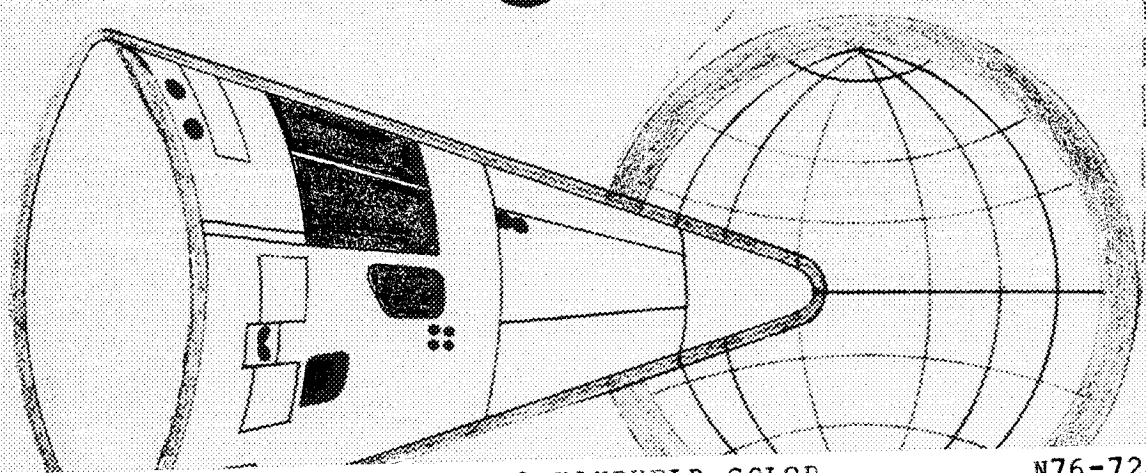
Technology Application Center

apollo 9 synoptic photography catalog

HANDHELD AND SO 65 EXPERIMENT



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(NASA-CR-146735) APOLLO 9 HANDHELD COLOR PHOTOGRAPHY CATALOG (New Mexico Univ.) 70 p

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A CENTER OF THE INSTITUTE FOR SOCIAL RESEARCH AND DEVELOPMENT

University of New Mexico • Albuquerque • New Mexico

TECHNOLOGY APPLICATION CENTER
UNIVERSITY OF NEW MEXICO
ALBUQUERQUE, NEW MEXICO 87106

APOLLO 9 HANDHELD

COLOR PHOTOGRAPHY CATALOG

MARCH 8-12 1969

Film: SO-368 Ektachrome

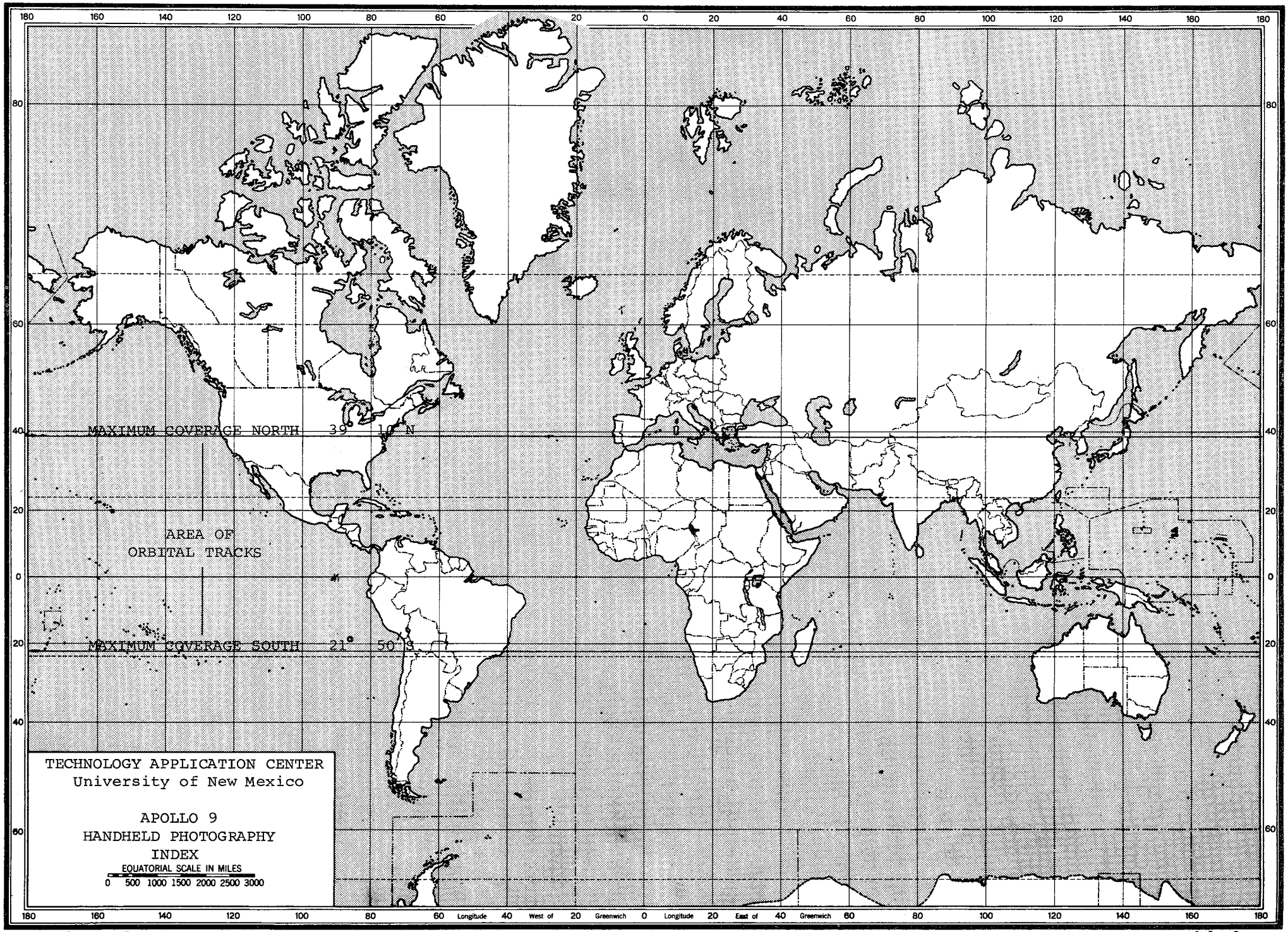
Filter: Haze

Film/Filter Transmittance Response
0.460 - 0.710 Micrometers.

Pages 1 through 6 contain an alphabetical cross reference to the handheld photography.

Edition 2, 5-70

September, 1969


MAXIMUM COVERAGE NORTH 39° 10' N
AREA OF
ORBITAL TRACKS
MAXIMUM COVERAGE SOUTH 21° 50' S
TECHNOLOGY APPLICATION CENTER
University of New Mexico
APOLLO 9
HANDHELD PHOTOGRAPHY
INDEX
EQUATORIAL SCALE IN MILES
0 500 1000 1500 2000 2500 3000
Longitude West of Greenwich
Longitude East of Greenwich

Technology Application Center, University of New Mexico
The Apollo 9 Handheld Photography Cross Reference
by Photo Frame Number

Geographical Areas

Aden:

AS9-3674

Algeria:

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AS9-3595-3600
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AS9-3069-3081
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Partial Frame:

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AS9-3618

Dark:

AS9-3033

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-2909-2928							LM Spacecraft - top view from Command Module
AS9-2929-2933							LM Spacecraft ascending from booster on docking rendezvous
AS9-2934-2940							View of Service Module LM Adapter from Command Module
AS9-2941-2944							LM Spacecraft and Service Module LM Adapter
AS9-2945-2947							Service Module LM Adapter (S.L.A.) over eastern Pacific
AS9-2948	32 55N	119 58W		106	25	Obl.	California, Santa Barbara, Los Angeles, San Diego, Santa Rosa, San Miguel and Santa Cruz Islands, Salton Sea, Santa Barbara Channel and S.L.A.
AS9-2949	32 57N	119 50W		106	17	Obl.	California, Santa Barbara, Los Angeles, San Diego, Santa Rosa, San Miguel and Santa Cruz Islands, Santa Barbara Channel, Salton Sea and S.L.A.
AS9-2950	33 13N	117 30W		105	13	Obl.	California, Los Angeles, Baja California, Gulf of California, Salton, Sea, Pinnacates Lava Field

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-2951	33 26N	115 15W		105	2	Obl.	California, Arizona, New Mexico, Wilcox and White Sands
AS9-2952-2954							LM Adapter section and booster
AS9-2955-2957							Point of light source from E.V.A. antenna
AS9-2958							LM antenna
AS9-2959							Out of focus - reflection
AS9-2960							View of LM and Gulf Coast
AS9-2961	30 09N	81 30W		103	18	Obl.	Florida, Georgia, St. Augustine, Jacksonville, Brunswick, Johns River - Dark
AS9-2962							LM antenna system
AS9-2963							Side of LM and antenna
AS9-2964-2965							Quad - attitude engines on LM
AS9-2966							Light reflection - out of focus
AS9-2967							View through passage way from Command Module
AS9-2968							View from Command Module
AS9-2969							View from Command Module near terminator

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-2970							LM antennas
AS9-2971							LM antennas and quad - engines
AS9-2972							LM quad - attitude engines
AS9-2973							LM dish antenna
AS9-2974							Out of focus - reflection off dish antenna
AS9-2975							Horizon
AS9-2976							E.V.A. of LM Pilot Schweikart
AS9-2977							LM antenna and LEG system
AS9-2978							Quad - attitude engines
AS9-2979-2980							LM spacecraft
AS9-2981-2985							E.V.A. activities of LM Pilot Schweikart
AS9-2986	30 10N	98 17W		102	1	Obl.	Texas, San Antonio, San Marcos, Austin, Colorado River, Lake Buchanan - Dark
AS9-2987	31 31N	98 09W	80	102	3	Obl.	Texas, Waco, Temples, Brunet, Killeen, Lake Buchanan - Dark
AS9-2988	30 49N	97 36W	60	102	12	Obl.	Texas, San Antonio, Austin, Temple, Waco, Colorado River, Killeen, Fort Hood - Dark

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-2989	28 03N	97 03W		102	18	Obl.	Texas, Mexico, Freeport, Corpus Christi, Brownsville Matamoros, Matagorda Bay, Luguna Madre - Dark
AS9-2990	28 20N	97 20W	95	102	20	Obl.	Texas, Mexico, Freeport, Corpus Christi, Brownsville Matamoros, Matagorda Bay, Luguna Madre - Dark
AS9-2991	30 20N	94 38W	40	102	80	Obl.	Texas, Gulf Coast, Matagorda Bay, Victoria, Freeport, Houston, Galveston Bay - Dark
AS9-2992	30 15N	94 35W	60	102	90	Obl.	Texas, Louisiana, Gulf Coast, White Lake, Vemilion Bay - Dark
AS9-2993							E.V.A. activity - out of focus
AS9-2994-3001							E.V.A. activities of LM Pilot Schweikart
AS9-3002-3005							LM Spacecraft
AS9-3006	4 20N	50 50W	0	102	50	Vert.	Brazil, Amazon River Delta - Dark
AS9-3007	0 40N	50 35W	0	102	80	Obl.	Brazil, Amazon River Delta - Dark
AS9-3008	5 51S	35 37W	0	104	22	Vert.	Brazil, Natal, Rio Grande De Norte Section, Rio Potengi, Rio Ceara Mirim - Dark
AS9-3009	27 02N	114 16W	0	102	65	Obl.	Baja California, Sierra Placeres, Desierto De Vizcaino, Laguna Ojo Del Liebre

