

Frame prefix: SP96E

Telescope: 61"

3740

Sheet #: 1

Date: Friday June 14/15

Focus: 300
Iris: 300

Humidity: 73%

Observers: Hicks, Collins, Pink

Tailpiece: 350
Balance: 350

Temp: 40/44

Guidepoint: 392.7, 395
Specimen #: 4382

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
001	1910 MU	600	0.50	^{not 2100} 3550/1400/1100	04:27:45	10:52:20	+21 37 38	1.60	+03:47 13m f=19
002	"	1200	"	^{4300 300} 6000/1180/1300	4:41	52:27	+21 36 09	1.71	04:01
003	"	"	"	⁵¹⁰⁰ 5160/1620/1200	"	11:52:37	33:44	1.91	04:22 \rightarrow 2.18
004	Vesta	1.00	1.00u	14000/1100	5:23	14:48 18	-07 38 45	1.35	400:50
005	"	2.00	"	25600/1100	5:23				SLIT WRONG IN HEADER?
006	"	"	"	23000/	5:29				
007	"	"	"	23000/					
008	"	"	"	28000/1180	5:36				
009	"	"	"	24000/					
010	"	"	"	30000/1160					
011	"	"	"	26000/1200	5:39	"	"		
012	"	"	"	27800/1110	5:40	"	"	1.36	+01:64
013	RS 5908 Cap	1.00	"	36100/1200	5:51	16:16 54	+3 19 08	1.00	+00:04 - fog bank and hit the 303 platform - Bolt slanted off
014	"	"	"	37000/					
015	"	"	"	32000/1220					
016	"	"	"	28000/					
017	"	"	"	23000/					
018	"	"	"	23000/1180	5:57			1.00	+00:09
019	RS 6060 Cap	1.00	"	25500/1200	6:05	16:15 25	-08 21 44	1.32	00:00
020	"	"	"	26500/					
021	"	"	"	29000/					
022	"	"	"	30000/					
023	"	"	"	23000/	6:07				
024	"	"	"	25000/					
025	"	"	"	28000/	6:09				
026	"	"	"	25000/					
027	"	"	"	26000/	6:11			1.32	00:08
028	^{COMP} SAO 1000-38	3.00	1.00	20000/1200	6:18	12:18 27A	+16 34 13	1.92	+04:12

Frame prefix: **SP96E**

Telescope: **01**

Sheet #: **2**

Date: **Fridy Jul 14/15**

Focus: **3700**

Iris: **30**

Humidity:

Tailpiece:

Balance: **20**

Temp:

Observers:

Guidepoint:

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
029	SAO 100038	30	1.0	18150				1.94	9:13
030	"	40	"	26000	6:20			1.95	
031	"	40	"	21000	6:22			1.97	
032	"	"	"	2670/120	6:23			1.98	
033	RS 6629 Star	0.25	1.0	2450		17:47:43	+02:42:22	1.19	-9:20
034	"	"	"	2400	6:33				
035	"	"	"	2800					
036	"	"	"	2340	6:35				
037	"	"	"	2230/120	6:38		"	1.19	-10:59
038	Kupff	600	0.50	6750 ¹⁴⁰ /120	6:43	19:10:57	-16:30:38	1.95	
039	"	600	"	790/450/1310	6:59	"	"	1.88	-02:09
040	"	1200	"	1090/1050/120	7:26			1.81	-01:18 DEC MOTOR STICKS
041	"	"	"	1200/1080/1000				1.71	-> 1.63 GUIDER CALIB JUMP IN EAST
042	Hab-Bayer	600	0.50	2800/160/130	7:58	19:14:22	-13:26:02	1.50	-01:02
043	"	900	"	5400/180/1300	8:10			1.47	-00:57
044	"	"	"	5400				1.45	-00:34
045	"	600	"	3700	8:42			1.44	-00:19 DARK SLIDE IN
046	"	600	"	30000	8:53			1.43	-00:07 9:28:10
047	Icarus	1200	"	7900/1600/1400	9:15	19:18:29	-17:33:41	1.55	cloud starts to move up. and Icarus
				clouds may in	extinct exposure abt 10 min.				

