						T/O 80
2823						T/O 80
2824			High Oblique	Forward	05.5	Maskelyne M T/O 80
2825						T/O 80
2826			High Oblique	Forward	02	Sea of Tranquility Horizon only T/O 80 Rev. 8
2827	4° S	161° W	Low Oblique		05.5	America Farside Start of T/O 11 Rev. 9

MSC Form 1193 (Apr 68) (OT)

APOLLO 8

Magazine D Film 3400

FRAME	LAT.	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
AS8-12-2044	04 °S	148 °W	Vert. Stereo		0	Farside Used 80mm lens on vert stereo pass f/2.8 Rev. 4
2045					0	
2046	04 °S	150 °W			0	
2047					1	
2048					2	
2049					4	
2050					5	
2051					6	
2052	05 °S	157 °W			7	
2053					8	
2054					9	
2055					10	
2056					11	
2057					12	
2058					13	
2059					14	Exposure change f/4
2060					14	
2061					15	
2062	06 °S	167 °W			16	
2063					17	Extra Frame
2064					18	
2065					19	
2066					20	
2067					21	
2068					22	
2069	08 °S	173 °W			23	Farside

Farside

Farside

MSC Form 1193 (Apr 69) (OT)

APOLLO 8
Magazine D Film 3400

FRAME	LAT.	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
AS8-12-2070			Vert. Stereo		24	Farside Used 80mm lens on vert stereo pass. f/4 Rev.4
2071					25	
2072					26	
2073					27	
2074					28	
2075					29	
2076	09° S	180° W			29	Exposure Change f/5.6
2077					30	
2078					31	
2079					32	
2080					33	
2081					34	
2082					35	
2083					35	
2084					36	
2085					37	
2086					38	
2087					39	
2088	11° S	168° E			40	
2089					41	
2090					42	Exposure Change f/8
2091					43	
2092					44	
2093					45	
2094					46	Extra Frame
2095					47	

Farside

Farside

MSC Form 1193 (Apr 69) (OT)

APOLLO 8

Magazine D Film 3400

FRAME	LAT	LONG	MODE	DIREC-TION	SUN ANGLE	AREA & REMARKS
AS8-12-2096			Vert. Stereo		48	Farside Used 80mm lens on vert stereo pass. f/8 Rev. 4
2097					49	
2098					50	
2099					51	
2100	12° S	157° W			51.5	
2101					52	
2102					53	
2103					54	
2104					55	
2105					56	
2106					57	
2107					58	
2108					59	
2109					60	
2110					61	Extra Frame
2111	13° S	174° E			61	
2112					62	
2113					63	
2114					64	
2115					65	
2116					66	
2117	14° S	140° E			66.5	
2118					67	
2119					68	
2120					69	
2121					70	Farside

Farside

Farside

MSC Form 1193 (Apr 69) (OT)

APOLLO 8
Magazine D Film 3400

FRAME	LAT.	LONG	MODE	DIREC-TION	SUN ANGLE	AREA & REMARKS
AS8-12-2122	13° S	134° E	Vert. Stereo		71.5	Farside Used 80mm lens on vert stereo pass. f/8 Rev. 4
2123					72	
2124					73	Exposure Change f/11
2125					74	
2126					75	
2127					76	
2128					76	
2129	12° S	127° E			77	
2130					77	
2131					78	
2132					78	
2133					79	
2134					79	
2135					80	
2136	12° S	120° E			80	
2137					80	
2138					79	
2139					79	
2140					78	
2141	12° S	113° E			78	
2142					77	
2143					77	
2144					76	
2145					76	
2146	11° S	108° E			75	
2147					75	Farside

Farside

Farside

MSC Form 1193 (Apr 69) (OT)

APOLLO 8
Magazine D Film 3400

FRAME	LAT.	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
ASB-12-2148			Vert. Stereo		74	Farside Used 80mm lens on vert stereo pass. f/11 Rev. 4
2149					74	
2150					73	Exposure Change f/8
2151					73	
2152					72	
2153					72	
2154					71	
2155	10° S	101° E			70	S E Smythii
2156					69	Extra Frame
2157					69	
2158					68	
2159					67	
2160					66	
2161					65	
2162					64	
2163	09° S	95° E			63.5	S S E Smythii
2164					63	
2165					62	
2166					61	
2167					60	
2168					59	
2169					58	
2170					58	Extra Frame
2171					57	
2172	09° S	85° E			56	S Smythii
2173					54	

Farside

MSC Form 1193 (Apr 69) (OT)