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3010	19 07N	100 05W	0	101	8	Obl.	Mexico, Tolvca, Nevado De Toluca Vocano, Sierra Madre Del Sur - Dark
AS9-3011	19 10N	99 35W	70	101	4	Obl.	Mexico, Mexico City, Tolvca, Nevada De Toluca Volcano, Sierra Madre Del Sur - Dark
AS9-3012	18 40N	99 00W	80	101	6	Obl.	Mexico, Sierra Madre Del Dur, Acapulco, Puebla, Popocatepetl Volcano, Mexico City, Toluca - Dark
AS9-3013	17 58N	98 45W	80	101	11	Obl.	Mexico, Sierra Madre Del Sur, Acapulco, Puebla, Popocatepetl Volcano - Dark
AS9-3014	17 00N	98 15W	90	101	15	Obl.	Mexico, Sierra Madre Del Sur, Acapulco, Popcatepetl Volcano - Dark
AS9-3015	16 25N	97 45W	0	101	17	Obl.	Mexico, Sierra Madre Del Sur- Dark
AS9-3016	15 44N	92 53W	65	101	6	Obl.	Mexico, Tanala, Mar Muerto, Sierra De Soconusco - Dark
AS9-3017	15 23N	92 20W	60	101	5	Obl.	Mexico, Guatamala, Tapachula, Sierra De Soconusco - Dark
AS9-3018	14 58N	91 12W	60	101	11	Obl.	Mexico, Guatamala, Quezaltenango, north Pacific - Dark
AS9-3019	12 52N	87 45W	0	101	3	Vert.	Honduras, Nicaragua, El Salvador, Bahia San Lorenzo - Dark
AS9-3020	11 53N	86 00W	50	101	18	Obl.	Nicaragua, Costa Rica, Lago De Nicaragua, Managua, Lago De Managua, Isle de Ometepe, Rivas - Dark

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3021	11 45N	85 27W	60	101	30	Obl.	Nicaragua, Costa Rica; Lago De Nicaragua, Isle of Ometepe, Rivas - Dark
AS9-3022	11 58N	85 33W	50	101	55	Obl.	Nicaragua, Lago De Nicaragua - Dark
AS9-3023	10 38N	83 43W	0	101	60	Obl.	Nicaragua, Costa Rica, Caribbean Sea - Dark
AS9-3024	6 00S	60 20W	0	106	100	Obl.	Thunderstorm over Brazil
AS9-3025	6 15S	60 00W	0	106	100		Thunderstorm over Brazil
AS9-3026	6 30S	59 40W	0	106	100	Obl.	Thunderstorm over Brazil
AS9-3027	6 45S	59 20W	0	106	30	Obl.	Clouds
AS9-3028	6 55S	59 00W	0	106	100	Obl.	Thunderstorm -Dark
AS9-3029	0 07S	91 34W	-	102	11	Obl.	Galapagos Islands (Equador), San Salvador, Isabella, Fernandina - Dark
AS9-3030	0 18S	91 03W	85	102	13	Obl.	Galapagos Islands, Isla, Isabella, Santa Cruz, San Salvador, Fernandina - Dark
AS9-3031	0 22S	90 57W	95	102	13	Obl.	Galapagos Islands, Isla, Isabella, Santa Cruz, San Salvador, Fernandina - Dark
AS9-3032	0 26S	90 50W	100	102	16	Vert.	Galapagos Islands, Isla, Santa Cruz, San Salvador, San Cristobal, Isabella - Dark

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3033							Dark photograph of eastern Sahara
AS9-3034	26 10N	2 40E	0	99	0	Obl.	Algeria, Ahaggar Mountains
AS9-3035	23 00N	15 05E	-	98	0	Obl.	Niger, Chad, Libya
AS9-3036	23 00N	15 00E	90	98	0	Obl.	Niger, Chad, Libya
AS9-3037	24 05N	3 15E	0	98	95	Vert.	Central - North Africa
AS9-3038	24 00N	3 35E	70	98	85	Vert.	Central - North Africa
AS9-3039	23 59N	3 55E	70	98	60	Vert.	Central - North Africa
AS9-3040	32 00N	89 50W	-	101	93	Obl.	Louisiana, New Orleans, Lake Ponchartrain, New Iberia, Lafayette, Gulf of Mexico - Dark
AS9-3041	32 00N	89 48W	90	101	93	Obl.	Louisiana, New Orleans, Lake Pontchartrain, New Iberia, Lafayette - Dark
AS9-3042	32 00N	89 46W	90	101	93	Obl.	Louisiana, Lafayette, New Iberia, Gulf of Mexico - Dark
AS9-3043	29 06N	89 29W	-	101	75	Obl.	Mississippi, New Orleans, Mississippi River Delta, Lake Pontchartrain - Dark
AS9-3044	32 40N	88 30W	-	101	73	Obl.	Mississippi, Biloxi, Gulfport, Gulf of Mexico, Mississippi Sound and Delta, New Orleans - Dark
AS9-3045	32 35N	88 20W	30	101	90	Obl.	Mississippi, Gulf Coast at Biloxi, Gulfport Mississippi

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3046	29 43N	84 54W	0	101	16	Vert.	Florida, Panama City, Tallahasee, St. Joseph Bay, St. George Sound, Apalachicola - Dark
AS9-3047	27 45N	80 26W	0	101	10	Obl.	Florida, Tampa, Jacksonville, Orlando, Cape Kennedy, Lake Okeechobee, St. Johns River-Dark
AS9-3048	24 35N	81 20W	0	101	16	Obl.	Florida, Tampa, Lakeland, Fort Myer, Lake Okeechobee - Dark
AS9-3049	30 18N	81 16W	0	101	18	Vert.	Florida, Brunswick, Jacksonville, Cape Kennedy, Orlando, Dayton Beach, Okefenokee Swamp -Dark
AS9-3050	20 43N	11 08W	0	98	0	Obl.	Mauritania, Guelb Er Richart Dome, Sebkha Chemchan
AS9-3051	19 47N	13 04W	0	98	0	Obl.	Mauritania, Akchra, Dar El Chingvest, Atar, Ibi, Noir Plateau
AS9-3052	15 44N	03 28W	0	100	0	Obl.	Mali, Niger River, Tombouctou, Lake Niangaye -Dark
AS9-3053-3057							Command Module, space walk
AS9-3058							Retro rockets on Lunar Module
AS9-3059							Leg of Lunar Module
AS9-3060-3061							Command Module, space walk
AS9-3062							Lunar Module
AS9-3063							Leg of Lunar Module

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3064-3065							Command Module, space walk
AS9-3066							Leg of lunar module
AS9-3067							Lunar Module
AS9-3068							Retro rockets on Lunar Module
AS9-3069-3071							Lunar Module, Command Module, space walk
AS9-3072-3076							Space walk
AS9-3077-3081							Space walk, Command Module
AS9-3082							Command Module window
AS9-3083-3084							Command Module space walk
AS9-3085-3101							Lunar Module, space walk
AS9-3102							Spacecraft interior
AS9-3103-3104							Inside Command Module
AS9-3105							Limb shot, clouds

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3106	21 20N	16 16E	90	98	2	Vert.	Tibesti Mountains, Chad; Pic Touside
AS9-3107	21 03N	17 08E	90	98	5	Vert.	Tibesti Mountains, Chad; Pic Touside, Tarso Toon
AS9-3108	21 00N	18 00E	90	98	10	Vert.	Tibesti Mountains, Chad
AS9-3109	20 49N	18 47E	90	99	15	Vert.	Tibesti Mountains, Chad
AS9-3110	20 35N	19 32E	80	99	25	Vert.	Tibesti Mountains, Chad
AS9-3111	15 00N	32 20E	0	102	10	Obl.	Sudan, White Nile, Jabal Al Awliya Dam, Khartoum Blue Nile
AS9-3112	08 45N	36 35E	20	108	30	Vert.	Ethiopia, mountain area southwest of Addis Ababa - Dark
AS9-3113	08 28N	37 15E	20	108	50	Vert.	Ethiopia, mountain area southwest of Addis Ababa - Dark
AS9-3114	08 05N	37 50E	20	108	40	Vert.	Ethiopia, mountain area southwest of Addis Ababa - Dark
AS9-3115	07 50N	38 20E	20	108	35	Vert.	Ethiopia, Lakes Shala, Abiyata, Langana, and Zewat, south of Addis Ababa - Dark
AS9-3116	02 50N	47 50E	0	115	20	Obl.	Somalia Coast, Uebi Scebeli River - Dark
AS9-3117	08 00N	49 53E	0	115	5	Obl.	Somalia Coast, looking northeast toward the Penisola Di Hafun

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3118	38 40N	74 00W	85	140	70	Obl.	East coast of United States from North Carolina to Long Island, New York Chesapeake Bay
AS9-3119	38 00N	74 00W	85	139	60	Obl.	East coast of United States, Cape Hatteras, North Carolina, Chesapeake Bay, Delmarva Peninsula, Delaware Bay, New Jersey coast, Long Island, New York
AS9-3120	32 20N	64 24W	90	124	95	Vert.	Karmen cloud vorticles, Guadalupe Island-Dark
AS9-3121	32 20N	64 40W	90	124	95	Vert.	Karmen cloud vorticles, Guadalupe Island-Dark
AS9-3122	36 00N	109 00W	90	138	70	Obl.	New Mexico, Colorado, Utah, Rocky Mountains looking north, Rio Grande
AS9-3123	36 00N	107 00S	90	138	5	Obl.	New Mexico, Colorado, Utah, Rocky Mountains looking north, Rio Grande
AS9-3124	33 12N	79 11W	0	117	0	Vert.	South Carolina, Charleston, Lake Moultrie, Lake Marion, Atlantic coast
AS9-3125	36 55N	77 15W	90	117	30	Obl.	Chesapeake Bay, North Carolina, Virginia, Delmarva Peninsula, New Jersey, New York, Long Island
AS9-3126	36 55N	76 40W	90	116	25	Obl.	North Carolina, Virginia, New Jersey, New York
AS9-3127	34 35N	76 30W	0	116	15	Vert.	North Carolina, Cape Lookout, Pamilco Sound
AS9-3128	35 04N	76 01W	0	116	30	Obl.	North Carolina, Cape Lookout, Cape Hatteras, Pamilco and Albermarle Sounds

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3129	37 00N	75 00W	0	115	70	Obl.	North Carolina, Delmarva Peninsula, New Jersey coast
AS9-3130	14 57N	24 22W	0	99	5	Obl.	Carribean, Cape Verde Islands, Fogo, Santiago, and Maio Islands
AS9-3131	01 50N	00 10W	10	117	90	Obl.	Africa, Cloud patterns over Gulf of Guinea
AS9-3132	01 10N	01 10E	10	117	90	Obl.	Africa, Cloud patterns over Gulf of Guinea
AS9-3133	35 30N	119 00W	80	132	30	Obl.	California, Sierra Nevada, Mohave Desert, Tulare Basin, Death Valley
AS9-3134	35 20N	118 10W	80	130	20	Obl.	California, Sierra Nevada, Mohave Desert.
AS9-3135	36 00N	115 10W	60	129	0	Obl.	Nevada, Arizona, California, Colorado River Las Vegas, Lake Mead, Grand Canyon
AS9-3136	36 00N	113 50W	60	128	0	Obl.	Nevada, Arizona, Colorado River, Black Mountains Lake Mead
AS9-3137	35 30N	113 00W	60	126	0	Obl.	Arizona, coconino Plateau, Painted Desert, Grand Canyon, Colorado River
AS9-3138	35 15N	112 10W	60	125	0	Obl.	Arizona, Painted Desert, Flagstaff, Coconino Plateau, Grand Canyon
AS9-3139	35 10N	111 30W	60	124	0	Obl.	Arizona, Flagstaff, Painted Desert, Grand Canyon, Mogollan Plateau
AS9-3140	35 50N	112 00W	60	122	0	Obl.	Arizona, Painted Desert, Flagstaff, Grand Canyon

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3141	35 40N	106 30W	90	121	78	Obl.	New Mexico, Rio Grande Valley, Redondo Peak, looking north into the Colorado Rockies
AS9-3142	35 40N	106 10W	90	120	78	Obl.	New Mexico, Rio Grande Valley, Redondo Peak
AS9-3143	33 41N	101 32W	50	118	0	Vert.	Texas, Lubbock, Plainview
AS9-3144	33 42N	100 38W	50	118	20	Vert.	Texas, east-southeast of Lubbock
AS9-3145	33 37N	98 50W	50	117	35	Vert.	Texas, east of Lubbock near Knox City
AS9-3146	33 45N	96 33W	0	114	50	Vert.	Texas, Lake Texoma, Denison
AS9-3147	36 00N	81 30W	0	104	25	Obl.	South and North Carolinas, Appalachian Mountains Piedmount area, looking northeast Georgia, Tennessee
AS9-3148	32 20N	80 28W	0	104	0	Obl.	Georgia, South Carolina, Savannah, Charleston
AS9-3149	20 20S	11 30E	80	163	50	Obl.	Southwest Africa near Cape Fria - Dark
AS9-3150	21 15S	12 40E	80	163	40	Obl.	Southwest Africa near Cape Fria - Dark
AS9-3151	21 50S	14 00E	40	163	50	Obl.	Southwest Africa near Cape Fria - Dark
AS9-3152							Astronaut David Scott
AS9-3153							Astronaut Rusty Schweikart
AS9-3154							Astronaut Jim McDivitt