Frame prefix: SP96E

Telescope: 61"
Date: Sat Jun 15/16

Focus: 3800
Iris: 3.0
Tailpiece: 210
Balance: 350

Sheet #: 3

Humidity: 52

Observers: Hicks, Collins, Fink

Temp: 59/63

Guidepoint: 392.2, 19T

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
048	1910 Mu	1200	0.50	^{-1500 400} 3630/2130/1730	4:170	11 04 36	18 50 15	1.77	4:04:02 photo 6000! 1300 $\sigma=24$
- got started around 8 MST (3:07) but spec camera had high fluctuating between 1600 and 2900 mPA noise level 30-40, had horizontal streaks in display; turned power off for 20 min; checked voltage w. meter OK this finally seemed to stabilize but then a band of clouds moved through									
049	1910 Mu	1200	0.50	^{-1300 400} 3200/1920/1570	5:11			1.99	$\rightarrow 2.31$ 4:04:22 ER 387 $\sigma=35$
050	Vesta	20	1.0	16000/1180	5:49	14 48 W	-07 43 36	1.59	01:18 12:19 $\sigma=23$
051	"	20	"	24500/1140					
052	"	30	"	23000/1130					
053	"	30	"	36400/1140	5:57				$\sigma=24$
054	"	30	"	38500/1110	5:59			1.42	
055	"	30	"	36400/1180					$\sigma=22$
056	"	"	"	34300/1160	6:01			1.42	01:30
057	BS 6060	10	"	25000/1105	6:15			1.32	01:18
058	"	"	"	28000/1130	6:17				$\sigma=25$
059	"	"	"	19500/1106	6:18				$\sigma=25$
060	"	"	"	25300/1117	6:19				
061	"	"	"	28000					
062	"	"	"	24300	6:22				
063	"	"	"	23000	6:23				$\sigma=26$
064	"	"	"	12000/1119	6:24			1.33	01:25 fat phone
065	SFO 10088	30	1.0	14500/1120	6:39	12 18 55	+16 34 10	2.19	
066	"	40	"	15800/1100	6:35			2.21	4:04:33
067	"	60	"	25000/1130	6:36			2.23	
068	"	"	"	20900/1140	6:37			2.25	4:04:25
069	"	"	"	21000/1150				2.27	04:36 $\sigma=26$
070	"	"	"	18700/1119	6:41			2.31	4:04:39

Frame prefix: SP96E

Telescope: 61"

Sheet #: 4

Date: Sat

Focus:

Iris:

Humidity: +4m

Tailpiece:

Balance:

Temp: 55/57

Guidepoint:

Observers: Hertz, Fink, Collins

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
071	RS 6029	0.30	1.0	19400 / 1100	6:52	17 47 43	+02 02 26	1.17	-0:38
072	"	"	"	21000 / 1105	6:55			1.16	-0:37
073	"	"	"	20195 / 11005	6:55				
074	"	"	"	29300 / 1050	6:58	"	"	1.16	-0:35 1260 $\sigma=27$
075	P/Kapff	1200	0.70	10470 / 1660 / 1300	7:05	19 17 26	-16 55 07	1.79	-0:55
076	"	"	"	7747 / 1630 / 1315	7:20.23			1.69	-0:54 JUMP 10 EAST - 2 MIN
077	"	"	"	7210 / 1260 / 1200	7:47			1.62	- cloud may be
078	¹⁵⁶⁶ ICARUS	1200	0.50	¹¹²⁷² 1915 1332	8:30	18:51:27	-19:55:11	1.63	- looks clear now
X	SEVERAL TIMES IN 078 WE LOST 1566 FOR A FEW MINUTES DUE								
X	TO CLOUDS, ALSO DEC MOTOR STICKS PERIODICALLY, I MOVE WEIGHTS								
X	UP								
079	ICARUS	1200	0.50	¹⁷²¹⁰ 2014 1377	9:01	18:50:58	-19:57:38	1.65	
X	079, BRIGHT * PASSING THROUGH, JUMP OUT OF SLIT - 2 MIN, CLOUDS AT END								
080	"	"	"	¹⁸²²² 1953 1307	9:24	18:50:38	-19:59:41	1.68	+0:50
081	"	"	"	¹⁹⁵³³ 1937 1322	9:45	18:50:18	-20:01:39	1.75	+1:12
9"	Alake not off: talk for 50 minutes shop delivery into accidently tripped at tray to cool his wife								

