

DATE COPIED	PLATES	PLACE COPIED	NO. PLATES	Σ
March 1968	Lick Observatory	Mt. Hamilton	125	125
May 1968	Mount Wilson Obs.	Boulder	21	146
October 1968	U.S. Naval Observatory	Boulder	31	177
November 1968	High Altitude Observatory	Boulder	29	206
July 1969	Univ. of Arizona	Boulder	13	219
JULY 1969	U.S. NAVAL OBSERVATORY	BOULDER	16	235
OCTOBER 1969	US Naval Observatory	Boulder	18	253
FEBRUARY 1970	US Naval Observatory	National archives	22	275
APRIL 1970	Lick Observatory	Boulder	13	288
APRIL 1970	Naval Research Laboratory	Boulder	5	293
JUNE 1970	Harvard College Observatory	Boulder	39	332
JUNE 1970	Lick Observatory	Boulder	17	349

8x10  
GLASS  
PLATES

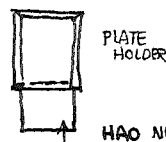
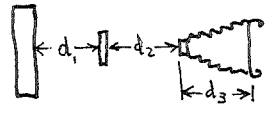


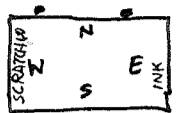

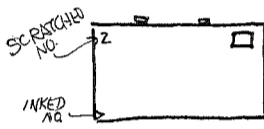
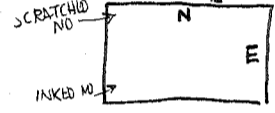
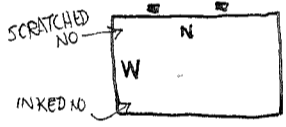
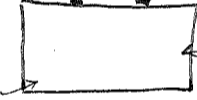

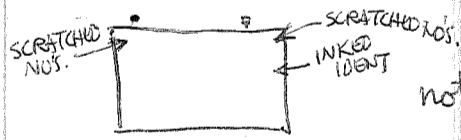

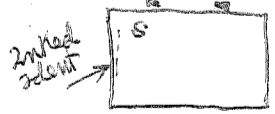
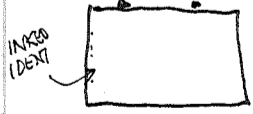
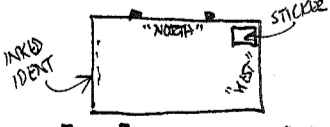
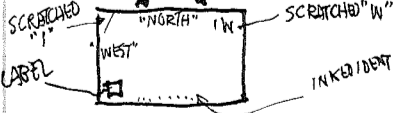
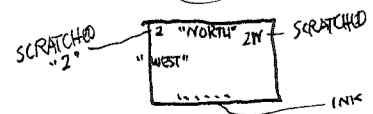
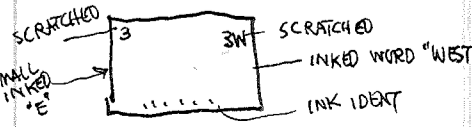
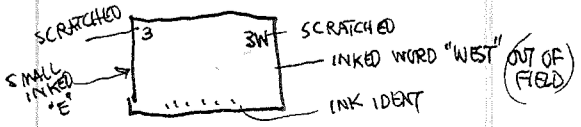
PLATE  
HOLDER  
HAO NUMBER  
IN LOWER RIGHT CORNER  
ON SLIDE END



OUR PLATE NO.	DATE COPIED	PLATE COPIED [See p. 74 for full identification]	EMULSION	EXP.	f/	DEV.	Dil.	Time	Temp	ORIENTATION (AS IT APPEARED TO US IN THE STAND)	LENS	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>	
L-1	3-5-68	LICK Mina Bronces #5, 16 <sup>5</sup> } = L-1893-5 Apr 16 1893: 40' camera	Med. Slide	48 <sup>s</sup>	f/45	DK-50	1:1	3 <sup>m</sup> <sup>RAY</sup> <sub>COAT</sub> <sub>AG.</sub>	67°	ORIG. NO.  Show emulsion up.	480 mm	24 1/2	60 1/2	25 in	
L-2	"	L-1893-5	"	20 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-3	"	L-1893-5	"	80 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-4	3-6-68	L-1893-5	"	90 <sup>s</sup>	"	"	"	"	68°	"	"	"	"	"	
L-5	"	L-1893-4	"	20 <sup>s</sup>	"	"	"	"	"	Same as L-1893-5 w/ resp to ORIG. NO.	"	"	"	"	
L-6	"	L-1893-4	"	40 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-7	"	L-1893-4	"	90 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-8	"	L-1893-4	"	90 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-9	"	L-1893-2	"	20 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-10	"	L-1893-2	"	80 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-11	"	L-1893-1	"	20 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-12	"	L-1893-1	"	80 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-13	"	L-1893-7	"	20 <sup>s</sup>	f/32	"	"	"	"	"	"	"	"	"	
L-14	"	L-1893-7	"	3 <sup>m</sup>	f/32	"	"	"	"	"	"	"	"	"	
L-15	"	L-1901-7	"	20 <sup>s</sup>	f/45	"	"	"	"	"	"	"	"	"	
L-16	"	L-1901-7	"	90 <sup>s</sup>	"	"	"	"	"	INK	"	"	"	"	
L-17	"	L-1901-6	"	20 <sup>s</sup>	"	"	"	"	"	Same as L-1901-7	"	"	"	"	
L-18	"	L-1901-6	"	90 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-19	"	L-1901-7	"	20 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-20	"	L-1901-7	"	90 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-21	3-7-68	L-1905-S6	"	20 <sup>s</sup>	f/45	"	"	"	68	INK WRITING IDENT	"	"	"	"	
L-22	"	L-1905-S6	"	80 <sup>s</sup>	"	"	"	"	"	"	"	"	"	"	
L-23	"	L-1905-S5	"	20 <sup>s</sup>	f/9	"	"	"	"	SECTION upside down	"	"	"	"	
L-24	"	L-1905-S5	"	20 <sup>s</sup>	f/45	✓	"	"	"	Same as L-1905-S6	"	"	"	"	
L-25	"	L-1905-S5	"	90 <sup>s</sup>	"	✓	"	"	"	"	"	"	"	"	
L-26	"	L-1905-S6	"	160 <sup>s</sup>	"	DK-50	1:1	4 <sup>m</sup>	68	"	"	"	"	"	
L-27	"	L-1905-E6	"	80 <sup>s</sup>	f/45	DK-50	1:1	3 <sup>m</sup>	68	writing (add label?) Note my pen number or wrong end.	"	"	"	"	
L-28	3-8-68	L-1905-E6	"	20 <sup>s</sup>	f/45	✓	"	"	"	Same	"	"	"	"	
L-29	"	L-1905-E6	"	90 <sup>s</sup>	"	✓	"	4	"	Same	N W WRITING	"	"	"	note inked coords.
L-30	"	L-1908-6	"	80 <sup>s</sup>	"	✓	"	3	"	Same ↑	"	"	"	"	
L-31	"	L-1908-5	"	20 <sup>s</sup>	"	✓	"	3	"	Same ↑ & note inked coordinates	"	"	"	"	
L-32	"	L-1908-5	"	100 <sup>s</sup>	"	DK-50	1:1	5 <sup>m</sup>	68°	"	"	"	"	"	
L-33	"	L-1898-1	"	15 <sup>s</sup>	f/45	✓	"	3 <sup>m</sup>	68°	SCRATCHED NO. WRITING	"	"	"	"	Note NORTH is marked at the top: no mention of East-West
L-34	"	L-1898-1	"	40 <sup>s</sup>	✓	"	"	"	"	"	"	"	"	"	
L-35	"	L-1898-2	"	20 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	68	"	"	"	"	"	
L-36	"	L-1898-2	"	70 <sup>s</sup>	"	DK-50	1:1	2 1/2 <sup>m</sup>	68	SCRATCHED NO. WRITING	"	"	"	"	Note NORTH is marked at the top: no mention of East-West.
L-37	"	L-1898-4	"	20 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"	Same as L-1898-2 except no paper tag.	"	"	"	"	
L-38	"	L-1898-4	"	80 <sup>s</sup>	"	✓	"	"	"	"	"	"	"	"	
L-39	"	L-1898-6	"	20	"	✓	"	"	"	"	"	"	"	"	
L-40	"	L-1898-6	"	90	"	✓	"	"	"	"	"	"	"	"	
L-41	"	L-1898-7	"	20 <sup>s</sup>	"	✓	"	"	"	"	"	"	"	"	
L-42	"	L-1898-7	"	80 <sup>s</sup>	"	✓	"	"	"	"	"	"	"	"	