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3155							Astronaut David Scott
AS9-3156							Astronaut Rusty Schweikart
AS9-3157	05 35S	81 05W	0	125	20	Vert.	Peru, South America, Aguja Point, Piura
AS9-3158	07 01S	79 42W	0	127	70	Vert.	Peru, Andes Mountains
AS9-3159	11 00S	77 30W	0	132	55	Obl.	South America, Peru, Coast, Lima-Callao, Point Lachay
AS9-3160	09 00S	76 35W	40	132	50	Vert.	Peru east of Andes Mountains, Lima
AS9-3161	09 25S	76 05W	40	133	55	Vert.	Peru east of Andes Mountains, Lima
AS9-3162	09 40S	75 40W	40	133	40	Vert.	Peru east of Andes Mountains in the vicinity of the Ucayali River
AS9-3163	09 55S	75 10W	40	133	65	Vert.	Peru, east of Andes Mountains, Ucayali River
AS9-3164	10 00S	74 00W	40	134	70	Vert.	Peru, intersection of the Tambo, Urubama, and Ucayali Rivers
AS9-3165	12 00S	73 00W	40	136	25	Vert.	Peru, Tambo, Urubama, and Ucayali Rivers
AS9-3166	14 00S	70 00W	0	139	75	Obl.	Bolivia, Peru, South America, Lake Titicaca
AS9-3167	14 30S	67 30W	0	141	65	Obl.	South America, Bolivia, Peru, Lake Titicaca
AS9-3168	15 00S	69 00W	0	144	55	Obl.	South America, Bolivia, Peru, Lake Titicaca

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3169			0		70	Obl.	Cloud formations
AS9-3170			0		75	Obl.	Cloud formations- Light
AS9-3171			0		50	Obl.	Cloud formations-Light
AS9-3172			0		40	Obl.	Cloud formations-Light
AS9-3173			0		5	Obl.	Himalaya Mountains
AS9-3174	30 42N	121 22E	0		50	Obl.	China, Hang Chow Bay, Shang-Hai, Hang Chow, Ningpo - Dark
AS9-3175							Sunrise limb shot
AS9-3176	19 30N	28 30E	50	97	0	Obl.	United Arab Republic, Nile River, Red Sea, Aswan Dam
AS9-3177	19 38N	30 24E	50	97	5	Obl.	United Arab Republic, Nile River, Red Sea, Aswan Dam
AS9-3178							Command Module
AS9-3179-3188							Lunar Module
AS9-3189							Lunar Module approaching a front
AS9-3190-3203							Lunar Module over a front

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3204-3206							Lunar Module
AS9-3207-3217							Lunar Module, clouds
AS9-3218-3220							Lunar Module
AS9-3221-3244							Lunar Module, clouds
AS9-3245-3253							Lunar Module
AS9-3254							Lunar Module, clouds
AS9-3255							Limb shot
AS9-3256	21 32N	109 40W	0	121	20	Obl.	Western Mexico, Lake of the Chapal
AS9-3257	32 56N	45 18W	9	126	90	Obl.	Clouds, Atlantic Ocean
AS9-3258	32 50N	44 50W	9	126	90	Obl.	Clouds
AS9-3259	21 00N	07 30W	0	125	6	Obl.	Mauritania, Africa, Sahara Desert
AS9-3260	20 42N	07 00W	0	125	0	Obl.	Mauritania, Africa, Sahara Desert
AS9-3261	20 00N	05 00W	0	125	0	Obl.	Mauritania, Africa, Sahara Desert

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3262	27 27N	114 13W	0		15	Vert.	Baja California
AS9-3263	32 57N	115 46W	0		25	Obl.	Southern California, Sierra San Pedro Mastir, Salton Sea
AS9-3264	33 10N	106 40W	0		35	Obl.	New Mexico, White Sands, San Andres Mountains
AS9-3265	31 50N	106 25W	0		15	Obl.	Texas, High Plains, Pecos River
AS9-3266	33 56N	84 31W	90		15	Vert.	Georgia, Atlanta
AS9-3267	33 52N	84 37W	90		20	Vert.	Georgia, Atlanta
AS9-3268	33 52N	84 33W	90		20	Vert.	Georgia, Atlanta
AS9-3269	34 35N	83 05W	0		5	Obl.	Georgia, Smoky Mountains
AS9-3270	33 31N	80 14W	10		5	Vert.	South Carolina, Charleston
AS9-3271	34 14N	79 00W	50		2	Vert.	North Carolina, Carolinas costal plain
AS9-3272	34 52N	78 34W	50		2	Obl.	North Carolina coastal plain, Wilmington
AS9-3273	35 13N	77 10W	50		3	Obl.	North Carolina coastal plain, Jacksonville, Pamlico Sound
AS9-3274	35 44N	75 40W	60		18	Obl.	North Carolina coastal plain, Albermarle Sound

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3275	37 14N	76 46W	60		20	Obl.	North Carolina coastal plain, Albemarle Sound
AS9-3276	35 51N	76 06N	60		15	Obl.	North Carolina coastal plain, Albemarle Sound, Pamlico Sound
AS9-3277	33 30N	75 40W	60		90	Obl.	Clouds off South Carolina coast
AS9-3278	33 25N	74 45W	60		95	Obl.	Clouds off South Carolina coast
AS9-3279-3281							Docking hatch window
AS9-3282	32 07N	107 07W	0		3	Obl.	New Mexico, Texas, El Paso, White Sands
AS9-3283	34 13N	97 32W	60		3	Obl.	Oklahoma, Texas, Arkansas, Oauchita Mountains, Lake Texoma
AS9-3284	34 26N	95 37W	60		3	Obl.	Oklahoma, Texas, Arkansas, Oauchita Mountains, Lake Texoma
AS9-3285	31 40N	82 50W	0		40	Obl.	Florida, Saint George Sound
AS9-3286	33 36N	118 06W	0	107	35	Vert.	California, Santa Catalina Island, Santa Ana, Long Beach
AS9-3287	32 55N	115 35W	40	107	35	Vert.	Salton Sea, Imperial Valley, Mexacali
AS9-3288	31 38N	114 48W	40	107	20	Obl.	Gulf of California, southwestern New Mexico, Bahia de Aduar, Desierto del Altar

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3289	29 52N	114 51W	50	107	20	Obl.	Gulf of California, Baja California
AS9-3290	33 29N	112 26W	0	106	30	Obl.	Arizona, Phoenix
AS9-3291	32 56N	110 03W	0	106	30	Obl.	Arizona, Wilcox
AS9-3292	32 15N	109 03W	60	106	20	Obl.	Arizona, Wilcox
AS9-3293	33 33N	105 57W	0	106	20	Vert.	New Mexico, White Sands, lava flow - Dark
AS9-3294	33 46N	103 05W	0	106	5	Vert	Texas, area west of Lubbock - Dark
AS9-3295	33 25N	101 15W	0	106	0	Vert.	Texas, Lubbock - Dark
AS9-3296	33 03N	99 28W	20	106	0	Vert.	Texas, Wichita River - Dark
AS9-3297	33 47N	98 40W	20	106	0	Vert.	Texas, Wichita River, Wichita Falls - Dark
AS9-3298	32 35N	97 09W	90	105	0	Vert.	Texas, Dallas-Fort Worth
AS9-3299	32 48N	96 52W	90	105	0	Vert.	Texas, Dallas-Fort Worth- Dark
AS9-3300	33 28N	94 26W	0	105	0	Obl.	Louisiana, Red River Basin - Dark
AS9-3301	32 02N	93 19W	0	105	10	Obl.	Louisiana, Red River, Shreveport - Dark
AS9-3302	32 33N	91 26N	0	105	0	Obl.	Louisiana, Monroe - Dark
AS9-3303	31 10N	91 12W	0	105	25	Obl.	Louisiana, Mississippi River Basin, Baton Rouge - Dark

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AS9-3304			0		0	Vert.	Ocean shot, water only
AS9-3305	32 37N	114 40W	0	105	20	Vert.	Mexicali-Yuma
AS9-3306	31 07N	110 23W	0	104	10	Vert.	Arizona, Mexico, Ft. Huachuca, Bisbee-Dark
AS9-3307	31 46N	107 00W	80	103	10	Vert.	Texas, El Paso
AS9-3308	31 44N	106 23W	80	103	10	Vert.	Texas, El Paso
AS9-3309	30 40N	102 50W	0	103	65	Obl.	Texas, Mexico, Rio Grande Valley, Del Rio
AS9-3310	29 15N	98 46W	0	102	25	Vert.	Texas, San Antonio
AS9-3311	22 32N	84 04W	0	102	55	Obl.	Cuba, Peninsula De Guanachacabisbes
AS9-3312	23 00N	81 30W	0	102	65	Obl.	Cuba, Isla De Pinos
AS9-3313	19 20N	75 10W	3	102	20	Obl.	Cuba, Gulfo de Guacanayabeo
AS9-3314	20 28N	77 38W	3	102	30	Obl.	Cuba, Gulfo de Guacanayabeo
AS9-3315	18 28N	77 16W	8	102	15	Obl.	Jamaica
AS9-3316	18 19N	76 39W	8	102	15	Obl.	Jamaica
AS9-3317	18 28N	74 17W	0	102	20	Obl.	Haiti, Jamaica Channel
AS9-3318	17 56N	71 53W	0	102	20	Obl.	Haiti Dominican Republic, Canel de la Beata
AS9-3319	16 25N	68 52W	8	102	20	Obl.	Gulf of Venezuela, Point Gallinas

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3320	16 08N	68 30W	8	102	20	Obl.	Gulf of Venezuela, Point Gallinas
AS9-3321	12 37N	62 42W	0	101	4	Obl.	Grenadine Island
AS9-3322	11 06N	63 45W	0	101	1	Obl.	Venezuela, Trinidad, Peninsula de Araya
AS9-3323						Vert.	Partial Frame - Dark
AS9-3324					40	Obl.	Water and clouds
AS9-3325	32 45N	112 02W	10	105	80	Obl.	Southwestern United States, clouds
AS9-3326	32 25N	109 46W	10	105	80	Obl.	Southwestern United States, clouds
AS9-3327	32 03N	107 32W	10	105	80	Obl.	Arizona, New Mexico, clouds
AS9-3328	31 37N	105 18W	10	105	60	Obl.	New Mexico, Elephant Butte Reservoir, Socorro, Truth or Consequences
AS9-3329	32 58N	106 40W	25	105	13	Obl.	New Mexico, White Sands, Elephant Butte Reservoir, San Adres and Sacramento Mountains
AS9-3330	33 15N	105 20W	60	105	12	Obl.	New Mexico, Texas, Roswell, Artesia, Sacramento Mountains, Pecos River
AS9-3331	33 20N	104 10W	60	105	10	Obl.	New Mexico, Texas, Pecos River, Hobbs, Alamogordo Reservoir

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3332	32 52N	103 43W	50	105	2	Obl.	Texas, New Mexico, Pecos River, Lake Avalon, Hobbs
AS9-3333	33 13N	102 27W	60	105	10	Obl.	Texas, Lubbock, Lamesa
AS9-3334	31 57N	102 15W	50	105	0	Obl.	Texas, Midland, Odessa, Zimmerman Reservoir
AS9-3335	33 15N	100 53W	70	105	10	Obl.	Texas, Lubbock, Red River, Big Springs, Sweetwater
AS9-3336	32 47N	100 11W	70	105	5	Obl.	Texas, Abilene, Wichita Falls, Possum Kingdom Reservoir
AS9-3337	33 32N	99 11W	60	105	7	Obl.	Texas, Wichita Falls, Mineral Wells, Hubbard Creek Reservoir, Abilene
AS9-3338	31 40N	99 07W	75	105	0	Obl.	Texas, Brownwood, Lake Brownwood, Brady
AS9-3339	33 07N	97 43W	70	105	25	Obl.	Texas, Weatherford, Fort Worth, Dallas, Lake Whitney, Red River
AS9-3340	31 02N	97 41W	50	105	0	Vert.	Texas, Waco, Temple, Austin, Buchanan Lake, Lyndon B. Johnson Lake, Fort Hood
AS9-3341	30 45N	97 20W	70	105	0	Vert.	Texas, Waco, Temple, Austin, Brazos River
AS9-3342	28 45N	96 47W	0	105	0	Vert.	Texas, Victoria, San Antonio Bay, Matagorda Bay
AS9-3343	22 37N	78 10W	0	105	15	Vert.	Cuba, Great Bahama Bank, Old Bahama Channel, Cayo Romano