APOLLO 8
Magazine D Film 3400

FRAME	LAT	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-12-2174			Vert. Stereo		53	Farside Used 80mm lens on vert stereo pass. f/8 Rev. 4
2175					52	
2176					50	
2177					49	Extra Frame
2178	08° S	79° E			48	Kastner Exposure Change f/11
2179					46.5	Kastner End of vertical stereo pass
2180	08° S	76° E	Low Oblique	Forward Looking West	45	Kastner
2181	07° S	73° E	"	"	42.5	East of Kastner T/O 65
2182	07° S	71° E	High Oblique Horizon	Forward West	41	T/O 65 80mm lens
2183	07° S	69° E	"	"	38	West of Langrenus
2184	08° S	67° E	"	"	37	West of Langrenus T/O 68
2185						Earth
2186						Earth
2187	40° S	110° E			47	South of Tsiolkovskiy Rev. 10 TEI
2188						Earth and Lunar horizon TEI
2189	26° S	72° E	High Oblique Horizon	South	35	Humboldt T/O 58 T/O 63 TEI
2190	20° S	79° E	"	"	35	Humboldt T/O 58 TEI
2191			Blank			Overexposed TEI
2192	40° S	100° E	High Oblique	South	43	Mare Australe Remainder of mag 250mm lens TEI
2193	27° S	90° E	Low Oblique	"	50	Humboldt T/O 58 T/O 63 TEI
2194	33° S	100° E		"	51	Mare Australe TEI
2195	26° S	107° E		"	61	East of Mare Australe T/O 54 TEI
2196	21° S	130° E	High Oblique Horizon	East	68	Tsiolkovsky TEI
2197	08° S	127° E	"	"	80	North of Tsiolkovsky T/O 28, 29, 31, 32, 33, 35, 36, 37, 41, 44 TEI
2198	08° S	126° E	"	"	82	North of Tsiolkovsky T/O 32, 33, 35, 36, 37, 41, 44 TEI
2199	11° S	127° E	Low Oblique	"	82.5	North of Tsiolkovsky T/O 44, 45 TEI

MSC Form 1193 (Apr 69) (OT)

APOLLO 8

Magazine D Film 3400

FRAME	LAT	LONG	MODE	DIREC-TION	SUN ANGLE	AREA & REMARKS
AS8--12--2200	11 ° S	108 ° E	Low Oblique	East	74	Farside T/O 45 f/11 Rev. 10 TEI
2201	10 ° S	100 ° E	Near Vert.		68	East of Smythii T/O 58 TEI
2202	05 ° S	90 ° E	"		60	Smythii TEI
2203	09 ° S	68 ° E	"		37	Langrenus T/O 65 T/O 59, 68 TEI
2204	03 ° S	73 ° E	"	North	43	Gilbert T/O 59, 67 TEI
2205	03 ° N	73 ° E	"	"	43	Gilbert T/O 59, 67 TEI
2206	07 ° N	74 ° E	"	"	43	Sea of Waves T/O 66, 59, 67 TEI
2207	07 ° N	82 ° E	"	Northwest	52	Neper T/O 59 TEI
2208	09 ° N	86 ° E	"	"	54	Neper Goddard TEI
2209	24 ° N	100 ° E	High Oblique Horizon	North	56	Joliot Curie Lomonosov TEI
2210	36 ° S	85 ° E	Low Oblique	South	40	Southern Sea Abel TEI
2211	35 ° S	90 ° E	"	"	42	Mare Australe TEI
2212	37 ° S	101 ° E	"	"	47	Mare Australe T/O 52 TEI
2213	35 ° S	110 ° E	High Oblique Horizon	Southeast	53	Mare Australe T/O 52, 54 TEI
2214	36 ° S	116 ° E	"	"	53	Mare Australe T/O 38, 49, 52 TEI

MSC Form 1193 (Apr 68) (OT)