SPOT  
TUBE

OXIO GLASS

PLATE NO.	DATE COPIED	PLATE COPIED	EMULSION	EXP.	F/	DEV	Dil.	Time	Temp	ORIENTATION (AS IT APPEARED TO US ON THE STAND)	NOTES
L-43	3-8-68	L-1900-3	Med. Slide	18 <sup>s</sup>	f/45	✓	1:1	3 <sup>m</sup>	68		Note orientation letters which appear on plate
L-44	"	L-1900-3	"	70 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"	"	"
L-45	"	L-1900-4	"	18 <sup>s</sup>	"	✓	"	~4 <sup>m</sup>	"	"	Same as L-1900-3 note orientation marks on plate
L-46	"	L-1900-4	"	70 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"	"	"
L-47	"	L-1900-5	"	20 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	"	"	Same as L-1900-3 except ink is at north-labeled; NOTE NESW markings
L-48	"	L-1900-5	"	80 <sup>s</sup>	"	✓	"	5 <sup>m</sup>	"	"	"
L-49	"	L-1900-6	"	20 <sup>s</sup>	"	✓	"	3	"	"	"
L-50	"	L-1900-6	"	70 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	"		"
L-51	"	L-1900-8	"	12 <sup>s</sup>	"	✓	"	3	"	"	"
L-52	"	L-1900-8	"	20 <sup>s</sup>	"	✓	"	3	"	"	"
L-53	"	L-1900-8	"	50 <sup>s</sup>	"	✓	"	3	"	"	"
L-54	3-9-68	L-1901-2	"	12 <sup>s</sup>	"	✓	"	3	"		No NESW markings
L-55	"	L-1901-2	"	25 <sup>s</sup>	"	✓	"	3	"	"	"
L-56	"	L-1901-3	"	18 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"		Note markings on plate which should be visible
L-57	"	L-1901-3	"	60 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"	"	"
L-58	"	L-1901-4	"	18 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"	"	same as L-1901-3
L-59	"	L-1901-4	"	65 <sup>s</sup>	"	✓	"	3 1/2 <sup>m</sup>	"	"	"
L-60	"	L-1901-5	"	20 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	"		Note markings on plate which should be visible
L-61	"	L-1901-5	"	70 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"	"	"
L-62	"	L-1905-S2	"	12 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"		No NESW (as many plates have it, though)
L-63	"	L-1905-S2	"	40 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	"	"	"
L-64	"	L-1905-S3	"	20 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"		No NESW
L-65	"	L-1905-S3	"	80 <sup>s</sup>	"	✓	DK50	1:1	4 <sup>m</sup>	68	"
L-66	"	L-1905-S4	"	20 <sup>s</sup>	"	✓	DK50	1:1	4 <sup>m</sup>	68°	Same as L-1905-S3
L-67	"	L-1905-S4	"	90 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	68°	"	"
L-68	"	L-1905-S8	"	20 <sup>s</sup>	"	✓	"	2 1/2 <sup>m</sup>	"		Note change in location of scratched nos. rel. to numbers are to ink numbers.
L-69	"	L-1905-S8	"	70 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	"	"	No NESW
L-70	"	L-1905-E1	"	18 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"		"
L-71	"	L-1905-E1	"	40 <sup>s</sup>	"	✓	"	5 <sup>m</sup>	"	"	"
L-72	"	L-1905-E3	"	20 <sup>s</sup>	"	✓	"	2 1/2 <sup>m</sup>	"		Note inked letter "S" in upper right corner
L-73	"	L-1905-E3	"	60 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	"	"	"
L-74	"	L-1905-E7	"	20 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"		No NESW
L-75	"	L-1905-E7	"	90 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	"	"	"
L-76	"	L-1905-E4	"	18 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"		NORTH and WEST are inked on but on the back side (non-emulsion) of the plate; the same size that the sticker is on. Are they genuine?
L-77	"	L-1905-E4	"	70 <sup>s</sup>	"	✓	DK50	1:1	3 1/2 <sup>m</sup>	"	"
L-78	"	L-1908-1	"	12 <sup>s</sup>	"	✓	"	3 <sup>m</sup>	"		Note that inked "WEST" does not agree with scratched "WEST".
L-79	"	L-1908-1	"	25 <sup>s</sup>	"	✓	"	5 <sup>m</sup>	"	"	"
L-80	"	L-1908-2	"	12 <sup>s</sup>	"	✓	"	3 1/2 <sup>m</sup>	"		Note again the discrepancy noted above
L-81	"	L-1908-2	"	25 <sup>s</sup>	"	✓	"	3 1/2 <sup>m</sup>	"	"	"
L-82	"	L-1908-3	"	20 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	"		"
L-83	"	L-1908-3	"	70 <sup>s</sup>	"	✓	"	4 <sup>m</sup>	"		"

CHANGED EMULSION BATCH HERE FROM SPO650 TO SPO650

No NESW markings

Note markings on plate which should be visible

Note markings on plate which should be visible

No NESW (as many plates have it, though)

No NESW

No NESW

Note change in location of scratched nos. rel. to numbers are to ink numbers.

No NESW

Note inked letter "S" in upper right corner

No NESW

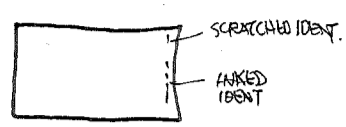
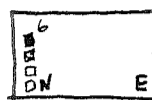

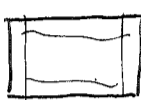
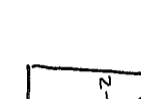
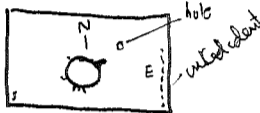
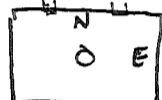
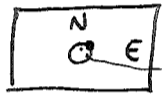

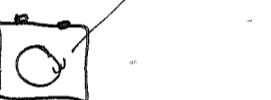

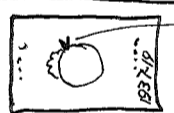
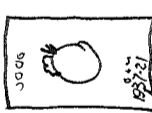
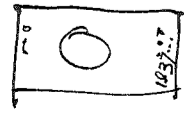
NORTH and WEST are inked on but on the back side (non-emulsion) of the plate; the same size that the sticker is on. Are they genuine?

Note that inked "WEST" does not agree with scratched "WEST".

Note again the discrepancy noted above

INKED WORD "WEST" (OUT OF FIELD)