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3344	22 33N	78 11W	90	105	10	Vert.	Cuba, Great Bahama Bank, Old Bahama Channel, Cayo Romano
AS9-3345	22 33N	77 07W	0	105	14	Vert.	Great Bahama Bank, Andros Island, Tongue of the Ocean
AS9-3346	20 56N	75 03W	0	105	10	Vert.	Great Bahama Bank, Jumento Cays, Ragged Island
AS9-3347	20 18N	74 40W	0	105	18	Vert.	Cuba, Guantanamo, Guantanamo Bay Baracoa
AS9-3348	20 17N	74 28W	70	105	10	Vert.	Cuba, Baracoa, Bahia de Ovando
AS9-3349	19 45N	73 14W	0	105	2	Vert.	Haiti, Ile de la Tortue, Gonaives
AS9-3350	18 48N	72 23W	10	105	15	Vert.	Haiti, Dominican Republic, Port-Au-Prince, Island de la Gonave
AS9-3351	18 20N	71 20W	10	107	24	Vert.	Dominican Republic, Lago Enriquillo, Barahona
AS9-3352	18 15N	70 58W	80	107	23	Vert.	Dominican Republic, Barahoma, Bahia de Ocoa
AS9-3353	26 08N	169 56E	0	107	70	Obl.	Frontal zone over water, sunlight
AS9-3354	26 53N	171 55E	0	107	50	Obl.	Clouds over water, sunlight
AS9-3355	27 37N	173 56E	0	107	90	Obl.	Circular cloud patterns over water
AS9-3356	32 00N	129 57W	0	105	60	Obl.	California coast

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3357	31 07N	125 32W	0	105	50	Obl.	California coast, Santa Barbara, San Miguel Island, Santa Rosa Island
AS9-3358	30 04N	121 12W	0	105	40	Obl.	California coast, San Diego, Salton Sea
AS9-3359	28 51N	116 59W	0	105	40	Obl.	Baja California, Gulf of California, Mouth of Colorado
AS9-3360	24 33N	106 53W	0	105	0	Vert.	Mexico, Culiacan, west coast - Dark
AS9-3361	24 40N	106 40W	80	105	20	Vert.	Mexico, west coast, Mazatlan - Dark
AS9-3362	24 53N	104 40W	0	105	0	Obl.	Mexico, Durango, Laguna de Santiaguillo, Sierra Madre Occidental - Dark
AS9-3363	23 45N	104 12W	40	105	9	Vert.	Mexico, Durango, El Molino, Canathlan - Dark
AS9-3364	23 45N	103 50W	70	105	12	Vert.	Mexico, Durango, El Molino, Sombretete, Chalchihuites Juan Aldama - Dark
AS9-3365	23 40N	103 22W	80	105	13	Vert.	Mexico, Rio Grande, Sombrerete, Zacatecas - Dark
AS9-3366	22 43N	102 38W	30	105	40	Vert.	Mexico, Zacatecas, Fresnillo - Dark
AS9-3367	23 10N	102 08W	50	105	37	Vert.	Mexico, Zacatecas, Villa de Coss
AS9-3368	23 15N	101 52W	80	105	60	Vert.	Mexico, Santa Domingo - Dark
AS9-3369	15 58N	91 47W	0	105	12	Obl.	Mexico, Guatemala, Rio Lacantum - Dark

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3370	15 51N	90 35W	50	105	10	Obl.	Guatemala, Mexico, Rio Salinas, Rio Lacatum Sierra de las Mines - Dark
AS9-3371	14 28N	89 35W	70	105	15	Obl.	Guatemala, El Salvador, Honduras, Guatemala City, Sierra de las Mines - Dark
AS9-3372	14 42N	87 58W	0	105	30	Vert.	Honduras, De Yoja Lake, Ulua River - Dark
AS9-3373	12 57N	87 58W	0	105	30	Obl.	Honduras, El Salvador, Nicaragua, San Lorenzo Bay, San Miguel
AS9-3374	06 12N	73 56W	0	121	95	Vert.	Circular storm pattern
AS9-3375	00 34N	64 28W	0	120	90	Vert.	Circular storm pattern
AS9-3376	02 50S	61 20W	0	120	100	Vert.	Circular storm pattern
AS9-3377	06 13S	56 36W	0	119	100	Obl.	Clouds
AS9-3378	16 15N	98 05W	0	100	18	Vert.	Mexico, Sierra Madre Del Sul, Mouth of Verde River - Dark
AS9-3379	16 23N	95 53W	0	99	19	Vert.	Mexico, El Coyol, San Juan Lajarcia - Dark
AS9-3380	16 30N	96 25W	75	99	5	Vert.	Mexico, Miahuatlan, Ejutla, San Juan Lajaria - Dark
AS9-3381	16 48N	95 32W	70	99	50	Vert.	Mexico, Tehuantepec River - Dark

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3382	21 22N	87 25W	0	98	45	Obl.	Yucatan Peninsula, Contey Island, Puerto Juarez - Dark
AS9-3383	21 15N	86 40W	80	98	55	Obl.	Yucatan Peninsula, Puerto Juarez, Contoy Island - Dark
AS9-3384	20 56N	86 40W	80	98	55	Obl.	Yucatan Peninsula, Puerto Juarez, Contoy Island - Dark
AS9-3385	24 19N	82 15W	0	97	90	Vert.	Florida Keys, Marguesas Island, Boca Grando Channel - Dark
AS9-3386	30 46N	11 42W	0	90	15	Obl.	Morroco, West Coast, Casablanca, Kenitra
AS9-3387	29 25N	06 38W	0	90	0	Vert.	Morroco, Algeria, El Khrait
AS9-3388	28 58N	03 37W	0	90	0	Vert.	Algeria, Tebelbala
AS9-3389	26 45N	00 30E	0	90	0	Vert.	Algeria, Borj Rene Estienne, Azarafil
AS9-3390	26 23N	01 57E	0	90	0	Vert.	Algeria, Hassi el Bachir, Sebkha Mekerrhane
AS9-3391	26 10N	02 37E	50	90	0	Vert.	Algeria, south of AIN Salah, El Gaa Taatzebar
AS9-3392	25 43N	03 22E	40	90	0	Vert.	Algeria, Tajmout, Ahaggar Mountains
AS9-3393	25 31N	04 02E	50	90	0	Vert.	Algeria, Ahaggar Mountains, Tajmout
AS9-3394	25 22N	04 27E	60	90	0	Vert.	Algeria, Ahaggar Mountains, Anou Telouliat

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3395	25 07N	05 35E	10	90	0	Vert.	Algeria, Garat El Djenounpeak, Quhet Hassi
AS9-3396	25 03N	06 10E	50	90	0	Vert.	Algeria, Ahaggar Endarene
AS9-3397	26 20N	07 05E	0	90	0	Obl.	Algeria, Essaoui Mellene Mountains, Issaouane N Tifernine
AS9-3398	24 35N	06 53E	0	90	0	Vert.	Algeria, Niger, Border near Libya
AS9-3399	24 45N	10 20E	0	90	0	Obl.	Algeria, Libya, Gat, Mesach Mellet
AS9-3400	24 51N	11 50E	0	90	0	Obl.	Libya, Mesach Mellet, In Echeuiad
AS9-3401	23 45N	08 49E	10	90	0	Vert.	Libya, Ideham Marzuq, Algeria, Niger
AS9-3402	22 47N	09 40E	0	90	1	Vert.	Niger, Chirfa, Plateau Du Djado
AS9-3403	20 25N	17 15E	0	90	30	Vert.	Chad, Zouar, Sherda, Tibesti Mountains
AS9-3404	19 05N	19 10E	0	90	5	Vert.	Chad, Aorounga, east slope of Emi Koussi
AS9-3405	23 50N	104 23W	0	97	48	Vert.	Mexico, Durango - Dark
AS9-3406	26 38N	99 20W	0	96	57	Vert.	Texas, Mexico border, Falcon Lake, Rio Grande - Dark
AS9-3407	26 45N	97 33W	0	95	35	Vert.	Texas, Laguna Madre Coast, Kingsville - Dark
AS9-3408	20 30N	17 09W	0	92	0	Obl.	West African coast, Mauritania, Port-Etienne

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AS9-3409	03 11N	20 07E	90	92	0	Obl.	West African coast, Mauritania, Port-Etienne
AS9-3410	03 00N	21 00E	90	92	0	Obl.	West African coast, Mauritania, Port-Etienne
AS9-3411	18 50N	13 07W	0	94	15	Obl.	Mauritania, Atar
AS9-3412	21 13N	11 45W	20	94	12	Obl.	Mauritania, Guelb Er Richat, Et Tellia
AS9-3413	29 55N	88 12W	0	105	50	Obl.	Alabama, Florida, Mobile, Mobile Bay, Pensacola
AS9-3414	29 40N	85 20W	10	105	60	Obl.	Alabama, Florida, Panama City, Tallahassee
AS9-3415	29 30N	81 20W	0	104	40	Obl.	Georgia, Florida, Jacksonville, east coast - Dark
AS9-3416	33 46N	81 00W	80	104	45	Obl.	Georgia coast, Savannah, Brunswick
AS9-3417	33 41N	80 00W	50	104	44	Obl.	Georgia coast, Savannah, Brunswick
AS9-3418	33 39N	79 00W	80	104	50	Obl.	Georgia coast, Savannah
AS9-3419	33 33N	78 00W	50	104	50	Obl.	Georgia coast, Savannah
AS9-3420	33 28N	75 50W	40	104	70	Obl.	South Carolina, Charleston, Myrtle Beach
AS9-3421	33 18N	73 45W	0	104	80	Obl.	South Carolina, Charleston, Myrtle Beach
AS9-3422-3423							Inside spacecraft

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3424			0		15	Obl.	Cloud patterns over water, sunlight
AS9-3425			80		15	Obl.	Cloud patterns over water, sunlight
AS9-3426	15 00N	24 34W	0	101	8	Vert.	Cape Verde Islands, Santiago, Fogo, Brava Island
AS9-3427	16 10N	22 58W	0	101	7	Vert.	Cape Verde Islands, Boa Vista, Sai Islands
AS9-3428	16 44N	23 02W	50	101	10	Vert.	Cape Verde Islands, Boa Vista, Sai Islands
AS9-3429	15 17N	23 09W	0	101	20	Vert.	Cape Verde Islands, Santiago, Maio, Fogo Islands
AS9-3430			0			Obl.	Clouds over water, sunlight
AS9-3431			50			Obl.	Clouds over water
AS9-3432	15 05N	24 15W	0	102		Obl.	Cape Verde Island, Santiago, Maio, Fogo Islands
AS9-3433	33 57N	120 20W	0	105	30	Vert.	California coast, Santa Rosa Island, Santa Cruz Island
AS9-3434	33 12N	118 53W	80	105	39	Vert.	California, San Nicolas and Santa Catalina Islands, Los Angeles
AS9-3435	33 33N	118 25W	70	105	42	Vert.	California, San Nicolas and Santa Catalina Islands, Los Angeles
AS9-3436	33 40N	118 18W	0	105	43	Vert.	California, San Nicolas and Santa Catalina Islands, Los Angeles
AS9-3437	33 10N	116 05W	0	106	50	Vert.	California, Salton Sea, Mexico, Mexicali

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AS9-3438	35 13N	115 08W	70	106	82	Obl.	Nevada, Las Vegas, Lake Mead
AS9-3439	36 28N	114 02W	50	106	93	Obl.	Nevada, Las Vegas, Lake Mead
AS9-3440	33 19N	116 29W	50	106	90	Obl.	Arizona, Colorado, Lake Powell, Colorado River
AS9-3441	33 35N	112 16W	0	106	37	Vert.	Arizona, Phoenix, Glendale, Litchfield Park, Avondale
AS9-3442	36 43N	111 27W	10	106	88	Obl.	Arizona, Colorado, Lake Powell, Colorado River
AS9-3443	33 44N	109 33W	0	106	85	Obl.	Colorado, clouds
AS9-3444	35 27N	107 23W	90	106	86	Obl.	New Mexico, Albuquerque, Rio Grande
AS9-3445	34 55N	107 09W	0	106	59	Obl.	New Mexico, Albuquerque, Rio Grande
AS9-3446	33 46N	108 15W	0	105	85	Obl.	New Mexico, Colorado, Rio Grande, Santa Fe
AS9-3447	33 46N	106 45W	0	105	76	Obl.	New Mexico, Rio Grande, Santa Fe
AS9-3448	33 50N	105 23W	0	105	27	Vert.	New Mexico, Roswell, Sacramento Mountains
AS9-3449	30 20N	104 32W	60	105	6	Vert.	New Mexico, Roswell, Artesia, Pecos River
AS9-3450	33 46N	104 53W	0	105	70	Obl.	New Mexico, Santa Fe, Pecos River
AS9-3451	33 45N	103 45W	20	105	75	Obl.	Texas, New Mexico, Tucumcari
AS9-3452	33 45N	102 10W	0	105	0	Vert.	Texas, Lubbock

