

Frame prefix: SP95F

Telescope: 611

Sheet #: 1

Date: Nov. 23/24

Focus: 3740

Iris: 30

Humidity: 45%

Observers: Hicks/Fink

Thomsony (Thomsony)

Tailpiece:

Balance:

Temp: 46/49

Guidepoint: S9.5, 397

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.
F01	P/SN2	300	0.5m	6000/1200	1:39	20:09:27	-30:01:27	2.81	02:13 W <i>seeing quite good</i>
002	"	"	"	7180/1300	1:41			2.98	
003	"	600	"	11600/1300	1:47			3.08	02:25 W
004	"	"	"	11900/1300	1:57:15			3.29	02:35
005	"	"	"	11200/1300	2:07			3.54	02:45 W - 2:15
006	P/Charoyanur-Gra	600	"	3500/1300	2:46	22 42 39	-14 09 21	1.49	02:51 W
007	"	1200	"	5300/1900 ^x	2:57			1.52	01:02 W
008	"	"	"	5170/1900 ^x	3:17			1.57	1:22
009	"	"	"	5500/1900	3:38			1.65	1:43
010	"	"	"	4970/2000	5:59			1.75	2:04
011	P/Jacob-Mayer	"	"	2930/2000	4:28	00 37:21	-20 17 18	1.88	0:39 <i>not well guided</i>
012	"	"	"	3040/1930 ^{~1mm slit}	4:49			1.72	0:59
013	"	"	"	3000/2000 ^{~1mm slit}	5:09			1.79	1:20-1:00
014	BS88	2.0	1.0	2800/1300	5:37			1.67	02:03 W
184	"	"	"	1900	5:42			1.70	02:07
21	BS1262	"	"	36180		04:05:09	21 59 19	1.06	-01:14
21	"	"	"	38000	6:06			1.06	-01:10

Frame prefix:

Telescope:

Sheet #: 2

Date:

Focus:

Humidity:

Observers:

Iris:

Tailpiece:

Balance:

Temp:

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.
F022	BS 718 star	0.4	1.0	1800	6:12	22:27:19	08:26:36	1.10	00:31
⁰²⁵ 025	"	"	"	2200	6:15	"	"	1.11	00:35
026	CA 166 1376s	5.0	"	1400	6:30	00:14:11	-27:35:08	3.64	+3:03 GO
027	"	10.0	"	2500		"	"	3.67	
628 029	"	"	"	3000 3400	6:33	"	"	3.72 3.77	
030	BS 891 Cap	2.0	"	1400	6:40	23:31:21	-04:06:21	2.54	5:57
031	"	3.0	"	2100		"	"	2.57	8:58
032	"	"	"	2000				2.59	
033	"	"	"	2100	6:43	"	"	2.61	4:10
034	Object	12.0	0.50	5800/1750	6:57	02:56:18	14 20:06	1.07	100:09 slit wrong in header
035	"	"	"	3600/1700	7:17			1.09	1:10
036	"	"	"	3500/1700	7:39			1.13	
037	1991wa	6.00	0.50	5100/1460	9:39	4:55:35	14:40:50	1.12	101:31
038	"	12.00	0.50	^{2100 not} 4600/1700	9:44	"	"	1.15	01:43
039	"	"	"	"	10:11	"	"	1.20	2:04 ^{star close by} _{note $\sqrt{30}$}
040	"	"	"	3300/1800	10:31	4:55:16	14 52:18	1.26	2:25
041	1993bw3	12.00	0.50	3140/1740	11:10	11:09:06	42 10:23	1.28	-3:09
042	"	"	"	3000/1800	11:31	"		1.22	-2:48
043	"	"	"	3000/1700	11:57	11 09 06	42 09 47	1.16	-2:27

1.12 -2:07

Frame prefix: SP95F

Telescope: 61"

Sheet #: 3

Date: Nov 24/85
Friday

Focus:
Iris:
Tailpiece:
Balance:

Humidity: 48%

Observers: Ank/Hcke

Temp: 94/49

Guidepoint: 391-5, 397

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.
F044	Hach-Tr-Pe	3W	0.5	1900/1900	1:59	19 03 06	-25 19 24	4.11	03:27 light rains tel limit flashing
045	"	"	"	my 150 cont	1:45	"	"	4.38	light rains
046	"	"	"		1:51			4.64	3:39 EV all over sky
047	P/SWS	3W	0.5	net: 460 6260/1600		20:14:23	-29:47:24	3.45	2:43 EV quiet catching 3/5 impulses
048	"	3W	"	5630/1100	2:12			3.61 ^{3A6}	2:49
049	BSP1486p	2.0	1.0	27000	2:42	21:19:39	-26:22:00	2.57	2:13
050	"	"	"		2:42			2.54	
051	"	"	"	28000	2:45			2.56	2:16W
052	"	"	"	29000	2:45			2.57	2:17W
053	1995 Qus (Tr)	12W	0.5	2600/1600	3:10	22:04:42	19:11 09	1.95	1:57 -Tr Spectro opt
054	"	"	"	2300/1600				1.20	2:18
055	"	"	"		3:52	04	11	1.27	1:39
056	BS 508	1.0	1.0	20000	4:25	07:44 46	20 03 47	1.03	-00:30
057	"	"	"	16000					
058	"	"	"	22000					
059	"	"	"	24000/2000	4:29	"	"	1.05	-00:25
060	BS 8737	2.0	1.0	26000/1900	4:38	22:50:44	09:20:10	1.34	4:02:31
061	"	"	"	53000/1900					
062	"	"	"	38000					
063	"	"	"	35000/1900	4:43	"	"	1.36	02:37 dark 1140 $\alpha = 2$
064	3200 PHAEON	12W	0.5	600 net 1500	5:00	2:10:31	35 47 31	1.00	-00:18

Frame prefix: SP95 F

Telescope: 61

Sheet #: 4

Date:

Focus:

Iris:

Humidity:

Tailpiece:

Balance:

Temp:

Guidepoint:

Observers: Fnk, HZKS

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.
F065	Phaethon	1200	0.50		5:24			1.01	
F066	"	"	"						
F067	"	"	"	6000 2070/1480	6:03	21:13:29	35:46 31	1.02	to set \checkmark end other guiding prob Accidentally put 2 in slit for ~ 3mm
F068	"	"	"	5000 2023/1540	6:24			1.03	01:06
				Sat. Nov. 25/26	Saturday				
F069	Honda-Mika-Me	300	0.10	2800/2700	1:53	19:05:57	-25:15:49	3.88	03:22 W tel. limit flashing light cirrus
070	"	"	"	no visible wire 2700	1:59	"	"	4.12	03:28 W. No visible from rear of jet
071	"	"	"	2400	1:44			4.40	3:34
072	"	"	"	no visible wire	1:50			4.72	5.03 3:40 W
073	SW3	300	0.50	not 200 4170/2260	2:02	20:19:02	-29:33:03	3.30	2:58 W. quick cont. done by 3.5 for 1/2 sec
074	"	"	"	not 2400 4470/2050	2:08	"	"	3.44	2:44 W
075	"	"	"		2:14	"	"	3.59	2:10 W
	BS 7291	no		possibilities for comp	dec. they use all in Cirrus			waited till Cirrus dispersed	
076	Phaethon	1200	0.10	620 net 2340/1770	4:18	02 08 31	35:30 35	1.02	-00 54
077	"	"	"	620 net 2420/1800	4:39	"	"	1.01	-00 33
078	"	"	"	600 net 2430/1770	5:00	"	"	1.00	-00 12
079	"			2260/1460	5:21	"	"	1.00	+00 08 heavy Cirrus may in

Cirrus slightly heavier

Frame prefix: SP95F

Telescope: 61"