PLATE NO.	DATE COPIED	PLATE COPIED	EMULSION	EXP.	f/	Dev	Dil	Time	Temp	ORIENTATION	AS IT APPEARED TO US ON THE STAND.	
L-84	3-9-68	L-1918-5	Medium slide	20 <sup>s</sup>	f/45	✓	1:1	3 1/2"	68		No NESW marking	
L-85	"	L-1918-5	"	90 <sup>s</sup>	"	✓		3"	68			
L-86	3-10-68	L-1918-6	"	20 <sup>s</sup>	"	✓	DK-50	3"	68			
L-87	"	L-1918-6	"	110 <sup>s</sup>	"	✓		3"	68		doesn't show on our picture	
L-88	"	L-1918-7	"	20 <sup>s</sup>	"	✓		3 1/2"	68			
L-89	"	L-1918-7	"	90 <sup>s</sup>	"	✓		4"	68		No NESW	
L-90	"	L-1918-8	"	20 <sup>s</sup>	"	✓		3 1/2"	68			
L-91	"	L-1918-8	"	85 <sup>s</sup>	"	✓	DK-50	1:1	2 1/2"	68		No NESW
L-92	"	L-1922-11	"	15 <sup>s</sup>	"	✓	"	"	3"	"		
L-93	"	L-1922-11	"	40 <sup>s</sup>	"	✓	"	"	"	"		
L-94	"	L-1922-11	"	80 <sup>s</sup>	"	✓	"	"	"	"		
L-95	"	L-1922-11	"	120 <sup>s</sup>	"	✓	"	"	"	"		
L-96	"	L-1922-11	"	20 <sup>s</sup>	"	✓	"	"	"	"		
L-97	"	L-1922-11	"	60 <sup>s</sup>	"	✓	"	"	"	"		
L-98	"	L-1922-11	PROCESS	20 <sup>s</sup>	"	✓	"	"	"	"		
L-99	"	L-1922-11	PROCESS	3"	"	✓	"	"	"	"		
L-100	"	L-1922-12	Medium slide	20 <sup>s</sup>	"	✓	"	"	"	"		
L-101	"	L-1922-12	"	80 <sup>s</sup>	"	✓	"	7 1/2"	"	"	No NESW; no inked ident.	
L-102	"	L-1922-14	"	20 <sup>s</sup>	"	✓	"	3 1/4"	68			
L-103	"	L-1922-14	"	100 <sup>s</sup>	"	✓	"	2 1/2"	"	"		
L-104	"	L-1922-15	"	20 <sup>s</sup>	"	✓	"	2 1/2"	"	"		
L-105	"	L-1922-15	"	90 <sup>s</sup>	"	✓	"	6"	"	"	No NESW; no ink ident.	
L-106	"	L-1898-9	"	12 <sup>s</sup>	"	✓	"	3 1/4"	"	"		
L-107	"	L-1898-9	"	40 <sup>s</sup>	"	✓	"	4"	"	"	"N" marked only.	
L-108	"	L-1900-2	"	12 <sup>s</sup>	"	✓	DK-50	2 1/4"	68		fehird tepe not a camera view	
L-109	"	L-1900-2	"	30 <sup>s</sup>	"	✓	"	4"	"	"	SCRATCHED NOT "No. 2 app 1 <sup>s</sup> W (west?) No NESW.	
L-110	"	L-1922-8	"	20 <sup>s</sup>	"	✓	"	2 1/2"	"	"		
L-111	"	L-1922-8	"	90 <sup>s</sup>	"	✓	"	4 1/2"	"	"	NESW marking showed be in view.	
L-112	"	L-1922-17	"	18 <sup>s</sup>	"	✓	"	3"	"	"		
L-113	"	L-1922-17	"	70 <sup>s</sup>	"	✓	"	3"	"	"	(ORIG) PENCIL IDENT	
L-114	"	L-1922-6	"	7 <sup>s</sup>	"	✓	"	2 1/4"	"	"		
L-115	"	L-1922-6	"	19 <sup>s</sup>	"	✓	"	3 1/2"	"	"	No marking except original pencil marking.	
L-116	"	L-1922-7	"	8 <sup>s</sup>	"	✓	"	5"	"	"		
L-117	"	L-1922-7	"	25 <sup>s</sup>	"	✓	"	4"	"	"	(ORIG) PENCIL IDENT	
L-118	"	L-1918-1	"	10 <sup>s</sup>	"	✓	"	2 3/4"	"	"		
L-119	"	L-1918-1	"	30 <sup>s</sup>	"	✓	"	3"	"	"	inked and (orig) pencil ident NO NESW	
L-120	"	L-1918-2	"	20 <sup>s</sup>	"	✓	"	3"	"	"		
L-121	"	L-1918-2	"	60 <sup>s</sup>	"	✓	"	3"	"	"	inked and orig pencil ident NO NESW	
L-122	"	L-1918-9	"	20 <sup>s</sup>	"	✓	"	3 1/2"	68		inked and orig pencil ident NO NESW	
L-123	"	L-1918-9	"	20 <sup>s</sup>	"	✓	DK-50	1:1	3 1/2"	67		

PLATE NO	DATE	PLATE COPIED	EMULSION	EXP.	f/		ORIENTATION
L-124	3-10-68	L-1918-10	Medium slide	12 <sup>s</sup>	f/45 ✓	3 <sup>m</sup>	
L-125	"	L-1918-10	"	35 <sup>s</sup>	" DK:50	1:1 4 <sup>m</sup> 67°	
MW-1	5-23-68	MW-1925-1	Med. slide	1 <sup>m</sup>	f/64 DK:50	1:1 3 <sup>m</sup> 68°	
MW-2	"	MW-1925-1	"	6 <sup>m</sup>	" "	" " "	
MW-3	"	MW-1925-2	"	1 <sup>m</sup>	" "	" " "	
MW-4	"	MW-1925-2	"	7 <sup>m</sup>	" "	" " "	
MW-5	5-24-68	MW-1925-2	"	7 <sup>m</sup>	" ✓	1:1 3 <sup>m</sup> 68°	
MW-6	"	MW-1925-3	"	2 <sup>m</sup>	f/64 ✓	1:1 3 <sup>m</sup> 68°	
MW-7	"	MW-1925-3	"	9 <sup>m</sup>	f/45 ✓	1:1 3 <sup>m</sup> 65°	superficial scratches on our plate
MW-8	"	MW-1918-1	"	45 <sup>s</sup>	f/64 ✓	1:1 3 1/2 <sup>m</sup> 68°	
MW-9	"	MW-1918-1	"	1 1/2 <sup>m</sup>	" ✓	1:1 3 1/2 <sup>m</sup> 68°	
MW-10	"	MW-1918-2	"	30 <sup>s</sup>	f/64 ✓	1:1 3 <sup>m</sup> 68°	
MW-11	"	MW-1918-2	"	90 <sup>s</sup>	" ✓	1:1 3 <sup>m</sup> 68°	
MW-12	"	MW-1918-3	PROCESS PLATE	~30 <sup>s</sup>	f/64 ✓	1:1 3 <sup>m</sup> 68°	
MW-13 NG	"	MW-1918-3	"	120 <sup>s</sup>	" Not Proc.	1:1 3 <sup>m</sup> 68°	
MW-14	"	MW-1918-5	"	40 <sup>s</sup>	f/64 ✓	1:1 4 <sup>m</sup> 68°	
MW-15	"	MW-1918-5	"	90 <sup>s</sup>	" ✓	1:1 4 <sup>m</sup> 68°	
MW-16	"	MW-1918-6	"	40 <sup>s</sup>	f/64 ✓	1:1 4 <sup>m</sup> 68°	
MW-17	"	MW-1918-6	"	90 <sup>s</sup>	" ✓	1:1 3 <sup>m</sup> 68°	
MW-18	"	MW-1918-5 Enlarged	"	1 <sup>m</sup>	" ✓ DK:50	FS 4 <sup>m</sup> 68°	
MW-19	"	MW-1918-5 Enlarged	"	4 <sup>m</sup>	" ✓	1:1 4 <sup>m</sup> 68°	
MW-20	"	MW-1918-6 Enlarged	"	4 <sup>m</sup>	" ✓	1:1 2 1/2 <sup>m</sup> 68°	
MW-21	"	MW-1918-3 Enlarged	Med Slide	150 <sup>s</sup>	f/64 ✓ DK:50	1:1 4 <sup>m</sup> 68°	
NO-1	10 OCT 68	NO-1937-19	Med Slide*	30 <sup>s</sup>	f/64 DK:50	1:1 4 <sup>m</sup> 68°	
NO-2	"	NO-1937-19	"	90 <sup>s</sup>	" "	" " 68°	* This begins on new box of Med Slide plate rec'd 9-68
NO-3	"	NO-1937-20	"	30 <sup>s</sup>	f/64 DK:50	1:1 " "	
NO-4	"	NO-1937-20	"	90 <sup>s</sup>	" DK:50	1:1 " "	same ↑
NO-5	4 OCT 68	NO-1937-21	"	90 <sup>s</sup>	f/64 DK:50	1:1 3 <sup>m</sup> 68°	
NO-6	"	NO-1937-21	"	5 <sup>m</sup>	f/64 "	" 4 <sup>m</sup> "	
NO-7	"	NO-1937-22	"	90 <sup>s</sup>	" "	" ~3 <sup>m</sup> "	
NO-8	"	NO-1937-22	"	6 <sup>m</sup>	" "	" ~3 <sup>m</sup> "	same ↑
NO-9	"	NO-1937-21	"	15 <sup>m</sup>	" DK:50	1:1 4 <sup>m</sup> 68°	same
NO-10	"	NO-1937-23	"	1 <sup>m</sup>	" "	" 3 1/2 <sup>m</sup> "	
NO-11	"	NO-1937-23	"	8 <sup>m</sup>	" "	" 3 1/2 <sup>m</sup> "	same
NO-12	"	NO-1937-24	"	1 <sup>m</sup>	" "	" 3 <sup>m</sup> "	same
NO-13	"	NO-1937-24	"	4 <sup>m</sup>	" "	" 3 <sup>m</sup> "	
NO-14	"	NO-1937-24	"	9 <sup>m</sup>	" "	" 3 <sup>m</sup> "	
NO-15	15 OCT 68	NO-1937-23	"	8 <sup>m</sup>	" DK:50	1:1 3 1/2 <sup>m</sup> "	(Repeat of NO-11)
NO-16	"	NO-1937-25	"	15 <sup>m</sup>	" "	" 3 <sup>m</sup> "	
NO-17	"	NO-1937-25	"	3 1/2 <sup>m</sup>	" "	" 3 <sup>m</sup> "	
NO-18	"	NO-1937-26	"	3 <sup>m</sup>	" "	" 3 <sup>m</sup> "	
NO-19A	"	NO-1937-26	"	10 <sup>m</sup>	" "	" 4 <sup>m</sup> "	

No coordinate marking on any of these Naval Observatory plates.