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AS9-3453	33 58N	96 52W	0	105	0	Vert.	Texas, Oklahoma, Lake Texoma, Sherman, Gaines-Ville, Ardmore
AS9-3454	34 54N	90 28W	0	104	5	Obl.	Arkansas, Mississippi, Tennessee, Memphis, Mississippi and Arkansas Rivers
AS9-3455	32 35N	91 00W	60	104	20	Obl.	Arkansas, Mississippi, Tennessee, Memphis, Mississippi and Arkansas Rivers
AS9-3456	30 17N	78 54W	0	103	60	Obl.	United States, east coast, Savannah to Cape Hatteras
AS9-3457	31 50N	110 57W	0	103	70	Vert.	Arizona, town of Continental
AS9-3458	31 43N	107 45W	0	103	1	Vert.	Mexico-New Mexico border, Columbus
AS9-3459	31 35N	107 39W	0	103	1	Vert.	Mexico-New Mexico border, Columbus
AS9-3460	31 41N	106 27W	90	103	5	Vert.	Texas, New Mexico, Mexico border, El Paso, Juarez
AS9-3461	31 42N	102 19W	0	103	15	Obl.	Texas, Odessa, Midland, Big Springs
AS9-3462	29 50N	95 35W	0	103	10	Obl.	Texas, Houston, Galveston
AS9-3463	29 37N	95 43W	0	103	15	Obl.	Texas, Houston, Baytown, Galveston
AS9-3464	29 15N	94 48W	0	103	18	Vert.	Texas, Houston, Galveston, Freeport
AS9-3465	29 41N	94 07W	70	103	15	Obl.	Texas, Galveston Bay, Baytown, Beaumont Louisiana, Lake Charles
AS9-3466	24 54N	85 34W	0	101	20	Vert.	Florida Keys, Marquesas Keys, Grand Boca Channel

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AS9-3467	24 33N	82 08W	70	101	15	Vert.	Florida Keys, Key West, Grand Boca Channel
AS9-3468	22 25N	79 00W	0	101	38	Vert.	Cuba, Moron, Cayo Coco Island, Old Bahama Channel
AS9-3469	22 06N	78 10W	50	101	36	Vert.	Cuba Moron, Cayo Romano, Old Bahama Channel
AS9-3470	20 50N	76 30W	0	101	6	Vert.	Cuba, Holguin, Victoria de las Tunas
AS9-3471	20 06N	75 20W	0	101	14	Vert.	Cuba, Guantanamo, Santiago de Cuba
AS9-3472	19 40N	73 27W	0	101	6	Vert.	Haiti, Gonaives, Torture Island
AS9-3473	18 57N	73 18W	0	101	2	Vert.	Gonzives, Gonave Island, Moragoane, Haiti
AS9-3474	19 42N	72 00W	0	101	0	Obl.	Haiti, Dominican Republic, Cap-Haitien, Monte Cristi
AS9-3475	34 58N	137 51E	0	100	35	Obl.	Japan. Mt. Fujiyama, Island of Honshu - Dark
AS9-3476	30 29N	93 14W	45	105	25	Obl.	Texas, Beaumont, Louisiana, Lake Charles, Mississippi River between Natchez and Baton Rouge - Dark
AS9-3477	29 29N	92 39W	0	105	25	Obl.	Louisiana, Vermillion Bay to Atchafalaya Bay Dark
AS9-3478	30 38N	89 40W	0	105	0	Obl.	Louisiana, New Orleans, Alabama, to Mobile Alabama - Dark
AS9-3479	30 57N	89 11W	80	105	0	Obl.	Mississippi, Biloxi - Dark
AS9-3480	30 53N	87 59W	0	105	0	Obl.	Alabama, Mobile, Florida, Pensacola - Dark

PHOTO FRAME NUMBER	LATITUDE		LONGITUDE		% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3481	16	13N	03	49W	0	99	0	Obl.	Mali, Lake Fagubine
AS9-3482	13	53N	0	50W	0	99	0	Obl.	Mali, Niger, Niger River
AS9-3483	35	35N	95	04W	0	103	20	Obl.	Arkansas, Arkansas and Canadian River Junction, Ft. Smith - Dark
AS9-3484	35	19N	93	06W	10	103	32	Obl.	Arkansas, Dardenelle Reservior, Arkansas River Dark
AS9-3485	35	16N	92	48W	90	103	30	Obl.	Arkansas, Little Rock, Arkansas River - Dark
AS9-3486	34	32N	91	15W	0	103	28	Obl.	Arkansas, Tennessee, Mississippi and Arkansas Rivers - Dark
AS9-3487	34	47N	89	54W	0	103	45	Obl.	Mississippi, Tennessee, Sardis and Enid Reserviors, Mississippi River - Dark
AS9-3488	16	59N	24	35W	0	103	35	Vert.	Cape Verde Islands, Sao Nicolau, Santo Antao, San Vicente, Santa Luzia, Ilheu Branco, Ilheu Raso
AS9-3489	16	30N	22	54W	0	99	40	Vert.	Cape Verde Islands, Boa Vista, Sal
AS9-3490	15	22N	23	35W	0	99	4	Vert.	Cape Verde Islands, Santiago, Maio
AS9-3491	13	00N	17	45W	0	99	0	Obl.	Senegal, Dakar, North Atlantic Ocean - Dark
AS9-3492	12	30N	16	55W	0	99	0	Vert.	Senegal, Dos Bijagos Archipelago, Casamance River - Dark
AS9-3493	11	44N	16	27W	10	99	0	Vert.	Senegal, Das Bijagos Archipelago, Rio Cacheau Dark

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3494	11 54N	15 41W	70	99	0	Vert.	Senegal, Dos Bijagos Archipelago, Rio Mansoa Dark
AS9-3495	07 33N	12 36W	0	99	4	Obl.	Sierra Leone, Shebro Island - Dark
AS9-3496	11 20N	67 30W	0	118	20	Obl.	Venezuela, Caracas, Lago De Valencia, Islands of Curacao and Bonaire in the Caribbean Sea - Dark
AS9-3497	02 30N	50 00W	0	139	90	Obl.	Clouds, Amazon Delta - Dark
AS9-3498	01 25N	48 30W	0	139	90	Obl.	Clouds, Amazon Delta - Dark
AS9-3499	00 30N	47 01W	0	145	90	Obl.	Clouds, Amazon Delta - Dark
AS9-3500				175	0		Lunar View
AS9-3501	77 45S	69 02W	0	175	100	Obl.	Horizon at 170°NW - Dark
AS9-3502	17 45S	69 02W	0	175	5	Vert.	Bolivia and Peru, Lake Titicaca, Border - Dark
AS9-3503	30 15N	132 20E	0	117	37	Obl.	Japan, Nagoya, Mt. Fujiyama on the Island of Honshu - Dark
AS9-3504	30 30N	134 00E	90	117	30	Obl.	Japan, Nagoya, Mt. Fujiyama on the Island of Honshu, spacecraft hatch frame - Dark
AS9-3505	24 40N	158 00W	0	104	15	Obl.	Hawaiian Islands - Oahu, Kauai, Niihar - cloud covered
AS9-3506	23 55N	155 45W	95	104	15	Obl.	Hawiian Islands - Naui, Lanai, Molokai Oahu - cloud covered
AS9-3507	23 30N	154 35W	100	101	15	Obl.	Hawaiian Islands - Hawaii, Maui, Molokai, Oahu, Lanai, Kahoo Lawe - cloud covered

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AS9-3508	23 00N*	153 35W	95	106	10	Obl.	Hawaiian Islands - Hawaii, Maui, Molokai, Kahoo Lawe, Lanai, Oahu - cloud covered
AS9-3509	10 53S	100 34W	0	159	100	Obl.	Clouds
AS9-3510	26 08N	95 58E	0	135	20	Obl.	China, Nomeha Barwa - Dark
AS9-3511	27 30N	92 55E	0	135	0	Obl.	China, Himalayas looking North
AS9-3512	28 22N	94 00E	80	135	0	Obl.	China, Himalayas looking North
AS9-3513	28 56N	104 03E	0	135	15	Obl.	China, Chang Chinang River - Dark
AS9-3514	36 17N	06 00W	0	110	10	Obl.	Straits of Gibraltar, Morroco, Spain
AS9-3515	37 40N	02 00W	0	110	0	Obl.	North Africa, Mediterranean Sea, Spain
AS9-3516	33 10N	13 08E	0	103	0	Obl.	Libya, Tripoli, Mediterranean Sea
AS9-3517	33 10N	13 08E	100	103	0	Obl.	Libya, Tripoli, Mediterranean Sea
AS9-3518	32 40N	14 35E	80	102	0	Obl.	Coast of Libya from Tripoli to Misurata
AS9-3519	32 10N	20 08E	0	101	0	Obl.	Coast of Libya, Bengasi
AS9-3520	35 10N	25 00E	0	100	0	Obl.	Island of Crete, Mediterranean Sea, high oblique
AS9-3521	30 15N	31 47E	0	100	0	Obl.	Nile Delta, Suez Canal, Gulf of Suez, Cairo
AS9-3522	29 06N	31 05E	20	100	0	Vert.	United Arab Republic, Nile River at Beni Suweif

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AS9-3523	27 45N	33 51E	0	101	0	Obl.	Strait of Gubal, Sinai Peninsula, Gulf of Aqaba
AS9-3524	27 58N	34 37E	20	101	0	Obl.	Saudia Arabia, Gulf of Aqaba, Sinai Peninsula
AS9-3525	07 06N	82 00E	0	127	20	Obl.	Ceylon - Dark
AS9-3526	36 39N	05 44W	0	186	65	Obl.	Strait of Gibraltar, Morocco, Spain - Dark
AS9-3527-3532			0		0	Obl.	Africa, Algeria, Libya
AS9-3533			30		0	Obl.	Africa, Algeria, Libya
AS9-3534	16 15N	30 34E	0	102	0	Obl.	Sudan, Nile River
AS9-3535	13 45N	40 28E	20	116	15	Vert.	Ethiopia, French Somaliland
AS9-3536	13 15N	41 06E	30	116	5	Vert.	Ethiopia, Afrera
AS9-3537	12 52N	41 28E	50	116	5	Vert.	Ethiopia, French Somaliland
AS9-3538	12 27N	41 55E	50	116	0	Vert.	Ethiopia, French Somaliland
AS9-3539	11 55N	42 37E	50	116	0	Vert.	Ethiopia, French Somaliland
AS9-3540	11 45N	43 17E	40	116	15	Vert.	Gulf of Tadjoura, Somaliland, Ethiopia, Somalia, Gulf of Aden
AS9-3541	11 38N	43 15E	40	116	20	Vert.	Gulf of Tadjoura, Somaliland, Ethiopia, Somalia, Gulf of Aden

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AS9-3542	12 43N	44 22E	0	116	0	Obl.	Yemen, Aden, South Arabia, Straits of Bab Al Mandab
AS9-3543	27 59N	82 20W	0	140	0	Obl.	Florida, Tampa - Dark
AS9-3544	28 41N	81 07W	0	140	0	Obl.	Florida, Cape Kennedy - Dark
AS9-3545	28 40N	80 37W	60	138	0	Obl.	Florida, Cape Kennedy - Dark
AS9-3546			60	138	5	Obl.	Florida, Cape Kennedy - Dark
AS9-3547	24 50N	02 35E	0	98	0	Obl.	Algeria, Sahara Desert
AS9-3548			0		60	Obl.	Clouds - Dark
AS9-3549			0		80	Obl.	Clouds - Dark
AS9-3550			0		90	Obl.	Clouds - Dark
AS9-3551	34 22N	86 12W	0	142	80	Obl.	Alabama, Birmingham, Gadsden, Decatur, Tennessee River - Dark
AS9-3552	28 02N	81 59W	0	142	0	Obl.	Florida - Dark
AS9-3553	35 12N	77 23W	0	141	30	Obl.	East coast of United States, North Carolina, Neuse River - Dark
AS9-3554	37 02N	76 51W	0	141	50	Obl.	East coast of United States, Virginia, North Carolina, Newport News, Portsmouth - Dark
AS9-3555	35 06N	77 23W	50	141	5	Obl.	East coast of United States, Jacksonville, Pamlico and Neuse Rivers

