

60 inch Telescope Log			Spectrograph: <u>FAST</u>			Page: <u>8726</u>
Observer: <u>CalKSA's</u>			Grating: <u>3006</u>			Date: <u>9/1/00</u>
PI: <u>Al, Kishner, Madoni</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-5	DARK				15m	
6-15	BIAS				0s	
16-25	FLAT				0s	
26-35	BIAS				0s	
36-45	FLAT				12s	
46-47	SDP284211	21 51	28 57	#56	30s	thru clouds
48	comp			↑		
49-50	SDP284211	21 51	28 57	#56	30s	
51	comp			↑		
52-53	SDP284211	21 51	28 57	#56	30s	PA=71°
54	comp			↑		
55	M31	00 42	41 16	#57	60s	
56	comp			↑		
57	M31	00 42	41 16	#57	60s	
58	comp			↑		
59	sn 98da host	18 11	49 52	#2	20m	
60	comp			↑		
61-62	sn 2000 dx	1 24	9 30	#2	15m	PA=37
63	comp			↑		
64	sn 2000 dg	00 06	08 52	#2	20m	PA=0
65	comp			↑		looking for holes!
66	sn 090,001	00 59	31 49	#59	2m	Agg!
67	comp			↑		
68	sn 090,002	01 00	31 48	#59	4m	
69	comp			↑		
70	sn 090,003	01 00	31 53	#59	6m	
71	comp			↑		
72	sn 090,004	01 00	31 27	#59	6m	
73	comp			↑		
74	sn 090,005	01 01	31 30	#59	1.5m	

DARK COUNT HIGH
 ONLY 5 BIN BY 4 DARKS
 OBVIOUSLY A UV FLOOD

60 inch Telescope Log
 Observer: CALXSUS
 PI: Mahdavi, Megeath, Kempton
 Spectrograph: #1255
 Grating: 300L
 Date: 9/1/00
 Page: 8727

Number	Object	R.A.	Dec.	L/R	Exp	Comments
75	comp			↑		
76	srpb090.006	01 01	31 13	#59	10m	
77	comp			↑		
78	srpb090.007	01 01	32 25	#59	10m	
79	comp			↑		
80-89	FLAT				15s	2" slit
90-91	HD 5374	00 55	39 10	#87	15/10s	
92	comp			↑		
93, 94	HD 13433	02 10	-15 18	#87	5/10s	
95	comp			↑		
96-98	HD 16578	02 41	47 41	#87	5/10/15s	
99	comp			↑		
100, 101	HD 22480	03 58	35 10	#87	5/12	
102	comp			↑		
102-105	B02 193	01 20	03 10	#87	10/20/90	
106	comp			↑		
107	WDOULT D	02 33	05 19	#87	70m	
108	comp			↑		
109, 110	B14 549	3 13	15 24	#87	15/30	
111	comp			↑		
112, 115	B63 565	3 49	24 13	#87	20/40	
114	comp			↑		
115-117	Rscamide 9	3 18	15 10	#87	4/4/10	
118	comp			↑		
119	RSGerm	6 03	22 42	#100	10m	3" slit
120	comp			↑		
121, 122	EGAnd	0 44	40 40	#12	1/5s	
123	comp			↑		
124-126	AXPer	1 56	54 15	#12	1/10/60	
127	comp			↑		

60 inch Telescope Log

Observer: CAUSEY

Spectrograph: FAST

Grating: 300L

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PI: Kenyon, Ali

Date: 9/1/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
128-129	V741 Per	1 58	52 53	12	10/60	
130	comp			↑		
131-132	Mira Oct	2 19	-2 59	12	1/2/1.0 s	
134	comp			↑		
135-139	sky			12	2s	
140	comp			↑		
141-150	BIAS				0s	
151-160	FLAT				6s	
161-170	BIAS				0s	
171-180	FLAT				12s	
181-211	DARK				15m	
204						

