

Frame prefix: 95E

Telescope: 61"

Sheet #: 1

Date: SEPT 25/26

Focus: 3790 (BASE OF SCOPE)

Iris: 304

Humidity: 65%

Tailpiece:

Balance:

Temp:

Guidepoint: 393.5, 397

Observers: HICKS, GRUNDY, FINK MON

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	HALE-BOPP	300	0.5	5.8K pk 1.4K sk	3:21	18:16:01	-29:31:31	2.67	CLOCK WRONG - 1/2 hour LHA = 2:00 HEADER
002	"	600	0.5	12.4K 1.9K	3:26	18:16:01	-29:31:23	2.73	
003	"	"	"	11.1K 1.9K	3:37	18:16:01	-29:31:24	2.88	
004	"	"	"	10.0 1.9K	3:48	18:16:00	-29:31:23	3.06	
005	"	"	"	2.5 1.9K	3:58	18:16:00	-29:31:22	3.27	-3.52
006	B 562316	1.0	0.5	2.4	4:15	18:17:07	-28:17:30	3.46	COMP STAR
007	"	1.0	1.0	10.0	4:19			3.57	OPEN SLIT TO AVOID DIFF REF
008	"	3.0	1.0	25.4	4:21			3.60	DIFF ALONG
009	"	3.0	1.0		4:22			3.63	SLIT
010	"	3.0	1.0	31 K	4:23			3.65	
011	"	2.0	1.0	18 K	4:24			3.72	CENTER BY EYE
012	"	"	"		4:25			3.74	↓
013	"	"	"					3.76	
014	"	"	"		4:26			3.80	
015	"	3.0	1.0	24 K	4:33			4.02	
016	"	3.0	1.0	25	4:34			4.05	
017	"	"	"		4:35			4.09	
018	"	"	"	24 K	4:36			4.14	

Frame prefix: **98E**

Telescope: **61"**

Focus: **3790**

Sheet #: **2**

Date: **SEPT 25/26**

Iris: **304**

Humidity:

Observers: **HICKS FINK
GRUNDY**

MON

Tailpiece:

Temp:

Guidepoint: **393.5 397**

Balance:

Exp. #	Object	Exp. time	Filter (slit)	Counts: Peak/Phot	UT time Start	RA α	Dec δ	SecZ	Comments: seeing, moon, LIIA, VME crashes, clouds, etc.
19	7291	1.0	1.0	417K	4:42	19:15:18	-24:11:16	2.45	
20	"	"	"	23K	4:44			2.46	
21	"	"	"		4:45			2.48	
22	"	"	"	30K	4:46			2.49	
23	STD 7906	0.5	1.0	40K	4:50	20:34:26	15 5348	1.08	
24	"	0.4	1.0	33K	4:51			1.08	
25	"	0.4	1.0	30K	4:52			1.08	MAY BE OUT OF SLIT
26	"	0.4	1.0	38K				1.08	
27	"	0.4	1.0	45K				1.08	
28	COMP 7291	2.5	1.0	34K	4:56	19:15:18	-24:11:27	2.62	
29	"	"	"					2.64	
30	"	"	"					2.65	
31	"	2.5	1.0	29	5:17			2.49	
32	"	2.5	1.0	27K	5:18			3.01	
33	"	"	"	31				3.04	
34	"	"	"					3.04	
35	STD 8634	0.3	1.0	47K	5:25	21:41:18	110:48:27	1.08	
36	"	0.2	1.0	31K	5:26			1.08	
37	"	"	"		5:27			1.08	
38								1.08	

4391

Frame prefix: 895E

Telescope: 61"

Sheet #: 3

Date: SEPT 25/26

Focus:

Humidity:

Iris:

Tailpiece:

Balance:

Temp:

Guidepoint:

Observers: HICKS GRUNDY FINK MON

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.
39	P/JACK - NEUJ	300	0.5	1.4 1.2	5:47	22:16:53	-20:17:55	1.66	BAD IN DEC
40	"	600	0.5	1.7 1.4	5:55			1.67	KIND OF HARD P. BAD DEC GUIDING
41	"	1200	0.5	2.9 2.5	6:07			1.69	
42	"	"	"	4.6 3.6	6:29			1.74	BETTER DEC GUIDING
X	DR FINK KILLS POWER, THE SPEC								
X	DOWAR IS COMPRESSED AGAINST RAIL, WE								
X	ROTATE FLY WHEEL, GET OUT OF DANGER								
X	BUT SPECTRUM IS SHIFTED (393, 156)								
43	SPECTRUM SHIFTED, BLUE CUT OFF MOVED								
X	WE TRY TO FIX SPEC BY ROTATING PLATE THAT								
X	HOLDS GRATING AND CAMERA MOUNT								
44	SPECTRUM BAD, WE MOVE OPPOSITE DIRECTION (393, 118)								
X	IN SP95E034 OIA BAND COL 412								
45									
X									
046	P/D'ARRES	600	0.5		8:54	01:48:53	-34:30:08	2.70	-2.76
047	"	600	0.5		9:06			2.78	-2.88

clouds for a while,

Frame prefix: SP95E

Telescope: 61^H

Sheet #: 9

Date: Mon Sept.