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AS9-3556	38 45N	74 30W	80	141	15	Obl.	East coast of United States from Atlantic City, New Jersey to Cape Hatteras, North Carolina, and Pamlico Sound - Dark
AS9-3557	39 10N	73 31W	90	140	30	Obl.	East coast of United States from Atlantic City, New Jersey to Rodanthe, North Carolina, and Pamlico Sound - Dark
AS9-3558	32 52N	115 30W	0	130	20	Obl.	California, Salton, Sea, Brawley, El Centro, Mexacali
AS9-3559	31 42N	113 41W	0	130	0	Vert.	Gulf of California, Bahia de Aduar
AS9-3560	33 08N	111 52W	0	123	25	Vert.	Arizona, Phoenix, Temple, Gila River
AS9-3561	33 22N	102 02W	0	118	20	Vert.	Texas, Lubbock, Brownfield
AS9-3562	33 46N	98 40W	0	115	0	Obl.	Texas, Oklahoma, Wichita Falls, Red River and Lake Kemp
AS9-3563	33 35N	91 20W	0	109	0	Vert.	Arkansas, Mississippi, Cleveland, Greenville and Mississippi Rive
AS9-3564	33 44N	90 44W	40	109	0	Vert.	Arkansas, Mississippi, Cleveland, Greenville, Arkansas and Mississippi Rivers
AS9-3565	34 44N	87 54W	0	107	0	Obl.	Alabama, Tennessee, Mississippi
AS9-3566	33 32N	86 44W	0	106	0	Obl.	Alabama, Birmingham
AS9-3567	33 52N	84 33W	0	106	0	Obl.	Georgia, Atlanta

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3568	32 48N	80 02W	0	104	0	Obl.	East coast of United States, St. Helena Sound, Charleston, South Carolina, Santee River
AS9-3569	33 06N	79 28W	50	104	0	Obl.	South Carolina, Charleston, Santee River, Garden City
AS9-3570	35 07N	77 04W	0	103	30	Obl.	North Carolina, Cape Hatteras, Wilmington, Atlantic Ocean
AS9-3571	33 27N	103 29W	0	104	49	Obl.	New Mexico, Texas border
AS9-3572	33 35N	103 09W	70	104	29	Obl.	New Mexico, Texas border
AS9-3573	33 43N	102 46W	60	104	16	Obl.	Texas, New Mexico border
AS9-3574	33 34N	102 23W	60	103	15	Obl.	Texas, Lubbock
AS9-3575	33 45N	102 03W	80	103	20	Obl.	Texas, Lubbock
AS9-3576	33 48N	101 24W	65	103	24	Obl.	Texas, Lubbock area
AS9-3577	34 11N	100 38W	65	103	16	Obl.	Texas, Lubbock area
AS9-3578	34 35N	100 18W	80	103	27	Obl.	Texas, Childress area, Red River
AS9-3579	34 26N	99 53W	65	103	33	Obl.	Texas, Red River, Childress
AS9-3580	34 52N	99 07W	60	102	35	Obl.	Texas, Wichita Falls, Red River
AS9-3581	34 37N	98 22W	62	102	30	Obl.	Texas, Wichita Falls, Red River
AS9-3582	33 53N	97 45W	60	102	22	Obl.	Texas, Wichita Falls, Red River

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3583	33 10N	97 16W	60	102	7	Obl.	Texas, Dallas, Ft. Worth, Trinity River
AS9-3584	32 55N	96 53W	70	102	12	Obl.	Texas, Dallas, Ft. Worth, Trinity River
AS9-3585	32 35N	97 33W	10	102	40	Obl.	Texas, Dallas, Ft. Worth, Trinity River
AS9-3586	33 08N	96 11W	10	102	0	Obl.	Texas, Dallas, Ft. Worth, Lake Texoma, Lake Tawakoni
AS9-3587	21 40N	71 40W	0	98	50	Obl.	Caicos Islands, Haiti, Ile de la Tortue
AS9-3588	12 00N	50 00W	0	107	5	Obl.	Sunlight, ocean
AS9-3589	11 25N	48 55W	60	107	10	Obl.	Ocean
AS9-3590	10 45N	47 55W	80	107	10	Obl.	Ocean
AS9-3591	10 00N	46 40W	0	109	10	Obl.	Ocean
AS9-3592	31 40N	159 50W	100	125	100	Obl.	Anticyclonic cloud pattern
AS9-3593	31 45N	159 10W	100	125	100	Obl.	Anticyclonic cloud pattern
AS9-3594			0		95	Obl.	Weather, clouds
AS9-3595							Astronaut Schweickart in Command Module cabin
AS9-3596							Astronaut Scott in Command Module cabin
AS9-3597							Astronaut McDivitt in Command Module cabin
AS9-3598							Astronaut Schweickart in Command Module cabin

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3599							Astronaut Scott in Command Module cabin
AS9-3600							Astronauts Scott and McDivitt in Command Module cabin
AS9-3601	18 19S	122 07E	0	157	50	Obl.	Australia, town of Broome, Roebuck and Lagrange Bays
AS9-3602			20	157	50	Obl.	Australia, Broome
AS9-3603			20	157	55	Obl.	Australia, Broome
AS9-3604	26 00N	36 35E	0	97		Obl.	Africa, Red Sea, Saudia Arabia
AS9-3605	20 18N	40 21E	0	97	25	Obl.	Saudia Arabia, Abu Latt Island, Red Sea
AS9-3606	19 56N	40 49E	50	97	30	Obl.	Saudia Arabia, Abu Latt Island, Red Sea
AS9-3607	16 40N	48 16E	52	99	0	Obl.	Saudia Arabia, Wadi Hadramawt, Hadramawt Plateau
AS9-3608	16 04N	48 47E	52	99	0	Obl.	Saudia Arabia, Wadi Hadramawt, Hadramawt Plateau
AS9-3609	15 48N	48 56E	52	99	0	Vert.	Saudia Arabia, Wadi Hadramawt, Hadramawt Plateau
AS9-3610	15 20N	49 37E	52	99	0	Vert.	Saudia Arabia, Wadi Hadramawt, Hadramawt Plateau, Gulf of Aden
AS9-3611	12 43N	53 48E	100	103	45	Obl.	Island of Socotra, Indian Ocean

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3612	12 47N	53 32E	100	103	45	Vert.	Island of Socotra, Indian Ocean
AS9-3613			35		75	Obl.	Scattered clouds over Atlantic Ocean
AS9-3614			35		40	Obl.	Scattered clouds over Atlantic Ocean
AS9-3615			35		30	Obl.	Scattered clouds over Atlantic Ocean
AS9-3616			35		30	Obl.	Scattered clouds over Atlantic Ocean
AS9-3617			0	105	50	Obl.	Morocco, Anticyclonic clouds off coast at Agadir
AS9-3618			0		0		Partial Frame
AS9-3619-3632							Command Module
AS9-3633-3634							Command Module, horizon
AS9-3635-3639							Command Module
AS9-3640-3641							Command Module through window
AS9-3642-3653							Command Module
AS9-3654-3655					70		Command Module, high oblique over southwestern United States

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3656					75		Command Module, high oblique over New Mexico
AS9-3657					70		Command Module, high oblique over New Mexico
AS9-3658					70		Command Module, high oblique over west Texas
AS9-3659					60		Command Module, high oblique over west Texas
AS9-3660					60		Command Module, high oblique over central Texas
AS9-3661-3666							Small portion of horizon
AS9-3667			0		30	Obl.	Clouds over water
AS9-3668			0		90	Vert.	Clouds
AS9-3669			0		0	Obl.	Probably Himalaya Mountains, snow - Dark
AS9-3670	12 37N	43 56E	0	89	10	Obl.	Yemen, Somaliland, Red Sea, Gulf of Aden
AS9-3671	12 40N	43 28E	0	89	10	Obl.	Yemen, Somaliland, Red Sea, Gulf of Aden
AS9-3672	13 28N	45 17E	0	90	05	Obl.	Gulf of Aden, Saudi Arabia
AS9-3673	13 20N	46 07E	0	90	07	Obl.	Saudi Arabia Gulf of Aden
AS9-3674	13 55N	47 18E	0	90	02	Obl.	Aden, River Awhar, Gulf of Aden
AS9-3675	11 30N	51 15E	0	90	02	Obl.	Northeastern Somaliland, Gulf of Aden, Indian Ocean

PHOTO FRAME NUMBER	LATITUDE		LONGITUDE		% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3676	11	00N	49	10E	0	91	05	Obl.	Somaliland, Mount Bahaja
AS9-3677	10	15N	21	21E	0	91	10	Obl.	Eastern coast of Somaliland, Island of Penisola Bihafun
AS9-3678	21	02N	14	25E	0	90	13	Obl.	Chad, near Tibesti mountains
AS9-3679	12	09N	32	45E	0	91	09	Obl.	Sudan, Blue and White Nile, town of Kosti
AS9-3680					0		65	Obl.	Limb shot, clouds
AS9-3681					0		20	Obl.	Limb shot
AS9-3682	12	10N	61	50W	50	123	10	Vert.	Lesser Antilles, Grenada Island, Grenadine Islands - Dark
AS9-3683	19	25N	99	10W	50	112	65	Obl.	Mexico, Mexico City, Cerro San Nicolas Volcano, Volcan Popocatepetl Volcano
AS9-3684	19	25N	99	00W	50	112	55	Obl.	Mexico, Mexico City, Cerro San Nicolas Volcano
AS9-3685	19	15N	98	30W	50	113	45	Vert.	Mexico, Cerro La Malinche Volcano, Mexico City
AS9-3686	19	00N	98	05W	50	113	40	Vert.	Mexico, Cerro La Malinche Volcano, Puebla
AS9-3687-3688	16	11N	95	00W	0	115	45	Vert.	Mexico, Gulf of Tehuantepec, Mar Muerto Lagoon, (Double Exposure)

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	% OVER LAP	ALT. MILES	% CLOUD COVER	VIEW-ING MODE	APOLLO 9 HANDHELD PHOTOGRAPHY LOCATION AND DESCRIPTION
AS9-3689	14 50N	90 30W	50	116	80	Vert.	Guatemala, Mountain of the Mines, north of Guatemala City
AS9-3690	14 38N	90 25W	50	116	85	Vert.	Guatemala, Mountain of the Mines, north of Guatemala City
AS9-3691	13 20N	87 15W	0	118	30	Vert.	El Salvador, Honduras, Nicaragua, Bay of San Lorenzo
AS9-3692	08 52N	79 35W	0	120	40	Vert.	Panama Canal Zone - Dark
AS9-3693	01 15N	71 50W	10	137	90	Vert.	Colombia, South America, large thunderhead-Dark
AS9-3694	00 55N	71 25W	10	137	80	Vert.	Colombia, South America, cloud formations - Dark
AS9-3695	00 30N	71 00W	10	138	40	Vert.	Colombia, South America, cloud formations - Dark

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Apollo Flight & Frame Numbers		Description
APOLLO 8 - 2383		High oblique, Earth above horizon; 250mm lens.
8 - 2561		High altitude, Earth; 250mm lens.
8 - 2581		High altitude, Earth: near vertical, East Coast, Florida, Cuba, Bahamas; 80mm lens.
8 - 2588		High altitude; Earth: Africa, South America; 80mm lens.
8 - 2593		High altitude, Earth; 80mm lens.
8 - 2596		High altitude, Earth; 80mm lens.
APOLLO 10 - 5013	(Possible stereo pair)	High altitude, Earth: Western U.S. and Mexico; 80mm lens.
10 - 5014		High altitude, Earth: Western U.S. and Mexico; 80mm lens.
10 - 5034		High Altitude, Earth: North and South America; 250mm lens.
10 - 5040		High Altitude, Earth: North America; 250mm lens.
APOLLO 11 - 5295 thru 5309		High altitude, Earth, clouds; 80mm lens.
11 - 5352		Earth shot: Africa and Mediterranean area; 250mm lens. High Altitude.
11 - 5353		Earth shot: Africa and Mediterranean area; 250mm lens. Slight Earth rotation from AS11-5352.
APOLLO 12 - 7325		Mexico, Central America: Yucatan, Gulf of Mexico, clouds; 80mm lens.
12 - 7326		Earth, SLA near horizon, South America, Mexico; 80mm lens.
12 - 7331		Earth, one half illuminated; North and South America; 250mm lens.
12 - 7338		One half Earth, South America; 250mm lens.