PLATE NO	DATE COPIED	PLATE COPIED	ENUL.	EXP.	f/	DEV	Dil.	Time	Temp	
NO-19B	15 OCT '68	NO-1937-27	Medium Slide	3 <sup>m</sup>	f/64	DK-50	1:1	3 <sup>m</sup> (3)	68	No orientation mark except date.
NO-20	"	NO-1937-27	"	10 <sup>m</sup>	"	DK-50	"	4	"	
NO-21	"	NO-1937-29	"	3 <sup>m</sup>	"	DK-50	"	3 <sup>m</sup> 45 <sup>s</sup>	"	Same orientation
NO-22	16 OCT '68	NO-1937-28	"	15 <sup>m</sup>	f/64	DK-50	1:1	~3 <sup>m</sup>	68	
NO-23	"	NO-1937-28	"	3 <sup>m</sup>	"	"	"	~3 <sup>m</sup>	"	
NO-24	"	NO-1937-30	"	3 <sup>m</sup>	"	"	"	~3 <sup>m</sup>	"	Same orientation
NO-25	"	NO- -2	"	15 <sup>m</sup>	f/64	"	"	~3 <sup>m</sup>	"	DOUBLE EXP. w/ NO-26
NO-26	"	NO- -2	"	3 <sup>m</sup>	"	"	"	~3 <sup>m</sup>	"	DOUBLE EXP w NO-24
NO-27	"	NO- -4	"	12 <sup>m</sup>	"	"	"	~3 <sup>m</sup>	"	
NO-28	"	NO- -4	"	3 <sup>m</sup>	"	"	"	~3 <sup>m</sup>	"	
NO-29	17 OCT '68	NO-1937-29	"	15 <sup>m</sup>	"	"	"	~3 <sup>m</sup>	"	ENLARGEMENT
NO-30	"	NO-1937-30	"	15 <sup>m</sup>	"	"	"	~3 <sup>m</sup>	"	ENLARGEMENT
NO-31	18 OCT '68	NO-1937-30	"	5 <sup>m</sup>	"	"	"	3 <sup>m</sup>	"	
H-1	11 NOV '68	H-1966-11	Process	6 <sup>s</sup>	f/8	DK-50	1:1	3 <sup>m</sup>	68	Omega Enlarger
H-2	"	H-1966-11	"	"	"	"	"	"	"	"
H-3	"	H-1966-11	"	"	"	"	"	"	"	"
H-4	"	H-1966-6	"	15 <sup>s</sup>	"	"	"	"	"	"
H-5	"	H-1966-6	"	6 <sup>s</sup>	"	"	"	"	"	"
H-6	"	H-1966-6	"	"	"	"	"	"	"	"
H-7	"	H-1966-6	"	"	"	"	"	"	"	"
H-8	12 NOV '68	H-1966-10	Process	6 <sup>s</sup>	f/8	"	"	3 <sup>m</sup>	68	"
H-9	"	H-1966-10	"	3 1/2 <sup>s</sup>	"	"	"	"	"	"
H-10	"	H-1966-10	"	3	"	"	"	2 1/2	"	"
H-11	"	H-1966-7	"	6 <sup>s</sup>	"	"	"	3 <sup>m</sup>	"	"
H-12	"	H-1966-5	"	6 <sup>s</sup>	"	"	"	"	"	"
H-13	"	H-1966-5	"	3 1/2 <sup>s</sup>	"	"	"	"	"	"
H-14	15 NOV '68	H-1966-2	Process	1 1/2 <sup>s</sup>	f/8	"	"	"	"	"
H-15	"	H-1966-2	"	3 <sup>s</sup>	"	"	"	"	"	"
H-16	"	H-1966-2	"	5 <sup>s</sup>	"	"	"	"	"	"
H-17	18 NOV '68	H-1966-7	"	5 <sup>s</sup>	"	"	"	"	"	"
H-18	"	H-1962-20	"	3 1/2 <sup>s</sup>	f/11	"	"	"	"	"
H-19	19 NOV '68	H-1962-22	Process	1 1/2 <sup>s</sup>	f/11	"	"	"	"	"
H-20	"	H-1962-22	"	5 <sup>s</sup>	"	"	"	"	"	"
H-21	"	H-1962-20	"	1 1/2 <sup>s</sup>	"	"	"	"	"	"
H-22	"	H-1962-18	"	25 <sup>s</sup>	"	"	"	"	"	"
H-23	21 NOV '68	H-1965-3A	Med Slide	2 <sup>s</sup>	f/11	"	"	3 <sup>m</sup>	"	"
H-24	"	H-1965-3A	"	2 1/2 <sup>s</sup>	"	"	"	3 <sup>m</sup>	"	"
H-25	"	H-1965-3A	"	5 <sup>s</sup>	"	"	"	3 <sup>m</sup>	"	"
H-26	"	H-1965-7A	Med Slide	3 <sup>s</sup>	f/11	"	"	3 <sup>m</sup>	"	"
H-27	"	H-1965-7A	"	6 <sup>s</sup>	"	"	"	3 <sup>m</sup>	"	"
H-28	"	H-1965-9A	"	2 <sup>s</sup>	"	"	"	"	"	"
H-29	"	H-1965-9A	"	5 <sup>s</sup>	"	"	"	"	"	"

PLATE NO.	DATE COPIED	PLATE COPIED	EMUL	EXP	f/	Dev	Dil.	Time	Temp	
H-30	6 JAN '69	H-1963-S2	Med Slide	4 <sup>s</sup>	f/16	DK50	1:1	68	68°	Omega enlarger
H-31	"	H-1963-S2	"	11 <sup>s</sup>	f/16	"	"	"	66°	" "
H-32	7 JAN '69	H-1963-S1	"	10 <sup>s</sup>	f/16	"	"	"	68°	" "
H-33	"	H-1963-S1	"	20 <sup>s</sup>	f/36	"	"	"	68°	" "
H-34	10 JAN '69	H-1963-S3	"	73 <sup>s</sup>	f/45	"	"	"	"	" "
H-35	"	H-1963-S1	"	14 <sup>s</sup>	f/11	"	"	"	"	" "
H-36	"	H-1963-T1	"	14 <sup>s</sup>	f/16	"	"	"	"	" "
H-37	"	H-1963-S1	"	20 <sup>s</sup>	f/11	"	"	"	"	" "
H-38	"	H-1963-S4	"	14 <sup>s</sup>	f/11	"	"	"	"	" "
A-1	8 Jul '69	A-1923-X19	MED. SLIDE	3 <sup>m</sup>	f/45	"	"	2.5 <sup>m</sup>	"	
A-2	"	A-1923-X19	"	15 <sup>m</sup>	f/45	"	"	3 <sup>m</sup>	"	
A-3	9 Jul '69	A-1923-©	"	1 3/4 <sup>m</sup>	f/45	"	"	4 <sup>m</sup>	"	
A-4	"	A-1923-©	"	15 <sup>m</sup>	f/45	"	"	3 <sup>m</sup>	"	
A-5	"	A-1923-©	"	1 <sup>m</sup>	f/45	"	"	3 <sup>m</sup>	"	
A-6	8 Jul '69	A-1923-X19	"	3 <sup>m</sup>	f/45	"	"	3 <sup>m</sup>	"	
A-7	"	A-1923-X19	"	9 <sup>m</sup>	f/45	"	"	2.5 <sup>m</sup>	"	
A-8	10 Jul '69	A-1923-2	"	2 <sup>m</sup>	f/45	"	"	4 <sup>m</sup>	"	
A-9	"	A-1923-2	"	10 <sup>m</sup>	f/45	"	"	3 <sup>m</sup>	"	
A-10	"	A-1923-3	"	2 <sup>m</sup>	f/45	"	"	3 <sup>m</sup>	"	
A-11	"	A-1923-3	"	15 <sup>m</sup>	f/45	"	"	2 <sup>m</sup>	70°	
A-12	11 Jul '69	A-1923-2	"	14 <sup>m</sup>	f/45	"	"	4 <sup>m</sup>	68°	
NO-32	14 Jul '69	NO-1937-24	"	2 <sup>m</sup>	f/64	"	"	2 1/2 <sup>m</sup>	"	Disk smaller - on two, cut off some. J.G. original
NO-33	"	NO-1937-24	"	10 <sup>m</sup>	f/64	"	"	"	"	
NO-34	"	NO-1937-24	"	15 <sup>m</sup>	"	"	"	"	"	reduced disk dia.
NO-35	"	NO-1937-24	"	1 1/2 <sup>m</sup>	"	"	"	"	"	reduced disk dia. in order to get full corona
NO-36	"	NO-1937-24	"	"	"	"	"	"	"	copy of original
NO-37	"	NO-1937-24	"	12 <sup>m</sup>	"	"	"	"	"	"
A-13	10 Jul '69	A-1923-2	"	~20 <sup>m</sup>	f/45	"	FS	4 <sup>m</sup>	"	
NO-38	17 Jul '69		COMM. Film	30 <sup>s</sup>	f/64	"	1:1	2 1/2 <sup>m</sup>	70°	Positive -
NO-39	"		"	"	"	"	"	"	"	Positive
NO-40	"		"	"	"	"	"	"	"	Positive
NO-41	"		"	"	"	"	"	"	"	Positive
NO-42	"		"	"	"	"	"	"	"	Positive
NO-43	"		"	"	"	"	"	"	"	Negative
NO-44	"		"	"	"	"	"	"	"	Negative
NO-45	"		"	"	"	"	"	"	"	Positive
NO-46	"		"	"	"	"	"	"	"	Negative
NO-47	"		"	"	"	"	"	"	"	Positive
NO-48	18 Jul '69		"	"	"	"	"	"	"	Positive
NO-49	"		"	"	"	"	"	"	"	Positive
NO-50	"		"	"	"	"	"	"	"	Positive

