

400
-69
336

Telescope: 61"

Frame prefix #: FE86C

Day of Week: wed/thur RA offset: 1.7^hW

Focus: 3610

Humidity:

Sheet #: 17-1

Observers: Marcialis
Schultz

Date MST/OT: Mar 19/20

Dec offset: 5:49
South

Tailpiece: 17

Balance: 63

Temp @ I: 27/32

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓001	COMP	60	V	17400 2700	6:36:04	14:40:11.5	01:46:52	3 ^h 26 ^m	
✓002		90	"	11400 3800	42:03			3 ^h 32 ^m	
✓003	Pluto	60	"	11100	47:52	14:40:03.0	02:11:08	3 ^h 26 ^m	
✓004	"	"			55:03			3 ^h 19 ^m	
✓005	"			11400 2400	56:58			3 ^h 10 ^m	
✓006	COMP	90			7:01:11			3 ^h 13 ^m	
✓007					04:29			3 ^h 09 ^m	
✓008	DARK	1	N/A						
✓009	Pluto	60	V		09:03			3 ^h 08 ^m	1:58.9 24:16.4
✓010	"	"			14:26	14:40:03.8	2:11:09	2 ^h 59 ^m	
✓011	"	"			18:49			2 ^h 55 ^m	
✓012					20:43			2 ^h 53 ^m	
✓013	DARK	1	N/A						
✓014	COMP	90	V		25:29			2 ^h 53 ^m	
✓015	COMP	"	"		47:29	14:40:11.5	1:46:52	2 ^h 26 ^m	Filled dewar wrote images

↑ ALL TIMES FOR NIGHT ON LOGSHEETS ARE 13^s FAST.

Telescope: 61"

Frame prefix #: FR66C Day of Week: Wed/Thur RA offset:

Focus: Humidity: Sheet #: 2
Tailpiece: Temp #/I:

Observers: Macclatis
Schultz Date MST/OT: Mar 19/20 Dec offset:

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓016	COMP	90	V		7:53:43	14:40:14.6	01:46:10	2 ^h 20 ^m	
✓017	DARK	1	N/A						
✓018	Pluto	60	V		56:29	14:40:08.0	2:10:26	2 ^h 15 ^m	
✓019	"	50		17500 1800	8:07:39	14:40:06.5	2:11:00	2 ^h 06 ^m	
✓020	"	11			10:04			2 ^h 04 ^m	
✓021	"	11			11:47			2 ^h 02 ^m	
✓022	"	11			13:29			2 ^h 00 ^m	
✓023	DARK	1	N/A						
✓024	COMP	90			17:12	14:40:13.8	01:47:18	1 ^h 56 ^m	
✓025					22:33	14:40:11.8	01:46:52	1 ^h 51 ^m	
✓026	Pluto	50		11200	32:13	14:40:05.2	02:10:36	1 ^h 41 ^m	
✓027		11			35:38	14:40:06.5	02:10:54	1 ^h 38 ^m	
✓028		11			37:22			1 ^h 36 ^m	
✓029		11			39:02			1 ^h 35 ^m	
✓030					40:45			1 ^h 33 ^m	

Telescope: 61"

Frame prefix #: FR86C

Day of Week: wed thru RA offset:

Focus:
Tailpiece:
Balance:

Humidity:
Temp @/I:
Sheet #: 3

Observers: Marcialis
Schulz

Date MST/OT: Mar 19/20 Dec offset:

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓031	Danz	1	N/A						
✓032	Comp	30	V		8:52:00	14:40:28	01:45:30	1 ^h 21 ^m	
✓033		20		8500	54:25			1 ^h 19 ^m	
✓034		11		9400	55:58			1 ^h 18 ^m	
✓035	Pluto	50	V	10400	9:00:52	14:40:05.6	2:10:45	1 ^h 13 ^m	
✓036	11	11	11		02:52			1 ^h 11 ^m	
✓037		11	11		04:32			1 ^h 09 ^m	
✓038		1	11		06:11			1 ^h 07 ^m	
✓039		11	11		07:51			1 ^h 06 ^m	
✓040	Comp								
✓041	Comp	20	V		14:38	14:40:9.6	01:45:30	0 ^h 59 ^m	
✓042		11	11		15:47			0 ^h 58 ^m	
✓043		11	11		16:57			0 ^h 57 ^m	
✓044	Danz	1	N/A						
✓045	Pluto	50	V		19:44			0 ^h 54 ^m	

Telescope: 61"

Frame prefix #: FR96C

Day of Week: wed/thur RA offset:

Focus:

Humidity:

Sheet #: 1

Observers: Marcialis
Schultz

Date MST/OT: Mar 19/20 Dec offset:

Tailpiece:

Temp @/I:

4

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
4046	Pluto	50	V		9:21:23	14:40:06.6	02:10:44	0 ^h 52 ^m	
4047					23:03			0 ^h 51 ^m	
4048					24:50			0 ^h 49 ^m	
4049					26:30			0 ^h 47 ^m	
4050	Dwarf	1	N/A						
4051	COMP	20	V		9:32:16	14:40:08.8	01:45:30	0 ^h 41 ^m	
4052		11	11		33:27			0 ^h 40 ^m	
4053		11	11		36:10			0 ^h 37 ^m	
4054	Dwarf	1	N/A						
4055	Pluto	50	V		39:17			0 ^h 34 ^m	
4056		11	11		41:00			0 ^h 32 ^m	
4057		11	11	8300	42:40			0 ^h 31 ^m	
4058		11	11		44:45			0 ^h 29 ^m	
4059		11	11		46:25			0 ^h 27 ^m	
4060	DARIC	1	N/A						

Telescope: 61"

Frame prefix #: FR86C

Day of Week: Wed/Thur RA offset:

Focus:

Humidity:

Sheet #: 1

Observers: Marcialis
Schultz

Date MST/OT: Mar 19/20 Dec offset:

Tailpiece:

Balance:

Temp @/I:

5

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓ 061	COMP	20	✓		9:52:24	14:40:9.1	01:45:30	0 ^h 21 ^m E	
✓ 062		11	"		53:34			0 ^h 20 ^m	
✓ 063		11	"		54:44			0 ^h 19 ^m	
✓ 064	DARK	1	N/A						
✓ 065	PLUTO	50	✓		9:58:22	14:40:05.6	2:10:44	0 ^h 15 ^m	
✓ 066		"	"		10:00:10			0 ^h 13 ^m	
✓ 067		"	"		10:01:55			0 ^h 12 ^m	
✓ 068		"	"		10:03:36			0 ^h 10 ^m	
✓ 069	PLUTO	"	✓		10:05:15			0 ^h 8 ^m	
✓ 070	DARK	1	N/A		10:07:06				
✓ 071	COMP	20	✓		10:09:02			0 ^h 4 ^m	
✓ 072	"	"	"		10:10:57			0 ^h 3 ^m E	
✓ 073	PLUTO	50	✓		10:16:49	14:40:5.6	2:10:44	0 ^h 3 ^m W	
✓ 074	"	"	"		10:18:59			0 ^h 5 ^m W	
✓ 075	"	"	"		10:20:46			0 ^h 7 ^m W	

Telescope: 6" 11"

Frame prefix #: FR86C

Day of Week: wed/Thu RA offset:

Focus:

Humidity:

Sheet #: 1

Observers: Marcialis
Schulz

Date MST/OT: Mar 19/20 Dec offset:

Tailpiece:

Temp θ /I:

6

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓ 076	PLUTO	50 sec	V		10:23:56	14:40:05.6	+2:10:44	0 ^h 11 ^m W	
✓ 077	"		"		10:26:12			0 ^h 13 ^m W	
✓ 078	Danz	1	N/A						
✓ 079	comp	20	V		10:29:49	14:40:08.0	01:45:30	0 ^h 17 ^m	
✓ 080		"	"		31:21			0 ^h 18 ^m	
✓ 081		"	"		32:31			0 ^h 19 ^m	
✓ 082	Danz	1	N/A						
✓ 083	pluto	50	V		37:43	14:40:05.6	+02:10:44	0 ^h 24 ^m	
✓ 084		"	"		39:23			0 ^h 26 ^m	
✓ 085		"	"		41:03			0 ^h 28 ^m	
✓ 086		"	"		42:43			0 ^h 29 ^m	
✓ 087		"	"		44:23			0 ^h 31 ^m	
✓ 088	Danz	1	N/A						
✓ 089	comp	20	V		46:30			0 ^h 35 ^m	
✓ 090		"	"		49:39			0 ^h 36 ^m	

Telescope: 6" "

Frame prefix #: FR86C

Day of Week: wed / Thur RA offset:

Focus: Humidity:

Sheet #: 1

Observers: Marcia
Schultz

Date MST/OT: Mar 19/20 Dec offset:

Tailpiece: Balance: Temp ϕ /I:

(7)