Sheet #: 5

Date: Sun Nov. 26/27

Focus: 3725
Iris: 3.08
Tailpiece: 210
Balance: 460

Humidity: 85

Observers: Hicks, Fink

Temp: 57/42

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.
080	Phaethon	1200	0.50	^{600 slit} 2240/1630	3:42	02 06 33	35 73 24	1.05	-01:24
081	"	"	"	2140/1650	4:02	"	"	1.03	-01:03
082	"	"	"	2107/1657	4:23	"	"	1.01	-01:43
083	"	"	"	2130/1710	4:47	2:06:27	35:12:43	1.00	guiding a little off
084	"	"	"	⁵⁰⁰ 2127/1634	5:08	"	"	1.00	+00:01
085	"	"	"	⁴⁰⁰ 2059/1605	5:28	2:06:24	35:12:11	1.00	
086	Objeto	"	"	^{at 1000} 3330/1620	6:09	2:48:02	13 49 22	1.06	+00:16
087	"	"	"	5300/1612	6:25	"	"	1.07	+00:37
088	"	"	"	3480/1660	6:45			1.08	+00:50
089	"	"	"	3490/1650	7:09			1.11	
090	BS1262	1.0	1.0	19000/2400	7:36	02:05:06	+21 58 10	1.02	01:32 shutter stuck again
091	SP85F091	"	"	23000/2500	8:48	"	"	1.09	01:55
092	" 092	"	"						
093	" 093	"	"	29000/2400					
094	094								
095	BS2141	"	"	19000/2400	08:53	06:05:53	+35 26 31	1.00	-00:11
096	"	"	"	"		"	"		
097	"	"	"	"		"	"		
098	"	"	"	20000/2200	8:59	"	"	1.00	+00:06

Frame prefix: SP95F

Telescope: 61"

Sheet #: 6

Date: Sunday
Nov 26/27

Focus:

Iris:

Humidity:

Tailpiece:

Balance:

Temp:

Guidepoint:

Observers:

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.
099	1991wa	120	0.50	^{not 5040} 4940/1860	9:26	04:33:10	18:59:01	1.14	01:58
100	"	"	"	4000/1860	9:47			1.19	2:15
101	"	"	"	3705/1830	10:07	04:32.47	19:01:18	1.26	2:35
103	RS 1662	10	1.0	1480/220	10:37	05 07 23	09 20 06	1.39	2:53
104	"	"	"						
105	"	"	"	13625/220					
102	"	"	"	13140/2130	10:42			1.35	2:35
106	1993bw3	1200	0.50	^{not 1500} 3250/1710	10:56	11:09:15	41:16:39	1.28	-3:11
107	"	"	"	2920/1760	11:17	"	"	1.22	-2:51
108	"	"	"	2998/1703	11:37			1.17 ^{1.12}	-2:29
<p>- took out slit assembly the next day, unrolled shutter wires. turned off power but 30 sec later - found that shutter black is broken off (fatigue!) shutter wire still gave good when took to ground - put slit assembly in, as close in previous position as we could. - did not reconnect shutter wires;</p>									

Very clear, photometric

Frame prefix: SP15F

Telescope: 61^A

Focus: 3350

Sheet #: 7

Date: Monday Nov-27/28

Iris: 203

Humidity: 50

Spec ϕ 395

Observers: Ank, H2Kc

Tailpiece:

Temp: 40/46

Guidepoint: 390, 397

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.	
109	Honda-Mikis-Ra	30	0.50		01:26	19:11:52	-25:07:19	+3:17 3.67	seeing bad on 2" H/W cloud into the main part right probably 10 K pixels 2 days ago	
110	"	"	"		01:32	"		5.91	+3:23	
111					01:45	"		4.10	at the half of slit! ground!	
112					01:10	RT	LOT	4.83	5.16	
113	- We found slit in part in wrong height; incorrect problem									Tap on 28/34 seeing quite bad! just may though
				Non guide part 3942, 397						
115	Jackson-Napier	30	0.50	not 410 1685/1920	3:20	00:46:15	-19:10:50	1.61	-0:22 Spec ϕ 394	
114	"	120	"	not 640 act 2590/1910	3:26	"	"	1.41	-0:16 seeing quite bad ~ 4"	
115	"	120	"	800 act 2650/1840/1230	3:42			1.60	tw 304 but very clear.	
116	"	"	"	800 act 2680/1910/1210	4:08			1.62	tw 25 Tap 28/32 F	
117	"	"	"	800 act 2740/1920	4:28			1.65	tw 46	
118	"			2770/1910	4:50			1.70	01:08 W	
119	BS 695	1.0	1.0	3760/3410	5:16	02 22 21	-23 50 21	1.79	-00:01	
120	"	0.6	"	2660/3210	5:18	"	"	"		
121	"	"	"	25000/						
122	"	"	"	2500/3500	5:21	"	"	1.79	+00:02	
123	BS 1262	1.0	"	2100/2590	5:29	04 05 11	+21 59 47	1.08	-01:31	
124	"	"	"							
125	"	"	"							

(THANKSGIVING)

Frame prefix: FR95F

Telescope: 61" THUR

Date: Nov 23/24

Focus: 3740 (DEC)
Iris: 3653 (4.53) Humidity: 45%
Tailpiece:
Balance: 470 Temp: 46/49