THUR DID NOT OPEN

Frame prefix: FR96E

Telescope: 61"

Focus: 3740

Sheet #: 1

Date: JUNE 14/15

Iris: 300

Humidity: 73%

Observers: HICKS, FINK, COLLINS

FRI

Tailpiece:

Temp: 40/44

Guidepoint: 392.7 395

Balance:

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
X	1990 MU	30	B/Di	18K phot	30 SEC	B/Di		1.83	+3:51
X	APPARENTLY THE SHUTTER STICKS CONSISTENTLY								
X	OPENING OR CLOSING BUT NOT BOTH EACH EXPOSURE								
X	THIS PROBLEM IS PERSISTING. 12K AT 2.19 AM UT 5:23								
X	WE FIND VESTA 550 000 PHOT IN 0.12 SEC								
001	P/KOPFF	15	B/Di	37K	6:45	19:16:58	-16:30:39	1.94	-02:19
002	"	"	"		6:52			1.89	
003	"	"	"		7:01	19:16:58	-16:30:44	1.81	
004	"	"	"		7:22	19:16:58	-16:30:45	1.72	
005	"	"	"		7:28			1.70	
006	"	"	"		7:37			1.66	
007	"	"	"		7:45			1.69	
008	HALE-BOPP	15	"	277K	7:54			1.50	-1:02
009	"	"	"		8:09			1.48	
010	"	"	"		8:20			1.46	
011	"	"	"		8:24			1.44	
012	"	"	"		8:44			1.44	
013	"	"	"		8:54	19:11:17	-13:25:36	1.47	

014

" " "

9:04

1.43

Frame prefix: FR96E

Telescope: 61"

Sheet #: 3

Date: JUNE 15/16

Focus:

Humidity: 52%

Iris:

Tailpiece:

Balance:

Temp: 59/62

Guidepoint:

Observers: HICKS FINK COLLINS SAT

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LHA, VME crashes, clouds, etc.
X	1990 MU		10K	M					
X	LOADS OF CLOUDS AROUND. DATA COMPROMISED?								
X	MAYBE CLEAR NEAR MU								
X	WE GO FOR VESTA PHOT DOWN 230%								
X	BAD BACK LAS A								
X									
21	91K-PPF	15	B/D	32K	7:12	19:17:26	-16:35:04	1.76	
22	"	"	"	31K	7:38	19:17:26	-16:35:14	1.65	
23	"	"	"		7:49	19:17:22	-16:35:13	1.61	
24	"	"	"	21K	8:08	19:17:23	-16:35:14	1.57	Dec off by -3.89N - want correct...
X	CLOUDS ROLL IN, THEN OUT, WE GO AFTER ICARUS								
X	95K IN 15 SEC								
X	STILL PROBLEMS W/ CLOUDS BUT AFTER PUTTING								
X	WEIGHTED UP DEC MOTOR FIN								
25	71WIRT	300	4R	16.4K	10:24	22:14:06	-22:46:20	1.96	
26	"	"	"		10:32			1.91	3790
27	"	"	"		10:40			1.88	WE MOVE FOCUS -10 3780 (BETTER)
28	"	"	"		10:49			1.85	55/57 3770
29	"	"	"	19K	10:58			1.82	