ORIGS WERE 11 X 14 SHEET FILM  
 NO-38 THRU NO-53 WERE COPIED  
 ON 4 X 5 SHEET FILM, NOT 8 X 10 GLASS  
 - UNKNOWN ECLIPSE -

10 JUL '69 PM

PLATE NO.	DATE COPIED	PLATE COPIED	EMUL	EXP	f/	DEV	DIL.	TIME	TEMP	
NO-51	18 JUL '49		COMM FILM	30 <sup>s</sup>	f/64	DK50	1:1	2 1/2	68°	Positive <span style="border: 1px solid black; padding: 2px;">o</span> streaks 11x14" film
NO-52	"		"	"	"	"	"	"	"	Site photo - 65' camera "
NO-53	"		"	"	"	"	"	"	"	8x10 negative
NO-54	OCT '69	NO-1937-24 POSITIVE	MED SLIDE							
NO-55	"	NO-1937-	"							Undertaken copy of a good, well exposed med. exposure lens
NO-56	"	NO-1937-21	"							
NO-57	"	NO-1937-21	"							
NO-58	"	NO-1937-21	"							
NO-59	"	NO-1937-21	"							
NO-60	"	NO-1937-21	"							
NO-61	"	NO-1937-22	"							
NO-62	"	NO-1937-23	"							
NO-63	"	NO-1937-23	"							
NO-64	"	NO-1937-24	"							
NO-65	"	NO-1937-24	"							
NO-66	"	NO-1937-24	"							
NO-67	"	NO-1937-24	"							
NO-68	"	NO-1937-25	"							
NO-69	"	NO-1937-27	"							
NO-70	"	NO-1937-28	"							
NO-71	"	NO-1937-28	"							
NO-72	26 FEB '70	NO-1878-W1	MED SLIDE	60 <sup>s</sup>	f/22	DK50	1:1			NO-72 through NO-93 were copied at the Natl' Archives Bldg using their Durst Model 184 (like the HAS model). One plate was developed in DK50(1:1) to check exposure; the remainder (all those here) were brought to Boulder for development by John Goff. Orientation on the plates: "vertex of sun" was marked on originals with a printed arrow on one side. The <span style="border: 1px solid black; padding: 2px;">v</span> labels on our plates are on this same side. Care was taken to put our 8x10 plates in the Durst parallel to the originals. See "National Archives" folder for more orientation details.
NO-73	"	NO-1878-W1	"	90 <sup>s</sup>	"	"	"			
NO-74	"	NO-1878-W2	"	2 <sup>m</sup>	"	"	"			
NO-75	"	NO-1878-W2	"	4 <sup>m</sup>	"	"	"			
NO-76	"	NO-1878-W4	"	2 1/2 <sup>m</sup>	"	"	"			
NO-77	"	NO-1878-W4	"	5 <sup>m</sup>	"	"	"			
NO-78	"	NO-1878-W5	"	2 <sup>m</sup>	"	"	"			
NO-79	"	NO-1878-W5	"	4 <sup>m</sup>	"	"	"			
NO-80	"	NO-1878-C13	"	90 <sup>s</sup>	"	"	"			
NO-81	"	NO-1878-C13	"	2 <sup>m</sup>	"	"	"			
NO-82	"	NO-1878-C14	"	2 <sup>m</sup>	"	"	"			
NO-83	"	NO-1878-C14	"	2 <sup>m</sup>	"	"	"			
NO-84	"	NO-1878-C14	"	2 <sup>m</sup>	"	"	"			
NO-85	"	NO-1878-C15	"	2 <sup>m</sup>	"	"	"			
NO-86	"	NO-1878-C15	"	2 <sup>m</sup>	"	"	"			
NO-87	"	NO-1878-C15	"	4 <sup>m</sup>	"	"	"			
NO-88	"	NO-1878-C16	"	2 <sup>m</sup>	"	"	"			
NO-89	"	NO-1878-C16	"	4 <sup>m</sup>	"	"	"			
NO-90	"	NO-1878-C16	"	4 1/2 <sup>m</sup>	"	"	"			
NO-91	"	NO-1878-C17	"	2 <sup>m</sup>	"	"	"			
NO-92	"	NO-1878-C17	"	5 <sup>m</sup>	"	"	"			

MOST EXTENDED

Moon 2:3  
Moon 2:3




PLATE NO.	DATE COPIED	PLATE COPIED	EMUL MED SLIDE	EXP	f/	DEV	DIL.	TIME	TEMP
NO-93	27 FEB 70	NO-1878-C17		3 <sup>m</sup>	f/22	DK50	1:1		
L-126	APR 70	L-1889b-3	MED SLIDE	SHORT		DK50	1:1		
L-127	APR 70	L-1889b-3	"	LONG		"	"		
L-128	APR 70	L-1889a-1	"	SHORT		"	"		
L-129	APR 70	L-1889a-1	"	LONG		"	"		
L-130	APR 70	L-1889a-3	"			"	"		
L-131	APR 70	L-1889a-3	"			"	"		
L-132	APR 70	L-1889a-2	"	SHORT					
L-133	APR 70	L-1889a-2	"	LONG					
L-134	APR 70	L-1889b-1	"	SHORT					
L-135	APR 70	L-1889b-1	"	LONG					
L-136	APR 70	L-1889b-2	"	SHORT					
L-137	APR 70	L-1889b-2	"	MED					
L-138	APR 70	L-1889b-2	"	LONG					
NR-1	APR 70	NRL-1952-3	"	SHORT					
NR-2	APR 70	NRL-1952-3	"	LONG					
NR-3	APR 70	NRL-1952-13	"	SHORT					
NR-4	APR 70	NRL-1952-13	"	LONG					
NR-5	APR 70	NRL-1952-13	"	LONG-CROPPED					
HC-1	JUN 70	HC-X-2	MED SLIDE	SHORT					
HC-2	JUN 70	HC-X-2	"	LONG					
HC-3	JUN 70	HC-X-2	"	LONG					
HC-4	"	HC-1889-4	"	SHORT					
HC-5	"	HC-1889-4	"	LONG					
HC-6	"	HC-1889-4	"	LONG					
HC-7	"	HC-1889-3	"	SHORT					
HC-8	"	HC-1889-3	"	LONG					
HC-9	"	HC-1889-6	"	SHORT					
HC-10	"	HC-1889-6	"	LONG					
HC-11	"	HC-1889-6	"	LONG					
HC-12	"	HC-1889-5	"	SHORT					
HC-13	"	HC-1889-5	"	SHORT					
HC-14	"	HC-1889-5	"	LONG					
HC-15	"	HC-1889-5	"	LONG					
HC-16	"	HC-1896-1	"	SHORT					
HC-17	"	HC-1896-1	"	LONG					
HC-18	"	HC-1896-1	"	LONG					
HC-19	"	HC-1889-1	"	SHORTEST					
HC-20	"	HC-1889-1	"	SHORT					
HC-21	"	HC-1889-1	"	LONG					
HC-22	"	HC-X-3	"	SHORT					
HC-23	"	HC-X-3	"	LONG					