APOLLO 8

Magazine E Film 3400

FRAME	LAT	LONG	MODE	DIREC-TION	SUN ANGLE	AREA & REMARKS
AS8-13-2215	10.3° S	55.5° E	Low Oblique	South	23	Colombo T/O 72 f/5.6
2216	10.3° S	55.4° E	"	"	22	" "
2217	10° S	53.8° E	"	"	21	" "
2218	11.5° S	51.5° E	"	"	19	" "
2219	11.8° S	50.8° E	"	"	19	" "
2220	11.9° S	49.5° E	"	"	18	" "
2221	12.5° S	48° E	"	"	17	" "
2222	11.5° S	47.5° E	"	"	15	" "
2223	11.9° S	46.5° E	"	"	14	" "
2224	11.3° S	45° E	"	"	13	" "
2225	10.8° S	44.8° E	"	"	12	" "
2226	10.8° S	42.3° E	"	"	11	" "
2227	12.5° S	42.5° E	"	"	10	" "
2228	06° S	38.5° E	"	"	07	Pyrenees Mts. Terminator shot including T/O 90.
2229	05.5° S	37° E	"	"	06	Pyrenees Mts.
2230	05.5° S	36.5° E	"	"	06	"
2231	06° S	35.5° E	"	"	04	"
2232	P P in darkness		Low Oblique	South	03	"
2233	"	"	"	"	03	"
2234	"	"	"	"	02	"
2235	"	"	"	"	02	"
2236	"	"	"	"	02	"
2237	"	"	"	"	02	"
2238	"	"	"	"	02	"
2239	"	"	"	"	02	"
2240	"	"	"	"	02	"

MSC Form 1193 (Apr 69) (OT)

APOLLO 8
Magazine E Film 3400

FRAME	LAT.	LONG	MODE	DIREC-TION	SUN ANGLE	AREA & REMARKS
AS8--13--2441	PP in darkness		Low Oblique	South	02	Pyrenees Mts.
2242	"	"	"	"	02	"
2243	15° S	35° E	High Oblique	"	03	Fracastorius
2244	12° S	162° W	Low Oblique	"	10	T/O 12
2245	11° S	164.5° W	"	"	15	"
2246	15° S	165° W	High Oblique	"	12	"
2247	14° S	167° W	"	"	15	"
2248	18° S	130° E	Low Oblique	"	70	Tsiolkovsky T/O 40 f/8
2249	17.5° S	127° E	"	"	72	" T/O 36 (?)
2250	17° S	126.5° E	"	"	73	" "
2251	17° S	125° E	"	"	74	"
2252	20° S	129° E	High Oblique	"	71	" T/O 40
2253	20° S	126.5° E	"	"	70	" "
2254	21° S	126.5° E	"	"	70	" "
2255	20° S	124.5° E	"	"	70	" "
2256	20° S	116.5° E	Low Oblique	"	72	West of Tsiolkovsky T/O 49
2257	0.5° N	35.5° E	Near Vert.	"	05	West of western edge of Mare Fecunditatis Terminator Shot
2258	0.5° N	35.3° E	"	"	04	West of western edge of Mare Fecunditatis
2259	0.5° N	39.8° E	"	"	03	West of western edge of Mare Fecunditatis
2260	0.5° N	34° E	"	"	02	West of western edge of Mare Fecunditatis
2261	0.5° N	33.5° E	"	"	01	West of western edge of Mare Fecunditatis
2262	15° S	93° E	Low Oblique	"	63	Northeast of Humboldt T/O 58
2263	14° S	90.5° E	"	"	62	Northeast of Humboldt T/O 58
2264	18° S	93° E	High Oblique	"	62	Northeast of Humboldt T/O 58
2265	18° S	91.5° E	"	"	60	Northeast of Humboldt T/O 58
2266	13.5° S	79.5° E	Low Oblique	"	47	f/8

MSC Form 1193 (Apr 69) (OT)

f 5.6

APOLLO 8

Magazine E Film 3400

FRAME	LAT.	LONG	MODE	DIREC-TION	SUN ANGLE	AREA & REMARKS	
AS8-13-2267	13.5° S	78.5° E	Low Oblique	South	46		
2268	14.5° S	78° E	"	"	45	T/O 63	
2269	18° S	79° E	High Oblique	"	45	T/O 63	
2270	11° S	71° E	Low Oblique	"	39	T/O 65	
2271	Principal Line runs from 42° E; 30.3° N to 33.5° E; 04.5° N		High Oblique	West	08	Mare Tranquillitatis Training Sequence f/5.6	
2272		"	"	"		Mare Tranquillitatis	
2273		"	"	"	"	"	
2274		"	"	"	"	05	"
2275		"	"	"	"		"
2276		"	"	"	"		"
2277		"	"	"	"		"
2278		"	"	"	"		"
2279		"	"	"	"		"
2280		"	"	"	"	02	"
2281		"	"	"	"	02	"
2282		"	"	Low Oblique	"		"
2283		"	"	"	"		"
2284		"	"	"	"		"
2285		"	"	"	"		"
2286		"	"	"	"		"
2287		"	"	"	"		"
2288	"	"	"	"		"	
2289	"	"	"	"		"	
2290	"	"	"	Northwest		"	
2291	"	"	"	"		"	
2292	"	"	"	"		"	

MSC Form 1193 (Apr 68) (OT)