Focus:

Humidity:

Iris:

Tailpiece:

Balance:

Temp:

Guidepoint:

Observers: Fink, Hicks, Grady

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	P/ole Kian	30s	0.5	190/1000	11:26 ^{9:26MT}	09:36:11	06:37:34	4.40	-5:15 ^m
049	"	300	"	530/1070	11:30	39:12	06:37:43	4.23	-5:11
050	"	"	"	990/1100	11:37	39:13		3.85	-5:05
051	"	600	"	1950/1150	11:43	39:15	38:21	3.56	-4:59
052	"	"	"	2100/1160 ^{12:00}	11:54 ^{12:00}			3.13	-4:48 0542 07 472
053	"	"	"	3170/200 ¹¹²⁰ 1120	12:05 ^{12:05}	39:23	39:21	2.79	-4:37 0542 07 725
054	"	300	"	1330/510 ¹²²⁰ 1220	12:16			2.54	-4:26 0542 07 000
055	"	"	"	2310/750 ¹²⁰⁰ 1200	12:22			2.41	-4:20 05 07 000 2:32 / 4:16
056	Rc 5700	200	"	3600/1100	12:32	09:27	-06:02	2.73	-3:19 2000
057	"	"	"	3900	12:33			2.70	
058	"	"	"	4900				2.67	2251 +1-
059	"	"	"	2900	12:35			2.65	-3:16
060	"	"	"		12:36			2.63	
061	"	"	"	3900	12:37			2.61	
062	"	"	"	9000	12:38			2.59	bad
063	"	"	"	4600	12:43 ^{5:45}			2.48	-3:47
064	"	"	"	9000	12:44 ^{5:45}			2.45	-3:46 bad

E399

Frame prefix: SP95E

Telescope: 61"

Sheet #: 5

Date: ^{Sept 26} 26/27
SEPT

Focus: 2787
Iris: 304
Tailpiece:
Balance: 200

Humidity: 55.65%

Observers: HICKS
GRUNDY PINK

Temp: 1 1/2 ~~EA~~ 70.65/67 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.
65	BS 6836	2	0.5	18K	2:05	18:17:09	-28:17:29	2.10	SHOOTING THROUGH CLOUDS NOT PHOT
66	"	2	0.5	12K				2.11	
67	"	3	"	19K	2:09			2.11	
68	"	3	"					2.11	
69	HALE BOOP	600	0.5	12.4 1.7	2:12	18:15:59	-29:28:47	2.25	actually quite clear. thin crescent from just setting
70	"	"	"	11.62 1.7K	2:23			2.30	
71	"	"	"		2:44			2.37	
72	"	"	"		2:54			2.45 - 2.52	
73	BS 6836	3	1.0	25K	3:09	18 17 08	-28 17 33	2.46	
74	"	"	"	26K	3:10			2.46	
75	"	"	"	25K				2.47	
76	"	"	"					2.49	
77	HALE BOOP	600	0.5		3:17	18:15:38	-29:28:43	2.66	
78	"	"	0.5		3:29			2.81	
79	"	600	0.5		3:41			2.99 - 3.18	
80	BS 6836	3.0	1.0	24K	3:59	18:17:08	-28:17:24	3.06	LHA 2:36
81	"	"	"					3.08	
82	"	3.0	1.0						

83

" " "

3.11

Frame prefix: SP95E

Telescope: 61"

Sheet #: 6

Date: 26/27

Focus: 3787

Humidity:

Observers: HICKS, GRUNDY
PINK

SEPT

Iris:

Tailpiece:

Balance:

Temp:

Guidepoint: 393,5 397

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.
84	Jackson Benjamin	600	0.5	1531 1246	4:49	22:18:45	-20:39:27	1.68	WILL SAYS DEC CLIMB
85	Jackson Benjamin	1200	0.5	2348 1466	5:08			1.66	
86	"	"	"	2531 1476	5:28			1.66	
87	"	"	"	2K 1.5K	5:50			1.68	
88	(comp) BS 8544	2.0	1.0	324	6:20	22:20:23	-16:45:43	1.58	
89	"	"	"		6:21			1.58	
90	"	"	"		6:21			1.58	
91	"	"	"		6:22			1.58	
92	"	"	"		6:23			1.58	
93	6TD BS 8634	0.3	1.0	30K	6:20	22:41:19	10:48:32	1.09	
94	"	"	"		6:30			1.10	
95	"	"	"	284	6:31			1.10	
96	"	"	"		6:32			1.10	
97	"	"	"					1.11	
98	D'ARREST	600	0.5	3037 1324	7:11	00:48:52	-34:39:05	2.61	CLOUD FAR TO SOUTH
99	"	1200	0.5		7:23	about 800 sec of integration		2.57	LHA - 0:26 darkslide in
	next night (Wed) was fairly clear with heavy thunderstorms								360 sec. remain
	TIME 2:36:40 clouds when dark slide in so lost 390 sec								

Frame prefix: SP15E

Telescope: 61"

Focus: 3770

Sheet #: 7

Date: Th Sept. 28/29

Iris: 300

Humidity: 93%

Tailpiece: 650

Temp: 45/80

Balance: 200

Guidepoint: 393.7 397

Observers: Fink, Hicks

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.
100	BS 6836	800	1.0m	15500/1000	02:51	18:17:09	-29:17:02	2.38	1:49 have my transfer 1/2 page
101	"	"	"	14000/	02:52	"	"	2.39	
102	"	"	"	12120/	02:54	"	"	2.40	1:49
103	"	"	"	12500/	02:55	"	"	2.41	1:45
	trial								Had Bapp but it clouded over; then set up a Tim's astrowid
104	95/903	600	0.5		04:23	21:42:53	+21:30:58	1.02	clear window fogged. (1) normal rusty clouded it up
105	BS 7406	0.5	1.0m	35000	5:02	20:19	15:53	1.12	01:58 E
106	"	"	"	30800	5:09			1.12	
107	"	"	"	50800	5:10			1.13	
108	"			37900	5:11			1.13	Av. = 1127 S = 25
109	95/903	300	0.5	not 2000 1520/1320	5:19	21:42:51	21:50:53	1.03	N:44 W
110	"	600	"	not 200 1660/1400	5:26			1.04	N:51 E:294 S=29
111	"	1200	"	not 500 20450/1900	5:37			1.05	01:02 E= S=54
112	"	"	"	2100/1210	5:58			1.07	01:25 S=31
113	"	"	"		6:19	21:42:48	21:50:45	1.11	01:44
114	BS 8792	1000		1400/	6:43			1.09	01:44 no good
115	"	1000	0.5	36000				1.09	01:50
116	Dark	10	see	dark					11:50 Dark S=17 cloud

394

393

393

392

393

done open: 10:22 S=20
cloud: 10:26 S=18

= 17

Frame prefix: SP95E

Telescope: 61"

Sheet #: 8

Date: Fri

Focus: 3760

Humidity: 80%

Observers: Hides Fink GRUNDY Sept 29/30

Iris:

Tailpiece:

Balance:

Temp: 47.50

Guidepoint: 393.7, 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.	
116	BS 7569	3.0	1.0mm		2:16	19:51:57	11:37:01	1.07		
117	COMP "	"	"		2:17			1.07	SEEING BAD	
118	"	"	"		2:16			1.07	WIND ~15mm	
119	"	"	"	17K	2:20			1.07		
120	COMP BS 6836	3.0	1.0mm	8K	2:31	18:17:11	-28:17:44	2.26	} CONDENSATION ON WINDOW	
121	"	"	"					2.27		
122	"	"	"	6K	2:46			2.37		} WE
123	"	"	"					2.38		} still condensation
124	"	"	"	4K	2:51			2.41		
125	"	"	"	28K	3:10			2.59		
126	"	"	"	24	3:11			2.60		
127	"	"	"	25K	3:12			2.61		
128	"	"	"	was object	3:13			2.62		
129	HALS BOPP	600	0.5 0.75mm		3:21	18:15:56	-29:20:29	2.85	maybe condensation	
130	"	"	40x5	7730 2974	3:31			3.02	still condensation	
131	"	"	40x5	78132 2076	3:43			3.21	-3.48	
132	COMP BS 6836	3.0	1.0mm	23K	3:59	18:17:10	-28:17:35	3.43		
133	"	"	"		4:00			3.46		

Frame prefix: 5795E

Telescope: 61"

Sheet #: 9

Date: SEPT 24/36

Focus:

Humidity:

Iris:

Tailpiece:

Balance:

Temp:

Guidepoint:

Observers: FINK, GRUNDY, HICKS PRI

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.
131	87 6836	3.0	LD	1.25m	4:02			3.52	
135	"	"	"	↓				3.54	
136	"	"	"					3.56	
137	"	"	"		4:04			3.58	
138	"	"	"	28K				3.61	
139	"	"	"					3.64	
140	⁵⁷⁰ 7906 0.	0.5	1.0	83K	4:34	20:34:31	15:53:37	1.08	
141	"	"	"	43 K	4:36			1.08	
142	"	"	"					1.09	
143	"	"	"					1.09	
144	^{COMP} 8792	2.0	"		4:45	23:06:28	19:53:32	1.06	MAYBE BAD B-U
145	"	"	"	21K				1.06	
146	"	3.0	"		4:47			1.06	
147	"	3.0	"	304				1.06	
148	"	"	"					1.06	
149	7914	3.0	"	34K	4:52	20:40:30	19:55:12	1.09	
150	"	"	"		4:53			1.09	
151	"	"	120	36K				1.09	

Frame prefix: SP95E

Telescope: 61"

Sheet #: 10

Date: SEPT 29/30

Focus:

Iris:

Humidity:

Tailpiece:

Balance:

Temp:

Guidepoint:

Observers: FINK, GRUNDY, HICKS

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.
152	BS 7914	"	1.2" LD	344	4:55			1.09	
153	"	"	"					1.68	"SLIT GOOD FROM
154	JACKSON MEUTJIN	600	0.5		5:10	22:24:50	-21:43:01	1.70	NOW ON AFTER RESIDUAL fill up slower
155	"	600	0.5		5:25			1.70	still dim exposure
X	WE MOVE TO BS 7914 TO SEE IF OPTICAL PATH IS CLEAR. ALL								
X	SEEMS OKAY. WE TAKE A FEW EXP								
156	BS 7914	3.0	1.0	324	5:46	20:40:38	19:55:15	1.19	
157	"	"	"		5:47			1.19	
158	"	"	"		5:48			1.20	
159	"	"	"		5:48			1.20	
X	WE NOW GO TO STAR NEAR JN. CHECK IF GP IS OKAY, SEEMS SO								
160	BS 8544	3.0	1.0	414	5:52			1.55	
161	"	1.0	1.0	15K	5:53			1.55	
162	"	1.0	1.0					1.55	
163	"	2.0	1.0	274	5:55			1.55	
X	MYSTERY UNSOLVED, MOVE BACK TO JN								
164	JACKSON MEUTJIN	600	0.5	500	6:06	22:24:54	-21:43:39	1.76	
165	"	1200	0.5	2415 1787				1.81	1.86 end
166	"	1200	0.5	2500 1900	6:39			1.87	-1.976 end

Frame prefix: SP95E

Telescope: 61"

Sheet #: 11

Date: SEPT 29/30

Focus:

Humidity:

Iris:

Tailpiece:

Balance:

Temp:

Guidepoint:

Observers: HICKS, FINK, GRUNDY

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.
167	D'ARREST	600	0.5	2707 1616	7:08	60:49:08	-34:54:09	2.61	
168	D'ARREST	1200	0.5	4434 1887	7:19			2.59	LHA = -0:19
169	D'ARREST	1200	0.5	4197 1981	7:40			2.57	+0:02
170	D'ARREST	1200	0.5	4162 1969	8:00			2.60	
171	D'ARREST	1200	0.5	4393 1738	8:23			2.67	-2.78
172	JAO 192609	5.0	1.0	38K	8:47	00:33:33	-35:01:23	2.95	LHA = 1:25
173	"	"	"	37K				2.96	} Object NAME WRONG IN HEADER
174	"	"	"	31K				2.92	
175	"	"	"	33K				2.98	
176	"	"	"	34				2.99	
177	B5 695	1.0	1.0	30	8:56	2:22:20	-23:50:07	1.80	
178	"	"	"	30	8:57			1.80	
179	"	"	"					1.80	
180	"	"	"	30				1.80	
181	"	"	"		8:59			1.99	
182	2918	5.0	1.0	48K	9:37	7:36:24	5:52:10	3.16	LHA -4:47
183	"	"	"	30K	9:38			3.13	
184	"	"	"	43K				3.10	

Frame prefix: SP95E

Telescope:

Sheet #: 12

Date:

Focus:

Humidity: 80%

Iris:

Tailpiece:

Balance:

Temp: 90/94

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.
185	2918	5.0	1.0		9:40			3.06	
186	"	"	"	384	9:41			3.04	
187	BS 2626	8.0	1.0	614	10:01	9:08:32	26:38:36	3.96	
188	"	5.0	"	344	10:02			3.91	
189	"	"	"	31	10:03			3.86	
190	"	"	"	36	10:04			3.82	
191	"	"	"		10:05			3.78	
192	"	"	"					3.72	
193	DOME FLAT	1.0	2.0	37k					VARIAC 90
194	"	"	"	"					
195	"	"	"						
196	"	"	"						
197	DeVico	300	0.5		11:22	10:00:50	11:18:22	4.48	LHA 5:26 ^{TREETOPS} IN SCOPE
198	"	"	"	10k	11:27			4.12	
199	"	"	"	14k	11:33			3.79	OI 31k
200	"	"	"	15k	11:39			3.50	-3.31
201	"	"	0.25	10k	11:46			3.24	OI 25k
202	"	"	"	11k	11:52			3.02	OI 28k

Frame prefix: FR95E

Telescope: 61"

Sheet #: 3

Date: SEPT 27 1978

Focus:

Humidity:

Iris:

Tailpiece:

Balance:

Temp:

Observers: HICKS, FINK

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Guidepoint: 393.7, 3917

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.
016	1995 Q43	60	B/D	126K	4:22	21:42:53	21:30:58	1.02	
017	"	"	"	123				1.02	LHA = -0; 11
018	"	"	"	136K	4:26			"	
019	"	"	"	123K	4:28			1.02	
020	"	"	"	126K				1.02	
021	"	"	"	123K				1.02	
22	"	"	"	127K					NO SPEC!
23	"	"	"	131K	4:37	SCATTERED LIGHT!		1.02	DR FINK CHECK, SLIT, ETC
24	"	"	"		4:39			"	
X	DR FINK DOES NOT FIND ANYTHING WRONG W/ SPEC								
X	WE MOVE TO STD *, IT'S TOO DIM, LOOK FOR								
X	AND FIND CONDENSATION, CLEAN OFF W LENS PAPER								
X	AND TRY AGAIN, MUCH BETTER, WE TAKE 60MB								
X	STD AND BACK TO ASTEROID								
25	1995 Q43	60	"		5:15	21:42:52	21:30:56	1.03	
26	"	"	"		5:18			1.63	
27	"	"	"	118	5:20			1.03	
28	"	"	"		5:22			1.03	

Frame prefix: **FR95E**

Telescope: **61"**

Sheet #: **4**

Date: **SEPT 27/28**

Focus:

Humidity:

Observers: **HICKS, FINK**

THUR

Iris:

Tailpiece:

Balance:

Temp:

Guidepoint: **393.7**

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.
29	95 Q43	60	B/D		5:24	21:42:50	21:3052	1.04	
30	"	"	"					1.04	
31	"	"	"	116K				1.04	
32	"	"	"	110K	5:31			1.04	
33	"	"	"					1.04	
34	"	"	"	101K	5:36			1.05	
35	"	"	"	106K	5:30			1.05	
36	"	"	"	105	5:40			1.05	
37	"	"	"	1101	5:42			1.05	
38	"	"	"	95	5:44			1.06	
39	"	"	"	94	5:46			1.06	
40	"	"	"	92				1.06	
41	"	"	"	90				1.07	
42	"	"	"	87				1.07	
43	"	"	"	90				1.07	
44	"	"	"					1.07	
45	"	"	"					1.07	
46	"	"	"					1.08	

Frame prefix: FR95E

Telescope: 61"

Sheet #: 5

Date: SEPT 27/28

Focus:

Humidity:

Observers: HICKS, FINK

THUR 4T

Iris:

Tailpiece:

Balance:

Temp:

Guidepoint: J93.7, 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.	
47	95 Q43	60	B14i	7200	6:04	21:42:48	+21:30:49	1.08		
48	"	"	"	8140	6:07			1.09		
49	"	"	"	8387	6:09			1.09		
50	"	"	"	8886				1.09		
51	"	"	"	8230	6:13			1.10	LHA 1:30	
52	"	"	"	8545	6:15			1.10		
53	"	"	"	9707				1.10		
54	"	"	"	8996	6:19			1.11		
55	"	"	"	9799				1.11		
56	"	"	"	9635				1.12		
57	"	"	"	10207				1.12		
58	"	"	"	10006				1.12		
59	"	"	"	10162	6:30			1.13		
60	"	"	"	10979	6:32			1.14		
61	"	"	"	11014				1.14		
62	"	"	"	9693	6:36			1.14		
63	"	"	"	9284	6:38			1.15	+2:04	
X	CLOUDS	COME	IN	AS	WE	ARE	TRYING	TO	TAKE	COMPS

64 BIAS