Apollo Flight & Frame Numbers	Description
APOLLO 12 - 7359	One third Earth, Australia on horizon; 500mm lens.
12 - 7360	One third Earth, Australia on horizon; 500mm lens.
12 - 7365	One third Earth, Australia, brownish cast; 250mm lens.
APOLLO 13 - 8578	Southern end of Baja California with Mexican mainland in background; Sierra de la Giganta, Punta Chivato to La Paz; 250mm lens.
13 - 8588	Earth disc with terminator at Gulf of Mexico; Baja California and Mexico at center; 250mm lens.
13 - 8590	Earth disc with terminator off west coast of U.S., storm cloud formation; 250mm lens.
13 - 8600	Earth disc with Pacific cold front seen in cloud formation. Mainland of Asia on horizon, Yellow Sea, Korea; S.E. Asia visible; 250mm lens.

APOLLO 9 PHOTOGRAPHY CATALOG

SO-65 Multispectral Photographs AS9-26
March 8-12, 1969

The NASA SO-65 Experiment "Multispectral Terrain Photography" provides simultaneous satellite photography of the earth's surface in three distinct spectral bands spanning the visible and near infrared regions of the spectrum. The photography consists of sets of four almost spatially identical photographs. The images of ground objects appear in the same coordinate positions on all four photos in the multispectral set within the opto-mechanical tolerances of the Hasselblad cameras in the Apollo 9 Spacecraft.

The set of four multispectral photographs consists of the following:

Band (NASA Desig.)	Taking Camera Film & Filter	Mean Wavelength of Sensitivity	Nominal Bandpass
A	Infrared Color Wratten 15	Green, Red and Infrared	Total sensitivity of all dye layers 510-900nm
B	Panchromatic Wratten 58B	525nm Green	460-610nm
C	Infrared Wratten 89B	800nm Infrared	700-900nm
D	Panchromatic Wratten 25A	645nm Red	580-700nm

APOLLO 9 CATALOG

SO-65 Multispectral Photographs
AS9-26
March 8-12, 1969

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Atlantic Ocean 8
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NOTE: Magazine CC (B & W IR film) 3696 through 3823.
NOTE: Magazine AA (Color IR SO-180 film) 3696 through 3834.

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PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3698	33°00'N	114°53'W	105	5	80	California: Salton Sea, Imperial Valley and El Centro. Mexico: Mexicali and San Luis. Arizona: Yuma and Cibola.
AS9-26-3699	33°05'N	114°50'W	105	5	80	California: Imperial Valley and El Centro. Mexico: Mexicali and San Luis. Arizona: Yuma and Cibola.
AS9-26-3700	33°04'N	114°45'W	105	5	80	California: Imperial Valley and El Centro. Mexico: Mexicali and San Luis. Arizona: Yuma and Cibola.
AS9-26-3731	33°05'N	118°33'W	106	15	60	California: San Clemente, Santa Catalina and Santa Barbara Islands, San Pedro Bay.
AS9-26-3732	33°09'N	117°50'W	106	20	66	California: San Clemente and Santa Catalina Islands, San Pedro Bay, northern San Diego.
AS9-26-3733	33°13'N	117°07'W	106	40	60	California: Santa Ana to San Diego.
AS9-26-3734	33°20'N	116°36'W	106	30	60	California: San Diego and Salton Sea.
AS9-26-3735	33°22'N	116°04'W	106	40	60	California: Salton Sea and Imperial Valley.
AS9-26-3736	33°26'N	115°22'W	106	45	60	California: Salton Sea and Imperial Valley. Arizona: Cibola.
AS9-26-3744	33°16'N	118°12'W	103	25	50	California: Santa Catalina and San Clemente Islands, San Pedro Bay area, Oceanside.
AS9-26-3745	33°15'N	117°33'W	103	35	50	California: Oceanside.
AS9-26-3746	33°12'N	116°56'W	103	40	50	California: Oceanside and Santa Ysabel.

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3747	33°09'N	116°14'W	103	35	50	California: Salton Sea and Imperial Valley.
AS9-26-3748	33°03'N	115°45'W	103	30	50	California: Salton Sea and Imperial Valley. Mexico: Mexicali.
AS9-26-3796	32°55'N	120°00'W	133	80	7.5	California: San Nicolas Island.
AS9-26-3797	32°57'N	118°40'W	132	60	7.5	California: Santa Catalina and San Clemente Islands, and San Clemente coast.
AS9-26-3798	33°01'N	116°55'W	131	10	7.5	California: San Diego, tip of Salton Sea, snow-capped mountains.
AS9-26-3799	33°05'N	115°18'W	129	0	7.5	California: Salton Sea, Imperial Valley. Mexico: Mexicali.
AS9-26-3800	33°19'N	113°49'W	128	0	7.5	California: Yuma, Blythe, Cibola, Colorado River.
AS9-26-3701	33°03'N	114°26'W	105	5	80	Arizona: Yuma and Cibola. Mexico: San Luis.
AS9-26-3702	32°55'N	113°56'W	105	5	80	Arizona: Yuma and Cibola.
AS9-26-3703	32°53'N	113°31'W	105	7	80	Arizona: East of Yuma and Gila Bend.
AS9-26-3704	32°47'N	113°03'W	105	10	80	Arizona: East of Yuma and Gila Bend.
AS9-26-3705	32°44'N	112°26'W	105	20	80	Arizona: Gila Bend, Casa Grande and south of Phoenix.
AS9-26-3706	32°41'N	111°50'W	105	35	80	Arizona: Casa Grande and Williams.
AS9-26-3707	32°40'N	111°20'W	105	45	80	Arizona: Williams.
AS9-26-3708	32°35'N	111°03'W	105	55	80	Arizona: Williams.

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PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3709	32°33'N	110°32'W	105	75	80	Arizona: Tucson.
AS9-26-3710	32°22'N	110°04'W	105	75	80	Arizona: Willcox Lake.
AS9-26-3711	32°08'N	109°27'W	105	75	80	Arizona: Willcox Lake.
AS9-26-3749	32°05'N	111°22'W	103	35	70	Arizona: Tucson.
AS9-26-3750	32°05'N	110°49'W	103	30	70	Arizona: Tucson and Fort Huachuca.
AS9-26-3751	32°05'N	110°20'W	103	25	70	Arizona: Fort Huachuca and Willcox Lake.
AS9-26-3752	32°05'N	109°52'W	103	20	70	Arizona: Willcox Lake, Fort Huachuca.
AS9-26-3753	32°02'N	109°21'W	103	15	70	Arizona: Willcox Lake.
AS9-26-3754	31°56'N	108°57'W	103	10	70	Arizona: southeast of Willcox Lake.
AS9-26-3755	31°54'N	108°40'W	103	5	70	Arizona: southeast of Willcox Lake.
AS9-26-3785	32°06'N	111°59'W	126	3	50	Arizona: west of Tucson.
AS9-26-3786	32°14'N	111°18'W	126	15	50	Arizona: Tucson and Casa Grande.
AS9-26-3801	33°25'N	112°18'W	127	0	7.5	Arizona: Phoenix, Globe, snow.
AS9-26-3802	33°32'N	110°44'W	125	0	7.5	Arizona: Globe.
AS9-26-3803	33°37'N	109°13'W	124	0	7.5	Arizona: New Mexico border, snow.
AS9-26-3712	31°53'N	108°51'W	105	80	80	New Mexico and Mexico border: southwest of Deming.
AS9-26-3713	31°43'N	108°18'W	105	80	80	New Mexico and Mexico border: south of Deming.

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3714	31°45'N	107°48'W	105	70	80	New Mexico and Mexico border: south of Deming.
AS9-26-3737	33°36'N	106°31'W	105	10	60	New Mexico: Socorro and Carrizozo, lava beds.
AS9-26-3738	33°37'N	105°40'W	105	10	60	New Mexico: Carrizozo, lava beds.
AS9-26-3739	33°39'N	105°07'W	105	10	60	New Mexico: Ruidoso and Roswell.
AS9-26-3756	31°54'N	108°20'W	103	4	70	New Mexico: southwest of Deming.
AS9-26-3757	31°53'N	108°00'W	103	2	70	New Mexico: southwest of Deming.
AS9-26-3804	33°44'N	107°37'W	123	0	7.5	New Mexico: north and west of Elephant Butte Reservoir, snow.
AS9-26-3805	33°42'N	106°10'W	121	0	7.5	New Mexico: Carrizozo, lava flow, snow.
AS9-26-3806	33°42'N	104°48'W	120	0	7.5	New Mexico: Roswell.
AS9-26-3807	33°42'N	103°01'W	119	0	7.5	New Mexico, Texas: between Roswell and Lubbock.
AS9-26-3717	31°09'N	106°10'W	105	50	80	Texas: Rio Grande Valley and Quitman Mountains. Mexico: Sierra San Martin del Borracho.
AS9-26-3718	31°08'N	105°39'W	105	40	80	Texas: Rio Grande Valley.
AS9-26-3719	31°05'N	105°09'W	105	40	80	Texas: Rio Grande Valley and Van Horn.
AS9-26-3720	31°04'N	104°42'W	105	30	80	Texas: Van Horn and Pecos.
AS9-26-3721	31°02'N	104°18'W	105	25	80	Texas: Van Horn, Pecos and Red Bluff Lake.
AS9-26-3722	30°59'N	103°57'W	105	20	80	Texas: Pecos and Red Bluff Lake.

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PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3723	29°40'N	97°15'W	105	0	80	Texas: Austin, Port Lavaca and Beeville.
AS9-26-3724	29°26'N	96°49'W	105	0	80	Texas: Port Lavaca and Matagorda Bay.
AS9-26-3725	29°22'N	96°24'W	105	0	80	Texas: Matagorda and Eagle Lake.
AS9-26-3726	29°16'N	96°08'W	105	1	80	Texas: Matagorda, Eagle Lake and Freeport.
AS9-26-3727	29°07'N	95°43'W	105	2	80	Texas: Matagorda, Galveston Bay and Houston.
AS9-26-3728	29°04'N	95°24'W	105	2	80	Texas: Matagorda and Galveston Bay.
AS9-26-3729	28°42'N	94°54'W	105	5	80	Texas: Galveston and Freeport.
AS9-26-3758	28°44'N	95°58'W	102	25	70	Texas: Matagorda Bay.
AS9-26-3759	28°39'N	95°38'W	102	25	70	Texas: Matagorda Bay.
AS9-26-3760	28°34'N	95°18'W	102	25	70	Texas: Matagorda Bay.
AS9-26-3773	30°05'N	98°00'W	126	100	60	Texas: clouds.
AS9-26-3774	30°15'N	97°10'W	126	90	60	Texas: clouds.
AS9-26-3775	30°30'N	96°30'W	126	80	50	Texas: College Station, clouds.
AS9-26-3787	33°20'N	100°41'W	115	35	50	Texas: Paducah, north and northeast of Snyder.
AS9-26-3788	33°22'N	100°02'W	115	45	50	Texas: Knox City and Lake Kemp.
AS9-26-3789	33°26'N	99°33'W	115	45	50	Texas: Red River, Lake Kemp and Seymour.

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PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3808	33°41'N	101°29'W	117	0	7.5	Texas: Lubbock.
AS9-26-3809	33°40'N	99°58'W	116	25	7.5	Texas: Lake Kemp.
AS9-26-3810	33°34'N	98°37'W	115	40	5	Texas: Wichita Falls.
AS9-26-3811	33°27'N	96°54'W	114	25	3	Texas: Dallas, Fort Worth.
AS9-26-3812	33°14'N	94°23'W	113	0	2	Texas: Texarkana area.
AS9-26-3741	32°41'N	91°13'W	105	1	60	Mississippi: Vicksburg, Mississippi Valley, Greenville Bend.
AS9-26-3742	32°38'N	90°34'W	105	3	60	Mississippi: Vicksburg, Mississippi Valley, Greenville Bend, Jackson.
AS9-26-3743	32°34'N	89°57'W	105	5	60	Mississippi: Jackson, Yazoo Valley.
AS9-26-3740	32°44'N	91°58'W	105	0	60	Alabama: Monroe, Mississippi Valley.
AS9-26-3790	33°27'N	86°00'W	106	0	60	Alabama: Gadsden, Anniston and Martin Lake.
AS9-26-3791	33°27'N	85°16'W	106	0	60	Alabama: Anniston and northeast end of Martin Lake.
AS9-26-3813	32°12'N	85°42'W	102	45	0	Alabama: Phoenix City, Martin Lake, Walter F. George Lake.
AS9-26-3792	33°10'N	84°40'W	106	0	60	Georgia: Atlanta.
AS9-26-3814	31°58'N	84°13'W	102	45	0	Georgia: Americus.
AS9-26-3815	31°38'N	82°41'W	102	30	0	Georgia: Waycross.