PLATE No.	DATE COPIED	PLATE COPIED	EMUL	EXP	f/	DEV	DIL. TIME	TEMP
HC-24	JUN 70	HC-1869-3	MED SLIDE	1 EXP				
HC-25	"	HC-1870-2	"	SHORT				
HC-26	"	HC-1870-2	"	LONG				
HC-27	"	HC-1896-2	"	SHORT				
HC-28	"	HC-1896-2	"	LONG				
HC-29	"	HC-1896-2	"	LONG				
HC-30	"	HC-1889-2	"	SHORT				
HC-31	"	HC-1889-2	"	LONG				
HC-32	"	HC-X-1	"	SHORT				
HC-33	"	HC-X-1	"	LONG				
HC-34	"	HC-1869-1	"	SHORT				
HC-35	"	HC-1869-1	"	LONG				
HC-36	"	HC-1870-1	"	SHORT				
HC-37	"	HC-1870-1	"	LONG				
HC-38	"	HC-1870-1	"	LONGER				
HC-39	"	HC-1869-2	"	1 EXP				
L-139	"	L-1932-A2	"	1 EXP				
L-140	"	L-1932-A7	"	SHORT				
L-141	"	L-1932-A7	"	LONG				
L-142	"	L-1932-A4	"	SHORT				
L-143	"	L-1932-A4	"	LONG				
L-144	"	L-1932-A6	"	SHORT				
L-145	"	L-1932-A6	"	LONG				
L-146	"	L-1932-A5	"	SHORT				
L-147	"	L-1932-A5	"	LONG				
L-148	"	L-1932-C8	"	SHORT				
L-149	"	L-1932-C8	"	LONG				
L-150	"	L-1932-C4	"	SHORT				
L-151	"	L-1932-C4	"	LONG				
L-152	"	L-1932-C3	"	SHORT				
L-153	"	L-1932-C3	"	LONG				
L-154	"	L-1932-C2	"	SHORT				
L-155	"	L-1932-C2	"	LONG				
NR-6	DEC 70	NRL-1952-3	"	SHORT				
NR-7	"	NRL-1952-3	"	LONG				
NR-8	APR 70	NRL-1952-8	"	SHORT				
NR-9	"	NRL-1952-9	"	LONG				
NR-10	DEC 70	NRL-1952-8	"	SHORT				
NR-11	"	NRL-1952-8	"	LONG				
NR-12	"	NRL-1952-9	"	SHORT				
NR-13	"	NRL-1952-9	"	LONG				

First plates made using new Copier at 30<sup>th</sup> street. (Now diameter 3" rather than "standard" 2" on all other Copier plates.)



ORIGINAL PLATE LOG

OUR ORIGINAL PLATE IDENTIFICATION	OBSERVATORY/ECLIPSE SITE	ECLIPSE DATE	2 TIME	EXPOSURE	PLATE SIZE	LUNAR DISK (mm)	PLATE CONDITION
L-1893 - 5	LICK, <i>Mina Bronces, Chile</i> 40' camera	1893 APR 16		16 <sup>s</sup>	18 x 22 IN	117	Broken off corner; some pits; generally good
L-1893 - 4	" " " #4	" "		8 <sup>s</sup>	"	"	Some bad stains & torn emulsion in outer field
L-1893 - 2	" " " #2	" "		2 <sup>s</sup>	"	"	
L-1893 - 1	" " " #1	" "		1/4 <sup>s</sup>	"	"	Some orange spot stains; shower of pinholes on one side
L-1893 - 7	" " " #7	" "		24 <sup>s</sup>	"	"	Fogged w/ fog; large grey stain over one quadrant.
L-1901 - 7	LICK, <i>Padang Sumatra</i> #7	1901 MAY 17-18		140 <sup>s</sup>	18 x 22		Good; diagonal scratch out of field
L-1901 - 6	" " " #6	" "		60 <sup>s</sup>	"		
L-1905 - S6	LICK, <i>Alhama Spain</i> #6	1905 AUG 30		64 <sup>s</sup>	"		Good
L-1905 - S5	" " " #5	1905 "		64 <sup>s</sup>	"		Some serious scratches; has step wedge
L-1905 E6	LICK, <i>Aswan</i> #6	1905 AUG 30		16 <sup>s</sup>	"		a little out of focus
L-1905 E5	" " " #5	" "		64 <sup>s</sup>	"		a bad wide streak of later runs thru corona 
L-1893 - 8	LICK, <i>Mina Bronces</i> #8	1893 APR 16		1/4 <sup>s</sup>	"		Bad 3rd contact flash
L-1893 - 3	" " " #3	1893 APR 16		4 <sup>s</sup>	"		Broken in two and patched
L-1908 - 6	LICK, <i>Flint Island</i> #6	1908 JAN 3		32 <sup>s</sup>	"		Paper seals on back of plate; also one ink circle <small>NOTE COORDS IN</small>
L-1908 - 5	" " " #5	1908 JAN 3		64 <sup>s</sup>	"		Badly stained; marked with ink circles
L-1898 - 1	LICK, <i>Jawar, India</i> #1	1898 JAN 22		Inst.	14 x 17		Good; very faint: ink lines at poles. <small>NOTE COORDS</small>
L-1898 - 2	" " " #2	" "		1 <sup>s</sup>	"		Good; paper label on lower left: fingerprints. <small>NOTE COORDS</small>
L-1898 - 4	" " " #4	1898 "		4 <sup>s</sup>	"		Good; some spots in outer field: <small>NOTE COORDS</small>
L-1898 - 6	" " " #6	" "		16 <sup>s</sup>	"		Fair; a long snaky scratch goes into corona on left side
L-1898 - 7	" " " #7	" "		8 <sup>s</sup>	"		Good; some fingerprints, many small pinholes: " is at top
L-1900 - 3	LICK, <i>Thomaston, Georgia</i> #3	1900 MAY 28		2 <sup>s</sup>	"		Good;
L-1900 - 4	" " " #4	" "		4 <sup>s</sup>	"		Good; some dark small spots; one small tear hole
L-1900 - 5	" " " #5	" "		16 <sup>s</sup>	"		Fair; some bad small scratches and pits
L-1900 - 6	" " " #6	" "		8 <sup>s</sup>	"		Very good; some small spots, fingerprints, label in upper right
L-1900 - 8	" " " #8	" "		1/2 <sup>s</sup>	"		Good; exquisite prominence detail
L-1901 - 2	LICK, <i>Padang, Sumatra</i> #2	1901 May <del>17</del> 17		1 <sup>s</sup>	"		Excellent; a small pit at bottom; a tagon plate
L-1901 - 3	" " " "	" May 18		2 <sup>s</sup>	"		Excellent: N and E are marked.
L-1901 - 4	" " " "	" May 18		4 <sup>s</sup>	"		Fair; emulsion looks reticulated; N and E are marked
L-1901 - 5	" " " "	" May 18		16 <sup>s</sup>	"		Good; N and W are marked
L-1905 - S2	LICK, <i>Alhama, Spain</i>	1905 Aug 30		1 <sup>s</sup>	"		Good; later scratches in outer field
L-1905 - S3	" " "	" "		4 <sup>s</sup>	"		Fair; some bad scratches in lunar disk and lower field <small>NO NESW</small>
L-1905 - S4	" " "	" "		8 <sup>s</sup>	"		Good; some small scratches & prints; <small>NO NESW</small>
L-1905 - S8	" " "	" "		2 <sup>s</sup>	"		Good; many fingerprints and scratches near the edge; <small>NO NESW</small>
L-1905 - E1	LICK, <i>Aswan, Egypt</i>	1905 Aug 30		1 <sup>s</sup>	"		Good; some spots in the emulsion: <small>NO NESW</small>
L-1905 - E3	" " "	" "		4 <sup>s</sup>	"		Good; several bad small spots; many water spots
L-1905 - E4	" " "	" "		8 <sup>s</sup>	"		Fair; it looks "framed"; scratches are present (mine?); spots and fingerprints <small>NO NESW</small>
L-1905 - E7	" " "	" "		8 <sup>s</sup>	"		Good; the usual fingerprints; some (6) pinholes in corona <small>NO NESW</small>
L-1908 - 1	LICK, <i>Flint Island</i>	1908 Jan 3		4 <sup>s</sup>	"		Fair; emulsion is covered of fine gritty pits; many fingerprints
L-1908 - 2	" " "	" "		2 <sup>s</sup>	"		Good; a stain in upper right corner; a lot of little pits
L-1908 - 3	" " "	" "		32 <sup>s</sup>	"		Fair; some large stain line (zone) at the top; many small pits