Sheet #: 1

Observers: HICKS, FINK (SANS GRUNDY)

Guidepoint: 391.5, 397

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	P/SW-3	30	B/D;	5K	1:31	20:09:19	-30:01:29	2.83	BEAUTIFUL
002	P/CHUR-GEN	60	P/Di	2K	2:40	22:42:33	-14:10	1.45	
003	P/Jack-New	60	B/D;	6K	4:25			1.27	
X	2201 OLJATD			19K phot in 60sec					
004	SS300	300	OPEN	34K	8:21	2:48:21	+20:15:42	1.20	
005	"	"	"		8:28	2:48:21	20:15:45	1.22	
006	"	"	"		8:34	2:48:21.4	20:16:09	1.24	
007	"	"	"		8:41	2:48:22.9	20:16:04	1.26	
008	"	"	"		8:47	2:48:22.9	20:15:41.5	1.29	
009	"	"	"	X	8:54	2:48:25.3	20:15:45.3	1.32	X BAD EXP
010	"	"	"		9:06	2:48:21:50	20:14:55.0	1.37	
011	"	"	"		9:13	2:48:22.5	20:14:48.0	1.40	
012	"	"	"		9:18	2:48:22.5	20:14:43.1	1.43-1.46	
013	"	"	"						
X	1991 WA 30		B/D;	15K phot in 30 sec					
X	1993 BW 3			11K phot in 60 sec					
014	P/SW 1	120	B/P;		12:40	10:47:04	4:18:43	1.24	
015	"	"	"		12:24			1.23	
016	"	240 ✓			12:42			1.20	

Frame prefix: FR95F

Telescope: 61"

Focus: 3730

Sheet #: 2

Date: Nov 24/25

Iris:

Humidity: 38%

Tailpiece:

Balance:

Temp: 44/49

Observers: Hicks, Fink

Guidepoint: 391.5 392

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	LOTS OF CIRRUS, WE HUNT FOR COMETS								
017	P/H-M-P	30	B/Di		1:40			4.67	
X	OKAY, FOUND AT MARSDEN POS, FAINT COMA								
X	LOOK FOR SW3								
018	P/SW3	30	B/di	10K ^{hot}	2:05			3.43	
X	WE HUNT FOR AN FND TIM'S ASTEROID								1975 Q43
X				3K phot	IN 30 SEC				
X	WE FIND			3200 PHAETHON		3K phot			IN 30 SEC
019	3200 Phaethon	30	B/di		1:55	02:10:34	35:47:34	1.00	
020	"	"	"		5:05			1.00	
021	"	"	"					1.00	
									DR. Fink says cirrus getting worse
									2+ 6:31 cirrus getting heavier and heavier
070					6:44			1.05	

Frame prefix: FR95F

Telescope: 61"

Sheet #: 3

Date: Nov 25/26

Focus:

Humidity: 48%

Iris:

Tailpiece:

Balance:

Temp: 46/50

Guidepoint: 391.5, 397

Observers: HICKS, FINK

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.
080	P/H-M-P		Phot	4-5	in 30 sec				
080	"	30	B		1:44			4.44	
081	P/SW3	30	B/Di		1:59	75K phot		3.27	
X	WE WAIT TWO HOURS FOR IT TO CLEAR GO FOR PHAETHON								
X	3200 PHAETHON 2500 phot in 30 sec								
082	3200 Phaethon	30	B/Di		4:25	2:06:30	+35:30:31	1.02	-0:48
X	CLOUDS TOO THICK TO CONTINUE								
X	AFTER A FEW HOURS I CONTINUE ON JIM'S OBJECT								
126	SS300	300	V	8.2K	8:03	2:48:35	19:30:12	1.18	+2:11
127	"	"	"	8.1K				1.20	
128	"	"	"	8.2K	8:16	2:48:31	19:30:07	1.21	
129	"	"	"		8:22	2:48:38	19:30:02	1.23	
130	"	"	"	9.6	8:29	2:48:33	19:29:57	1.26	
131	"	"	"	15K	8:35	2:48:37	19:29:52	1.20	
132	"	"	"	21K	8:42		19:29:47	1.30	
X	1991 WA			4K phot	in 30 sec				

↓ SKY COMING UP!