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓ 091	COMP	20	V		10:50:50	14:40:08.0	01:45:30	0 ^h 37 ^m	
✓ 092	DARK	1	N/A						
✓ 093	Pluto	50	V		56:26	14:40:04.5	02:10:45	0 ^h 43 ^m	
✓ 094		"	"		58:06			0 ^h 45 ^m	
✓ 095		"	"		59:46			0 ^h 46 ^m	
✓ 096		"	"		11:01:33			0 ^h 48 ^m	
✓ 097		"	"		03:33			0 ^h 50 ^m	
✓ 098	DARK	1	N/A						
✓ 099	COMP	20	V		07:34			0 ^h 54 ^m	
✓ 100		"	"		08:56			0 ^h 56 ^m	
✓ 101					10:06			0 ^h 59 ^m	
✓ 102	DARK	1	N/A						
✓ 103	Pluto	50	V	$\frac{5100}{1200}$	16:06	14:40:09.5	02:10:40	1 ^h 03 ^m	
✓ 104				$\frac{4400}{}$	20:03			1 ^h 07 ^m	
✓ 105		70		$\frac{6200}{}$	22:43				see my bad but clear bad

Telescope: 61"

Frame prefix #: FRS66B

Day of Week: wed thru RA offset:

Focus: Humidity: Sheet #: 1

Observers: Marcialis
Schulze

Date MST/OT: March 19/20 Dec offset:

Tailpiece: Balance: Temp 61:25/30 8

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST/OT	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓ 106	PLUTO	80	V	7600	11:27:09	14:40:065	2:10:55	1:14 W	EXPOSURE INCREASED TO COMPENSATE FOR BIGGER IMAGES
✓ 107	"	80	V		11:30:12			1:17 W	
✓ 108	DARK	1	N/A		11:33:00				
✓ 109	COMP.	30	V		11:37:15				changed exposure time
✓ 110	"	30	"		11:39:12			1:26 W	
✓ 111	"	30	"		11:41:54			1:28 W	~6 px seeing
✓ 112	DARK	1	N/A		11:43:34			1:36 W	
✓ 113	PLUTO	80	V	6600/1500	11:49:01				
✓ 114	"	80	"		11:52:33			1:39 W	
✓ 115	"	80	"		12:04:34			1:51 W	~7 px seeing
✓ 116	DARK	1	"		12:10:11				
✓ 117	COMP	30	"		12:12:29			1:59 W	
✓ 118	"	30	"		12:14:26			2:01 W	
✓ 119	"	30	"		12:16:04			2:03 W	
✓ 120	PLUTO	80	"		12:19:56			2:07 W	

Telescope: 81"

Frame prefix #: FR86C

Day of Week: Wed/Thur RA offset:

Focus:
Tailpiece:
Balance:

Humidity:
Temp ϕ /I:
Sheet #: 9

Observers: Marcialis
Schultz

Date MST/OT: March 19/20 Dec offset:

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST/OT	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓ 121	PLUTO	80	V		12:12:14	14:40:08.6	+2:11:11	2:09W	
✓ 122	PLUTO	80	"		12:25:02				
✓ 123	DARK	1							
✓ 124	COMP	30			12:28:55			2:16W	
✓ 125	COMP	30			12:30:16			2:17W	
✓ 126	FLAT FLD	0.05	V	6600	13:05:38				TAKEN FROM SKY
✓ 127	"	0.05	V	8000	13:09:26				" " "
✓ 128	DARK	1	N/A	700	13:12:00				
✓ 129	DARK	1	N/A	700	13:14				
✓ 130	FLAT FLD	0.25	V	8000	13:25				
✓ 131	"	0.25	V	8000	13:27				
✓ 132	"	0.25	V	8000	13:28				set clock
✓ 133	"	0.25	V	8000	13:29				13 sec fast
✓ 134	"	0.25	V	8000	13:30				
✓ 135	PARK	1	N/A	690	13:34				

PADMASTER®
 Made in USA
 58mm eyepiece IRIS ~ 310

Telescope: 8mm lens

Frame prefix #: F866C

Day of Week: Thur/Fri

RA offset: ~0

Focus:

Humidity:

Sheet #: 1

Observers: FINK, DiSANTI

Date MST/OT: Mar 20/21

Dec offset: ~15

Tailpiece:

Temp 0/1:

10

Karkoschka

38

42

New type
1

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓ 136	α Leo	.5s	R		~8 ^h UT	10:07:39	+11:57:02	2:20	α Leo at ~ (500, 410) ^{see row}
✓ 137	β Her	0.1	"	7500	10:45	16:29:37	+20:31	1:13E	-571 504
✓ 138	LAN 84334	60	"		10:50:11	16:16:10	+13:44	0:55	67 pix = 1" (517 per pix) should be (433, 424)
✓ 139	"	120	"	obj ~ 5000	52:41			0:53	
✓ 140	"	"	"		56:38			0:49	
✓ 141	"	60	"		59:40			0:45E	
✓ 142	HALLEY	30	"	16000	11:28:30	19:38:30		3:39E	
✓ 143	"	"	"		32:40	19:34:30	-28:03:00	3:31	
✓ 144	"	5	"		36:31	27:55	03:13	3:20	find
✓ 145	"	5	"	11000	39:35			3:17	
✓ 146	"	30	"	sat/3000	42:43			3:14	find
✓ 147	"	60	"	sat/5000	47:05	19:24:20	-27° 00'	3:06	find
✓ 148	"	90	"	// 7000	53:38			3:00	find
✓ 149	"	11	"	// 7500	12:03:00			2:50	
✓ 150	"	60	"		06:39			2:47	

Telescope: 4-in f/6 lens.

Frame prefix #: FR86C Day of Week: Fri/Sat RA offset: ~~0~~ (reset clock) Humidity: 22 Sheet #: 12

Observers: Schultz, DiSanti, Karkoschka Date MST/OT: 2/22 Mar Dec offset: 46'S Balance: Temp #1: 37/42

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓ 167	LAN 84334	180	R	5100	16:21:04	16:16:01.5	13:57:55	1 ^h 2 ^m	correct RA for offset reset clock (UT) was ~15' fast
168		11	11		28:28			1 ^h 14 ^m	
✓ 169		11	V	4400	32:40			1 ^h 10 ^m	
✓ 170		11			37:46			1 ^h 5 ^m	
✓ 171		11	I	4600	49:12			0 ^h 53 ^m	
✓ 172					53:30			0 ^h 49 ^m	
✓ 173		300	B	1500	57:30			0 ^h 44 ^m	
✓ 174	BS 6629	5	6185	4600	11:10:42			2 ^h 03 ^m	
✓ 175				1400	12:56	17:47:06.0	01:57:04	2 ^h 01 ^m	
✓ 176		10	6250	8600	14:51			1 ^h 59 ^m	
35.42 ✓ 177		11	11	8900	16:20			1 ^h 57 ^m	
43.27 ✓ 178	Halley	30	R	SAT	30:28			3 ^h 30 ^m	800 x 800
51.12 ✓ 179		10	11	10300 670	33:03				moved comet
58.98 ✓ 180		30	SAT	700	35:40				
66.83 ✓ 181		300	11	1400	37:53				

Telescope: 58mm lens

Frame prefix #: FR85C Day of Week: Sat/Sun RA offset:

Focus: Humidity: 23 Sheet #: 1

Observers: Fink Schultz Date MST/OT: MAR 22/23 Dec offset: 21° South

Tailpiece: Balance: Temp O/I: 38/42 (15)

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓ 203	Focus	1	R	$\frac{6100}{800}$		9:07:00.6	9:43:23		512 X 512
✓ 204		30	6185	$\frac{7450}{800}$					K Cnc
✓ 205	BS 5511	10	6185	$\frac{7800}{800}$	10:18:47	14:45:34.6	00:56:46	0 ^h 11 ^m W	Topped off dewar 2:35 A.M.
✓ 206			II	$\frac{7800}{800}$	20:35			0 ^h 12 ^m	
✓ 207		5	5139	$\frac{9200}{800}$	23:33			0 ^h 15 ^m	
✓ 208			II	$\frac{10000}{707}$	24:59			0 ^h 17 ^m	
✓ 209			4565	$\frac{8500}{720}$	28:23			0 ^h 20 ^m	
✓ 210			II	$\frac{8900}{800}$	30:18			0 ^h 22 ^m	
✓ 211		0.3	R	$\frac{5900}{800}$	33:53			0 ^h 26 ^m	
✓ 212		0.4	II	$\frac{7400}{740}$	35:19			0 ^h 27 ^m	
✓ 213		5	grating		43:20			0 ^h 35 ^m	512 X 512
✓ 214		10			51:24			0 ^h 43 ^m	
✓ 215	LAV 84334	60	R		11:04:52	16:16:11.2	13:44:11	0 ^h 34 ^m	
89.69 ✓ 216					07:45			0 ^h 31 ^m	
76.54 ✓ 217	Hallay	10	R	$\frac{Sat}{4000}$	22:38	19:29:49.0	-29:41:26	3 ^h 29 ^m	800 X 800

Telescope: 58mm lens

Frame prefix #: FR86C

Day of Week: Sat/Sun RA offset:

Focus:

Humidity:

Sheet #: 1

Observers: Fink
Schulz

Date MST/OT: Mar 22/23 Dec offset:

Tailpiece:
Balance:

Temp O/I:

15

NewTape →

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓218	Halley	3	R	6400	11:26:35	19:21:44.8	-29:41:44	3 ^h 17 ^m	
✓219		5		10300 2200	28:43			3 ^h 15 ^m	
✓220		100	6185	11300 2000	33:38	19:21:45.4	-29:42:16	3 ^h 10 ^m	
✓221		300	11	4000	38:03	19:17:50.0	-29:42:36	3 ^h 02 ^m	
✓222		11	11	3800	44:49			2 ^h 55 ^m	
✓223		30	5139	10000 940	52:50			2 ^h 47 ^m	
✓224		150	11	1800	55:38	19:17:48.0	-29:43:37	2 ^h 44 ^m	
✓225		300	11		59:18			2 ^h 41 ^m	3-pixels Fwidth
✓226		11	4565	1300	12:07:23	19:17:47.5	-29:44:14	2 ^h 33 ^m	
✓227		11	11	11700 1400	13:22	19:17:45.8	-29:44:33	2 ^h 27 ^m	
✓228		60	R	8000	21:16	19:17:44.8	-29:44:56	2 ^h 19 ^m	(piled)
✓229		30		5000	23:29			2 ^h 17 ^m	(piled)
✓230		5	Grating		29:01			2 ^h 11 ^m	
✓231		5			30:09				
✓232	Flat Field	5	R	9400					

Telescope: 61"

Frame prefix #: FR86C

Day of Week: Sun/Mon RA offset:

Focus:
Tailpiece: 17
Balance:

Humidity: 25 Sheet #: 1

Observers: Finic
Schultz

Date MST/OT: MAR 23/24 Dec offset:

Temp @11:40/43 (18)

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓243	LAN 84334	0.6	R	5000	11:05:44			0 ^h 26 ^m	Topped off dawn 3 A.M.
✓244		1.0	"	6000	07:24	16:16:15.5	14:38:40	0 ^h 26 ^m	
✓245		"	"	5400	08:45				
✓246		1.2	✓	5500	10:17				
✓247		1.6		7300	11:47			0 ^h 22 ^m	
✓248	Halley	5	R	8200	22:52			3 ^h 19 ^m	
✓249		10	"	9300 2200	30:33	19:24:26.4	-29:45:06	3 ^h 16 ^m	move tele
✓250		"			32:26			3 ^h 09 ^m	
✓251		60	6145		33:40			3 ^h 08 ^m	
✓252		240	"		35:45			3 ^h 06 ^m	
✓253		10	R		41:02			3 ^h 0 ^m	
✓254		3	"	Sat	42:36	19:24:24.6	-29:46:04	2 ^h 59 ^m	
✓255		1		6900	43:50			2 ^h 58 ^m	
✓256		300	6250		45:38			2 ^h 56 ^m	
✓257		"	6145		51:54	19:24:24.0	-29:46:37	2 ^h 50 ^m	

NOT PHOTOMETRIC

Telescope: 61"

Frame prefix #: FR86C

Day of Week: Sun/Mon

RA offset:

Focus:

Humidity:

Sheet #: 19

Observers: Fink
Schultz

Date MST/OT: Mar 23/24

Dec offset:

Tailpiece:

Temp ϕ /I:

Exp #	Object	Exp time	Filter Slit	Counts Object/Sky	Exp start MST	RA set	Dec set	Hour-Angle exp-start	Comments (P.A., seeing, Moon, clouds, etc.)
✓258	Halley	120	6185		11:57:51	19:24:22.3	-29:46:57	2 ^h 41 ^m	
✓259		3	R	Sat	12:00:57			2 ^h 40 ^m	
✓260		1		11300	02:19			2 ^h 39 ^m	
✓261		1	V	9400	03:47			2 ^h 37 ^m	
82.34 ✓262		3	"		04:54			2 ^h 36 ^m	
✓263		10	"		05:56	19:24:21.0	-29:47:22	2 ^h 35 ^m	
new ✓264		300	6185		07:12			2 ^h 34 ^m	
Tape ✓265	Dave	1	N/A	619					
✓266	Dave	1	N/A	637					did not move telescope
✓267	Flat Field	5	6185	9500					Flat Field Lamps at position of Halley on done
✓268		11	"	9300					
✓269		12	6250	9900					
✓270		11	"	9800					
✓271		0.2	R	8200					
✓272		11	"	8600					
✓273		0.3	V	8600					
✓274				8500					

NOT PHOTO METRIC