Training Sequence

Training Sequence

APOLLO 8
Magazine E Film 3400

FRAME	LAT	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-13-2293			Low Oblique	Northwest		Mare Tranquillitatis f/5.6
2294			"	"		"
2295			"	"		"
2296			"	"		"
2297			"	"		"
2298			Near Vert.	"		"
2299			"	"		"
2300			"	Northeast	02	"
2301			"	"		"
2302			"	"		"
2303			Low Oblique	"		"
2304			"	"		"
2305			"	"		"
2306			"	"		"
2307			"	"		"
2308			"	"		"
2309			"	"		Mare Tranquillitatis
2310	06.5° S	150.5° W	"	South	01	Terminator shot (farside)
2311	07° S	150.5° W	"	"	02	
2312	08.5° S	150.5° W	"	"	02	
2313	10.5° S	149.5° W	"	"	01	Terminator shot (farside)
2314	12° S	150.5° W	"	"	01	
2315	13.5° S	151° W	"	"	01	
2316	09° S	153.5° W	"	"	04	
2317	07° S	159.5° W	"	"	10	
2318	04.5° S	165.5° W	"	"	17	T/O 12

MSC Form 1193 (Apr 69) (OT)

Training Sequence

Training Sequence

APOLLO 8

Magazine E Film 3400

FRAME	LAT.	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-13-2319	18°S	163.5°W	High Oblique	South	12	T/O 10 f/5.6
2320	15°S	170°W	"	S E	17	
2321	14.5°S	174.5°E	Low Oblique	S W	35	T/O 20
2322	15°S	172.5°E	"	S E	37	T/O 19
2323	"	172°E	"	"	38	"
2324	17°S	171°E	"	"	38	"
2325	17.5°S	168°E	"	"	41	T/O 23
2326	16°S	158°E	"	"	51	
2327	19°S	144°E	"	"	61	E. of Tsiolkovsky T/O 28 f/8
2328	17°S	140°E	"	"	57	E. of Tsiolkovsky T/O 31(?)
2329	PP in space		High Oblique	S W		Looking towards Gibbs Moon earth shot to horizon
2330	00°	107.4°E	"	North	76	E. of Smythii
2331	01.5°N	90°E	Low Oblique	"	59	T/O 59 (in part)
2332	02.5°N	87.5°E	"	"	57	
2333	Over exposed frame, insufficient detail to plot (High Oblique)					
2334	PP in darkness		Low Oblique	North	01	Northern part of Mare Tranquil- litatis Terminator nearside f/5.6
2335	11.5°N	31°E	"	"	01	"
2336	12°N	31°E	High Oblique	"	01	"
2337	15°N	31.5°E	"	"	01	"
2338	PP on horizon		"	"	01	"
2339	01°S	54°E	"	West	25	Sea of Tranquility
2340	.5°S	50°E	"	"	20	
2341	PP on horizon		"	"	17	
2342	.5°N	38°E	"	"	10	
2343	02°N	35°E	"	"	05	
2344	PP on horizon		"	N W	06	

MSC Form 1193 (Apr 69) (QT)

APOLLO 8
Magazine E Film 3400

FRAME	LAT.	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
AS8-13-2345	PP in space		High Oblique	N W	03	
2346	PP in space		"	"	01	Mare Tranquillitatis f/4
2347	PP in space		"	West	01	N W of Mare Tranquillitatis Terminator shot Nearside
2348	14.5° N	30° E	"	North	01	" f/2.8
2349	13° N	30.3° E	Low Oblique	"	01	"
2350	15° N	30° E	"	"	01	"
2351	PP on horizon		"	"	01	"
2352						Moon Shot 80mm lens TEI
2353						" " TEI
2354						" " TEI
2355						" " TEI
2356						" " TEI
2357						" " TEI
2358						" " TEI
2359						Moon shot 250mm lens TEI
2360						" " TEI
2361						" " TEI
2362						" " TEI
2363						" " TEI
2364						" " TEI
2365						" " TEI
2366						" " TEI
2367						" " TEI
2368						" " TEI
2369						Earth shot 250mm lens TEI
2370						" " TEI

MSC Form 1193 (Apr 69) (OT)

APOLLO 8

Magazine F Film SO 121

FRAME	LAT.	LONG	MODE	DIREC-TION	SUN ANGLE	AREA & REMARKS
AS8-15-2535						Earth 80mm lens T L
2536						" " T L
2537						" " T L
2538						T L
2539						Earth 80mm lens T L
2540						" " T L
2541						" " T L
2542						" " T L
2543						" " T L
2544						" " T L
2545						Moon 80mm lens T L
2546						" " T L
2547						" " T L
2548						" " T L
2549						Earth 80mm lens T L
2550						" " T L
2551						Earth 250mm lens T L
2552						" " T L
2553						" " T L
2554						" " T L
2555						" " T L
2556						" " T L
2557						" " T L
2558						" " T L
2559						" " T L
2560						" " T L