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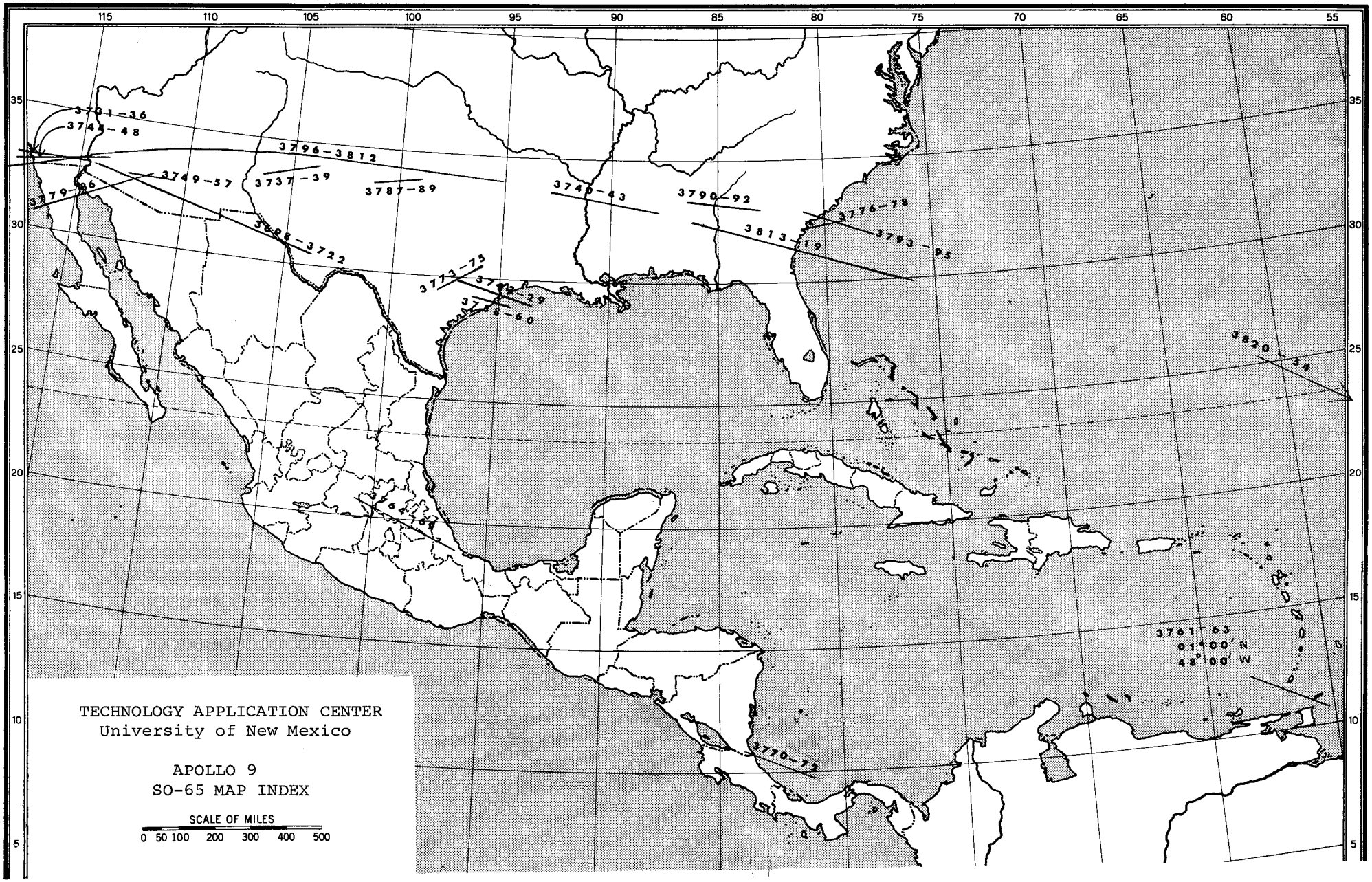
PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3816	31°16'N	81°17'W	102	20	0	Georgia: Brunswick.
AS9-26-3776	33°28'N	78°23'W	113	10	40	South Carolina: Cape Fear, Myrtle Beach, Carolina Beach.
AS9-26-3777	33°25'N	77°58'W	113	40	40	South Carolina: Cape Fear and Carolina Beach.
AS9-26-3778	33°23'N	77°22'W	113	65	40	South Carolina: Carolina Beach.
AS9-26-3793	33°35'N	79°03'W	116	0	5	South Carolina: Georgetown, Myrtle Beach and Winyeh Bay.
AS9-26-3794	33°35'N	77°39'W	116	3	5	South Carolina: Cape Fear, clouds and Atlantic Ocean.
AS9-26-3795	33°30'N	76°30'W	116	70	5	South Carolina: Cape Fear, Atlantic Ocean.
AS9-26-3715	31°26'N	107°14'W	105	70	80	Mexico, Texas: border, southwest of El Paso.
AS9-26-3716	31°16'N	106°45'W	105	60	80	Mexico, Texas: southwest El Paso.
AS9-26-3764	20°46'N	100°15'W	104	70	60	Mexico: northwest of Mexico City.
AS9-26-3765	20°33'N	99°38'W	104	60	60	Mexico: northwest of Mexico City.
AS9-26-3766	20°18'N	99°00'W	104	50	60	Mexico: north of Mexico City.
AS9-26-3767	20°02'N	98°24'W	104	45	60	Mexico: northeast of Mexico City, Cerro la Malinche.
AS9-26-3768	19°40'N	97°49'W	104	40	60	Mexico: Puebla, Cerro la Malinche Volcan.
AS9-26-3769	19°11'N	97°08'W	104	75	60	Mexico: Volcan Citlaltepeti.
AS9-26-3779	31°19'N	116°34'W	126	30	50	Mexico: Baja California, Ensenada.

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3780	31°28'N	115°42'W	126	10	50	Mexico: Baja California, Colorado River delta.
AS9-26-3781	31°34'N	115°04'W	126	5	50	Mexico: Colorado River delta.
AS9-26-3782	31°42'N	114°13'W	126	0	50	Mexico: Colorado River delta, Desierto del Altar.
AS9-26-3783	31°48'N	113°30'W	126	0	50	Mexico: Desierto del Altar.
AS9-26-3784	31°57'N	112°39'W	126	0	50	Mexico and Arizona: Desierto del Atlar.
AS9-26-3770	10°31'N	82°52'W	124	35	41	Costa Rica: Limon and Caribbean Sea.
AS9-26-3771	10°15'N	82°52'W	124	20	41	CostaRRica: Limon and Caribbean Sea.
AS9-26-3772	09°57'N	82°08'W	124	20	41	Caribbean Sea.
AS9-26-3761	01°00'N	48°00'W	112	85	10	South America: clouds and ocean, mouth of Amazon River.
AS9-26-3762	00°20'N	47°00'W	112	35	10	South America: clouds and ocean, mouth of Amazon River.
AS9-26-3763	00°20'S	46°00'W	112	10	10	South America: clouds and ocean, mouth of Amazon River.
AS9-26-3817	30°50'N	79°40'W	102	10	0	Atlantic Ocean.
AS9-26-3818	30°20'N	77°50'W	102	45	0	Atlantic Ocean, clouds.
AS9-26-3819	29°50'N	76°10'W	102	60	0	Atlantic Ocean, clouds.
AS9-26-3820	24°45'N	60°45'W	97	40	0	Atlantic Ocean: Bomex area.
AS9-26-3821	24°05'N	59°20'W	97	25	0	Atlantic Ocean: Bomex area.

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3822	23°35'N	58°05'W	97	30	0	Atlantic Ocean: Bomex.
AS9-26-3823	23°00'N	57°00'W	97	30	0	Atlantic Ocean: Bomex area (frame is only 20% of a full frame).
		NOTE: END OF MAGAZINE CC (B & W IR FILM)				
AS9-26-3824	22°25'N	55°55'W	97	70	0	Atlantic Ocean: Bomex area.
AS9-26-3825	21°50'N	54°40'W	97	40	0	Atlantic Ocean: Bomex area.
AS9-26-3826	21°15'N	53°15'W	97	20	0	Atlantic Ocean: Bomex area.
AS9-26-3827	20°45'N	52°15'W	97	15	0	Atlantic Ocean: Bomex area.
AS9-26-3828	20°05'N	51°00'W	97	35	0	Atlantic Ocean: Bomex area.
AS9-26-3829	19°35'N	49°55'W	98	35	0	Atlantic Ocean: Bomex area.
AS9-26-3830	19°00'N	48°40'W	98	5	0	Atlantic Ocean: Bomex area.
AS9-26-3831	18°20'N	47°20'W	98	30	0	Atlantic Ocean: Bomex area.
AS9-26-3832	17°30'N	46°15'W	98	70	0	Atlantic Ocean: Bomex area.
AS9-26-3833	16°45'N	45°10'W	99	45	0	Atlantic Ocean: Bomex area.
AS9-26-3834	16°00'N	44°00'W	99	30	0	Atlantic Ocean: Bomex area.
		NOTE: END OF MAGAZINE AA (COLOR IR SO-180 FILM)				
AS9-26-3835	15°30'N	43°15'W	99	60	40	Atlantic Ocean: Bomex area.
AS9-26-3836	15°20'N	43°00'W	100	40	40	Atlantic Ocean: Bomex area.

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3837	14°50'N	41°55'W	100	20	0	Atlantic Ocean: Bomex area.
AS9-26-3838	14°00'N	40°40'W	100	15	0	Atlantic Ocean: Bomex area.
AS9-26-3839	13°25'N	39°45'W	101	15	90	Atlantic Ocean: Bomex area.
AS9-26-3840	13°20'N	39°30'W	101	30	90	Atlantic Ocean: Bomex area.
AS9-26-3841	12°40'N	38°25'W	101	40	0	Atlantic Ocean: Bomex area.
AS9-26-3842	12°00'N	37°15'W	101	50	0	Atlantic Ocean: Bomex area.
AS9-26-3843	11°10'N	36°05'W	102	40	0	Atlantic Ocean: Bomex area.
AS9-26-3844	10°25'N	35°00'W	104	40	10	Atlantic Ocean: Bomex area.
AS9-26-3845	09°45'N	33°55'W	105	40	0	Atlantic Ocean: Bomex area.
AS9-26-3846	08°55'N	32°45'W	106	40	0	Atlantic Ocean: Bomex area.
AS9-26-3847	08°05'N	31°35'W	106	40	0	Atlantic Ocean: Bomex area.
AS9-26-3848	07°25'N	30°35'W	107	40	0	Atlantic Ocean: Bomex area.
AS9-26-3849	06°40'N	29°35'W	108	40	0	Atlantic Ocean: Bomex area.
AS9-26-3850	06°00'N	28°35'W	109	40	0	Atlantic Ocean: Bomex area.
AS9-26-3851	05°10'N	27°25'W	110	40	0	Atlantic Ocean: Bomex area.
AS9-26-3852	04°20'N	26°15'W	111	40	0	Atlantic Ocean: Bomex area.
AS9-26-3853	03°40'N	25°20'W	111	40	0	Atlantic Ocean: Bomex area.

PHOTO FRAME NUMBER	LATITUDE	LONGITUDE	ALT. MILES	CLOUDS %	% OVER-LAP	SO-65 MULTISPECTRAL PHOTOGRAPHS LOCATION AND DESCRIPTION
AS9-26-3854	02°55'N	24°15'W	112	40	0	Atlantic Ocean: Bomex area.
AS9-26-3696			105			Limb: clouds, oblique.
AS9-26-3697			105			Limb: clouds, ocean, oblique.
AS9-26-3730				99		Clouds: unintentionally exposed.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APOLLO 9
SO-65 MAP INDEX
SCALE OF MILES
0 50 100 200 300 400 500
3796-3812
3749-57
3737-39
3787-89
3740-43
3790-92
3776-78
3793-95
3813-19
3773-75
3820-34
3770-72
3761-63
01°00' N
48°00' W