OUR ORIGINAL PLATE IDENTIFICATION	OBSERVATORY & SITE	ECLIPSE DATE	TIME	EXPOSURE	PLATE SIZE	LUNAR DISK (mm)	PLATE CONDITION
L-1918-5	LICK: Goldendale, Wash.	1918 JUNE 8	8	32 <sup>s</sup>	14x17	117	Poor: some definite chemical stains + double image
L-1918-6	" " "	" "	"	16 <sup>s</sup>	"	"	Good: the dble image detracts; some scratches.
L-1918-7	" " "	" "	"	8 <sup>s</sup>	"	"	Fairly good: more than usual fingerprints, incl some on disk.
L-1918-8	" " "	" "	"	4 <sup>s</sup>	"	"	Good; horizontal light scratches; dble image.
L-1922-11	LICK, Wallal, W. Australia	1922 SEPT 21	"	32 <sup>s</sup>	"	"	Excellent: fingerprints in outer field
L-1922-12	" " "	" "	"	64 <sup>s</sup>	"	"	Very badly scratched, gouged: many small holes: marked "NG" <sup>envelope</sup>
L-1922-14	" " "	" "	"	16 <sup>s</sup>	"	"	Excellent: some dark spots: very few fingerprints
L-1922-15	" " "	" "	"	8 <sup>s</sup>	"	"	Good; many pinholes in heavily exposed region.
L-1898-9	LICK: Jaur, India	1898 JAN 22	"	2 <sup>s</sup>	11x14	"	Fair: some ink dots, mnt scratches. The edges are very rough as though the plate had been.
L-1900-2	LICK: Thomaston, Georgia	1900 MAY 28	"	1 <sup>s</sup>	"	"	Fair: many horizontal scratches: tape around edge. Edges are very rough; it may be a cut-down.
L-1922-8	LICK: Wallal, W. Australia	1922 SEPT 21	"	4 <sup>s</sup>	"	"	Good: some large grey spots that look like ink.
L-1922-17	" " "	" "	"	2 <sup>s</sup>	"	"	Good: some " " "
L-1918-1	LICK: Goldendale, Washington	1918 JUNE 8	"	not	10x12	"	Good; small scratches & double image
L-1918-2	" " "	" "	"	1 <sup>s</sup>	"	"	Good; some scratches & double image
L-1918-9	" " "	" "	"	2 <sup>s</sup>	"	"	Good; many small scratches & double image
L-1918-10	" " "	" "	"	Shot	"	"	Good; many scratches and fingerprints & slight dble image
L-1922-6	LICK: Wallal, W. Australia	1922 SEPT 21	"	1 <sup>s</sup>	"	"	Fair: a circular mudge on upper left. Fine scratches
L-1922-7	LICK: " "	" "	"	2 <sup>s</sup>	"	"	Good: some fair sized abrasions and fine scratches
MW-1925-1	MT WILSON: Middletown, Conn.	1925 JAN 24	"	2	8x10	1.6"	Good (Seed 30 Plate)
MW-1925-2	" " "	" "	"	15	"	"	Good (Seed 30 Plate)
MW-1925-3	" " "	" "	"	73	"	"	Good (Alford Pan + red filter)
MW-1918-1	MT WILSON: Matheson, Colo.	1918 JUNE 8	5 <sup>h</sup> 25 <sup>m</sup> 51 <sup>s</sup> (SUMMERTIME)	1 <sup>s</sup>	8x10	1.5"	Good (Seed 30 Plate)
MW-1918-2	" " "	" "	5 <sup>h</sup> 24 <sup>m</sup> @ 7 <sup>s</sup>	4 <sup>s</sup>	10x12	"	Good (Seed 30 Plate)
MW-1918-3	" " "	" "	5 <sup>h</sup> 24 <sup>m</sup> @ 7 <sup>s</sup> (19)	8 <sup>s</sup>	10x12	"	Good (Seed 30 Plate)
MW-1918-4	" " "	" "	"	10 <sup>s</sup>	10x12	"	Poor (Seed 30 Plate): streaked in development; underexposed
MW-1918-5	MT WILSON: Green River, Wyo.	1918 JUNE 8	5 <sup>h</sup> 18 <sup>m</sup> 9 <sup>s</sup>	1/2 <sup>s</sup>	8x10	3.3	Good (labelled "2 <sup>nd</sup> after 2 <sup>nd</sup> contact") Excellent, prominent detail
MW-1918-6	" " "	" "	5 <sup>h</sup> 16 <sup>m</sup> 4 <sup>s</sup>	1/2 <sup>s</sup>	8x10	3.3	Good (label: 16 <sup>s</sup> after 2 <sup>nd</sup> contact) Good prom. + inner corona cracked when used.
NO-1937-19	U.S. Naval Obs., Canton Island	1937 JUNE 8	"	? (short)	8x10	44.5 mm	Fair: a small scratch outside limb + overall streaks
NO-1937-20	" " "	1937 "	"	? (short)	8x10	"	Fair: spotty, stained background, streaks
NO-1937-21	" " "	" "	"	? (long)	8x10	"	Good: plate is yellowed here and there + some small spots & stains
NO-1937-22	" " "	" "	"	? (med long)	8x10	"	Excellent: the plate is a little dirty; many pinholes
NO-1937-23	" " "	" "	"	? (med long)	8x10	"	Good: some severe scratches, yellow stains, & dirty
NO-1937-24	" " "	" "	"	? long	8x10	"	Good: one bad flaw (pencil mark?)
NO-1937-25	" " "	" "	"	? long	8x10	"	Good: some pinholes; high background fog.
NO-1937-26	" " "	" "	"	? med	8x10	"	Fair to Good; quite a few small scratches & pits <sup>+ bad streaks in limb due to development</sup>
NO-1937-27	" " "	" "	"	? med	8x10	"	Fair to Good; 2 bad small scratches in inner corona <sup>+ bad fishbone streaks due to envelope</sup>
NO-1937-28	" " "	" "	"	? long	8x10	"	Good: 1 pit in inner corona + envelope stains.
NO-1937-29	" " "	" "	"	? short	8x10	"	Good: envelope stain: exquisite inner detail
NO-1937-30	" " "	" "	"	? short	8x10	"	Good: slight yellow stains + scratches outside corona <sup>wide streaks light background</sup>
NO-? -2	" " "	" "	"	? Med	8x10	43.5	Bad: one long scratch; grainy. Is it an original? } they don't look like
NO-? -4	" " "	" "	"	? Med	8x10	43.5	Fair: wide striped hlfld: is it an original? } one: too grainy