MSC Form 1193 (Apr 69) (DT)

APOLLO 8
Magazine G Film 2458

FRAME	LAT.	LONG	MODE	DIREC- TION	SUN ANGLE	AREA & REMARKS
AS8-18-2828	08° S	149° W	Near Vert.	South	0	Farside Terminator
2829	09° S	"	"	"	0	" "
2830	10° S	"	Low Oblique	"	0	" "
2831	11° S	"	"	"	0	" "
2832	15° S	148° W	"	"	0	" "
2833			High Oblique	"		" "
2834	16° S	158° W	"	"	08	"
2835	16° S	171° W	Low Oblique	"	20	"
2836	19° S	179° W	High Oblique	"	28	"
2837	16° S	175° E	Low Oblique	"	34	" T/O 20 (Partial)
2838	14° S	174° E	"	"	36	"
2839	20° S	174° E	High Oblique	"	34	"
2840	16° S	173° E	Low Oblique	"	36	" T/O 20 (Partial)
2841	15° S	172° E	"	"	37	" T/O 20 (Partial)
2842	17° S	167° E	"	"	42	" T/O 23
2843	21° S	157° E	"	"	48	"
2844	15° S	155° E	"	East	54	"
2845	06° S	85° E	Near Vert.		57	T/O 59
2846	08.5° S	81° E	"	South	48	
2847	11° S	78° E	"	"	47	
2848	14° S	76° E	"	"	44	Farside T/O 65
2849	16° S	75° E	"	"	42	T/O 58 T/O 62 (Partial)
2850			High Oblique	East		Mare Nectaris
2851	14° N	67° E	Low Oblique	North	35	Mare Crisium
2852	Not plotted		Same area as 2853			"
2853	10° N	72° E	"	North	47	"

MSC Form 1193 (Apr 69) (OT)

APOLLO 8
Magazine G Film 2458

FRAME	LAT	LONG	MODE	DIRECTION	SUN ANGLE	AREA & REMARKS
AS8-18-2854	03° S	110° E	High Oblique	East	03	East of Smythii
2855	Same area as 2854 "					
2856	26° N	58° E	High Oblique	North	20	Mare Crisium
2857	34° N	63° E	"	"	20	"
2858			"	East		Mare Fecunditatis
2859			"	East		Messier Messier A
2860	39° N	63° E	"	Northeast		Palus Somni
2861			"	"		Newcomb T/O 67 (Partial)
2862			"	"		Geminus
2863	03° N	66° E	Low Oblique	North	35	
2864	13° N	65° E	"	"	33	
2865	24° N	67° E	High Oblique	"	30	
2866	36° N	68° E	"	"	25	
2867			"	"		PP in space
2868	24° S	95° E	"	S W	55	Farside T/O 54
2869	16° S	92° E	Low Oblique	S W	58	Farside
2870	04° S	95° E	"	South	65	Mare Smythii T/O 56
2871	11° N	97° E	High Oblique	N W	65	Joliot Curie T/O 55
2872	34° N	113° E	"	"	50	Joliot Curie
2873	Blurred low obliques of eastern portion of Mare Crisium					
2874	Looking north, not plotted					
2875			High Oblique			
2876			"			
2877	Not plotted Mare Smythii Blurred					
2878	13° N	64° E	Low Oblique	North	33	Mare Crisium
2879	13° N	64° E	"	North	33	Mare Crisium

MSC Form 1193 (Apr 69) (OT)

APOLLO 8

Magazine G Film 2458

FRAME	LAT.	LONG	MODE	DIREC-TION	SUN ANGLE	AREA & REMARKS
AS8-18-2880	05° S	58° E	Near Vert.	South	28	Langrenus
2881	03° S	56° E	"	South	28	Langrenus T/O68
2882			High Oblique	North		Gauss
2883	Same area as 2882					
2884			High Oblique	N W	57	Joliot Curie
2885	22° N	94° E	"	North		
2886			"	North		Very high horizon photo
2887			"	Unable to locate		TE
2888						Entire moon TE
2889						" TE
2890						" TE
2891						" TE
2892						" TE
2893	22° N	94° E				" TE
2894						"
2895						"
2896						"
2897						"
2898						"
2899						"
2900						"
2901						"
2902						"
2903						
2904						
2905						

MSC Form 1193 (Apr 69) (OT)