OUR ORIG. PLATE IDENTIF.	OBSERVATORY & SITE	ECLIPSE DATE	TIME	EXPOSURE	PLATE SIZE	LUNAR DISK	PLATE CONDITION
H-1966-2	HAO, Pulacayo Bolivia	12 Nov 1966		10 <sup>s</sup>	70 mm		Radial graded filter; Excellent: in ANR Glass
H-1966-5	" "	"		1 <sup>s</sup>	"		Polaroid #2 " "
H-1966-6	" "	"		10 <sup>s</sup>	"		Polaroid #2 " "
H-1966-7	" "	"		1 <sup>s</sup>	"		Polaroid #3 " "
H-1966-10	" "	"		1.5 <sup>s</sup>	"		No Polaroid " "
H-1966-11	" "	"		15 <sup>s</sup>	"		No Polaroid " "
H-1962-18	HAO, Lae, New Guinea	5 Feb 1962	22 <sup>h</sup> 53 <sup>m</sup> 28 <sup>s</sup>	1/100 <sup>s</sup>	35 mm		Good, unprotected PANATOMIC-X.
H-1962-20	" (by J. FIRCH w/ Questar)	"	22 <sup>h</sup> 53 <sup>m</sup> 12 <sup>s</sup>	1/100	"		
H-1962-22	" " "	"	22 <sup>h</sup> 51 <sup>m</sup> 49 <sup>s</sup>	1/10	"		
H-1965-3A	HAO, Bellingshausen Island	30 May 1965			35 mm		Good, unprotected, PLUS-X.
H-1965-7A	"	"			"		" " "
H-1965-9A	"	"			"		" " "
H-1963-S1	HAO, Sourdough	20 July 1963		1/10	"		
H-1963-S2	" "	" "		1/25	"		
H-1963-S3	HAO, Sourdough	" "		1/5	"		
H-1963-P1	" Talketna	" "		1/10	"		
H-1963-S4	" Sourdough	" "		1/50	"		
A-1923-X19	UNIV. of Ariz, SONORA, MEXICO	10 SEPT 1923			17" x 14"		Good, pinholes, nailholes and scratches. Plumt bob thru center of disk. Excellent, famous "fly" eclipse. Pinholes, scratches and nailholes. Plumt bob.
A-1923-©	" " " "	" "			"		Good, large yellow stain at bottom of plate. Scratches. POSITIVE PLATE
A-1923-2	" " " "	" "			20" x 16"		Very good, stains, scratches, some rather large pinholes. POSITIVE PLATE
A-1923-3	" " " "	" "			"		Excellent - one original plate and one positive plate.
NO-1937-24	U.S. Naval Obs.	8 JUNE 1937			8" x 10"		
NO-1878-W1	US Naval Obs, CRESTON, WYO	29 JULY 1878			3.9 x 5"	9mm	Plates now reside in the Old Military Records Division, National Archives Building, Washington, D.C. They were bound in glass and unbound to be copied there by me.
NO-1878-W2	" "	" "			"	"	
NO-1878-W4	" "	" "			"	"	
NO-1878-W5	" "	" "			"	"	
NO-1878-C14	US Naval Obs., La Junta, Colo.	29 JULY 1878			"	"	
NO-1878-C15	" "	" "			"	"	
NO-1878-C16	" "	" "			"	"	
NO-1878-C17	" "	" "			"	"	
NO-1878-C13	" "	" "			"	"	
NRL-1952-3	US Naval Res. Lab, Khartoum <sup>Sudan</sup>	25 Feb 1952			8x10 Glass	56mm	Plates in good condition except for some stains from manila envelope glue. Obtained from Dr. John P. Heger, now at Penn State University
NRL-1952-8	" "	" "			"	"	
NRL-1952-9	" "	" "			"	"	
NRL-1952-13	" "	" "			"	"	
L-1889a-1	Lick Obs: Bartlett Spgs Calif	1 Jan 1889			5x7 Glass	12. mm	E. E. Barnard
L-1889a-2	Lick Obs. " "	" "			8x10 "	35 mm	an orig?
L-1889a-3	(Lick Obs.) Cloverdale Calif	" "		8 <sup>s</sup>	5x7 Glass	3.5 mm	Taken by Geo. W. Reed of P.C.A.P.A.
L-1889b-1	Lick Obs: Cayenne <sup>French Guiana</sup>	21 Dec 1889		5 <sup>s</sup>	6 1/2 x 6 1/2 "	35.5 mm	Taken by Schaeferle with 18" Reflector
L-1889b-2	" "	" "		15 <sup>s</sup>	6 1/2 x 6 1/2 "	35.5 mm	" " " "
L-1889b-3	" "	" "		5 <sup>s</sup>	4 x 5"	9.5 mm	Taken by Schaeferle with USNO lens.

OUR ORIG PLATE IDENTIFICATION	OBSERVATORY & SITE	ECLIPSE DATE	TIME	EXPOSURE	PLATE SIZE	LOHAP DUK	PLATE CONDITION
HC-1896-1	(Harvard College) RUSSIAN ASTRON. SOC. SIIKA VUOPIO, LAPLAND, SWEDEN	7 Aug 1896			3 1/4 x 4 in	7.5 mm	With Prussian markings. We identified it. => A COPY, but NEGATIVE. "I. Sycora". POSITIVE COPY, labelled "8 août, 1896 S. Kostinsky"
HC-1896-2	(Harvard College)	8 Aug 1896			3 1/4 x 4 in	14 mm	
HC-1869-1	Harvard College Obs.	7 Aug 1869			4 1/8 x 5 1/2 in	22 mm	Two images on each plate
HC-1869-2	Shelbyville, Ky.	7 Aug 1869			4 1/8 x 5 1/2 in	22 mm	" "
HC-1869-3	"	7 Aug 1869			4 1/8 x 5 1/2 in	22 mm	" "
HC-1870-1	Harvard College Obs.	22 Dec 1870			4 1/4 x 4 1/4	22 mm	Masked
HC-1870-2	" Jerez de la Frontera Spain	22 Dec 1870			4 1/4 x 4 1/4	27 mm	Badly blurred:
HC-1889a-1	Harvard College Obs. WILLOWS CALIF.	1 Jan 1889			4 x 5	21 mm	P-208
HC-1889a-2	"	"			"	"	P-209
HC-1889a-3	"	"			"	"	P-210
HC-1889a-4	"	"			"	"	P-250
HC-1889a-5	"	"			4 x 5	5.5 mm	P-623
HC-1889a-6	"	"			"	"	P-626
HC-X-1	Harvard College Obs.				4 x 5	21 mm	P-445 Silver Mariner
HC-X-2	"				"	"	P-446
HC-X-3	"				"	"	P-447
L-1932-A4	Lick Obs. Fryeburg Maine	31 Aug 1932		10 <sup>s</sup>	6 1/2 x 8 1/2 in	43 mm	A-4 E33
L-1932-A5	"	"		6 <sup>s</sup>	"	"	A-5 E40 "good"
L-1932-A6	"	"		20 <sup>s</sup>	"	"	A-6 E33
L-1932-A7	"	"		2 <sup>s</sup>	"	"	A-7 Process "good of large prominences"
L-1932-C2	"	"		1 <sup>s</sup>	"	"	C-2 33 "best for all prominences"
L-1932-C3	"	"		3 <sup>s</sup>	"	"	C-3 E33
L-1932-C4	"	"		10 <sup>s</sup>	"	"	C-4 E40
L-1932-C8	"	"		15 <sup>s</sup>	"	"	C-8 E33 "Best"
L-1932-A2	"	"		1 <sup>s</sup>	6 1/2 x 8 1/2 in	43 mm	A-2 1 <sup>s</sup> E40 Marked N & S.

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## SOURCES

L	Lick Observatory, Mt Hamilton	1889a, 1889b, 1893, 1898, 1900, 1901, 1905, 1908, 1918, 1922, 1932
MW	Mt Wilson Observatory	1918, 1925
NO	US Naval Observatory	(1878) 1937
"	US Naval Obs. in National archives	1878
H	High Altitude Observatory	1962, 1963, 1965, 1966
A	University of Arizona, Tucson	1923
NRL	Naval Research Laboratory	1952
HC	Harvard College Observatory	1869, 1870, 1889a, 1896
Y	Yerkes Observatory	



TOTAL ECLIPSES SINCE PHOTOGRAPHY

1851	July 28					
1852	Dec 11					
1853	Nov 30					
1854	Nov 20					
1856	Apr 5					
1857	Mar 25					
1858 <sup>a</sup>	Mar 15					
1858 <sup>b</sup>	Sep 7					
1860	July 18					
1861	Dec 31					
1864	May 6					
1865	Apr 25					
1867	Aug 29					
1868	Aug 18					
1869	Aug 7	HC	3			
1870	Dec 22	HC	2			
1871	Dec 12					
1872	Nov 30					
1874	Apr 16					
1875	Apr 6					
1876 <sup>a</sup>	Mar 25					
1876 <sup>b</sup>	Sept 17					
1878	July 29	NO	9			
1880	Jan 11					
1882	May 7	Y	1			
1883	May 6					
1885	Sept 8					
1886	Aug 29					
1887	Aug 19					
1889 <sup>a</sup>	Jan 1	L	3	HC	6	Y 1
1889 <sup>b</sup>	Dec 22	L	3			
1890	Dec 12					
1891	June 6					
1892	Apr 26					
1893	Apr 16	L	7			
1894 <sup>a</sup>	Apr 6					
1894 <sup>b</sup>	Sept 29					
1896	Aug 9	H	2			
1898	Jan 22	L	6	Y	1	



1950	Sept 12				
1952	Feb 25	NRL	4	Y	1
1954	June 30				
1955	June 20				
1956	June 8				
1957	Oct 23				
1958	Oct 12				
1959	Oct 2				
1961	Feb 15				
1962	Feb 5	H	3		
1963	July 20	H	5		
1965	May 30	H	3	Ames	
1966a	May 20				
1966b	Nov 12	H	6		
1968	Sept 22			French	
1970	Mar 7	HAC			
1972	July 10	LASL			
1973	June 30	HAC			

6<sup>s</sup>