60 inch Telescope Log
 Observer: CALVINUS
 PI: All kindness, Megeath
 Spectrograph: FAST
 Grating: 3006
 Date: 9/2/00
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Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BLAK				0s	
21-30	FLAT				6s	
31-40	BLAK				0s	
41-50	FLAT				12s	
51, 52	DDp332642	15 51	32 57	F56	30s	
53	comp			↑		
54, 55	DDp332642	15 51	32 57	F56	30s	
56	comp			↑		
57, 58	DDp332642	15 15	32 57	F56	30s	PA=80°
59	comp			↑		
60	NS866	15 06	55 45	#57	3m	Dust lane
61	comp			↑		
62	NS866	15 06	55 45	F57	3m	
63	comp			↑		
64	sn2000em	17 57	27 49	F52	20m	PA=68° - very faint!!
65	comp			↑		
66-75	FLAT				15s	2" slit - PA=90°
76-77	+59.0817	16 58	59 47	F57	5/10/15	
78	comp			↑		
80-82	+65.0451	16 53	65 37	F57	5/10/20	
83	comp			↑		
84-86	+66.0476	16 52	66 36	F57	5/10/15	
87	comp			↑		
88, 89	+59.0894	17 50	59 39	F57	20m	
90	comp			↑		
91-93	+61.0565	17 19	61 38	F57	5/10/20s	
94	comp			↑		
95, 96	+62.0596	17 56	62 20	F57	5/12s	
97	comp			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>CALISTO</u>			Grating: <u>3006</u>		Page: <u>8720</u>	
PI: <u>Megarth, Maldegi.</u>			Date: <u>9/2/00</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
98-100	+65.0480	17 41	65 54	1187	1/8/10	PA=90
101	comp			↑		
102-107	+67.0536	17 58	17 46	1287	3/16	
108	comp			↑		
105-107	+68.0571	17 32	68 45	1287	5/10/15	
108	comp			↑		
109	seqb037.020	23 26	04 30	1559	12m	3" slit
110	comp			↑		
111	seqb037.021	23 26	2 59	1559	5m	
112	comp			↑		
113	seqb037.022	23 26	2 58	1559	5m	
114	comp			↑		
115	seqb037.023	23 26	01 57	1559	6m	
116	comp			↑		
117	seqb037.025	23 26	04 03	1559	10m	
118	comp			↑		
119	seqb037.027	23 26	2 49	1559	20m	
120	comp			↑		
121	seqb037.028	23 26	3 25	1559	8m	
122	comp			↑		
123	seqb037.029	23 26	3 11	1559	20m	
124	comp			↑		
125	seqb037.030	23 26	3 45	1559	4m	
126	comp			↑		
127	seqb037.031	23 26	04 42	1559	3m	
128	comp			↑		
129	seqb037.032	23 26	03 51	1559	13m	
130	comp			↑		
131	seqb037.033	23 26	03 20	1559	10m	
132	comp			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>8731</u>
Observer: <u>CALKINS</u>				Grating: <u>3000</u>		
PI: <u>Mahdavi, Kirchner, Pines</u>				Date: <u>9/2/00</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
133	sr6037.034	23 26	2 21	1559	20m	PA=90
134	comp			↑		
135	sr6037.034	23 22	4 19	1559	20m	
136	comp			↑		
137	sn2000dq	00 06	2 53	152	20m	PA=-6°
138	comp			↑		
139	sn2000dx	01 24	09 32	152	15m	PA=-32
140	comp			↑		
141	all9c-394	1 01	1 05	1564	4m	
142	comp			↑		
143	all9c-397	1 03	-2 33	1564	20m	
144	comp			↑		
145	all9c-398/49	01 03	-2 24	1564	17m	PA=-59°/Row 111= all9/Row 49=398
146	comp			↑		
147	all9c-399	01 01	-3 00	1564	6m	
148	comp			↑		
149	all9c-400	01 01	00 02	1564	4m	
150	comp			↑		
151	all9c-494	01 01	00 02	1564	4m	
152	comp			↑		
153	all9c-401	00 59	-2 44	1564	4.5m	
154	comp			↑		
155	all9c-403	01 02	-00 25	1564	17m	
156	comp			↑		
157	all9c-404	00 55	02 53	1564	20m	
158	comp			↑		
159	all9c-407	00 55	-02 11	1564	12m	
160	comp			↑		
161	all9c-408	01 09	00 20	1564	4m	
162	comp			↑		


60 inch Telescope Log			Spectrograph: <u>FAST</u>			
Observer: <u>CALVIN</u>			Grating: <u>300L</u>		Page: <u>8722</u>	
PI: <u>Kernan, All</u>			Date: <u>9/2/00</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
162, 164	EGGem	6 03	21 46	1700	10/3m	
165	comp			↑		
166, 167	S22	4 37	-1 19	1412	45/5m	
168	comp			↑		
169-171	WVAur	5 21	32 30	1412	2/5/15m	
172	comp			↑		
173	Feige 25	2 38	5 27	1456	2m	
174	comp			↑		
175-179	cky			1457	2m	
180	comp			↑		
181-190	KEAS				0.5	
191-200	FLAT				1.0	
201-210	15EAS				0.5	
211-220	FLAT				1.2	
221-250	DARK				15m	

60 inch Telescope Log		Spectrograph: F7053				
Observer: <u>CALKINS</u>		Grating: <u>100L</u>			Page: <u>18731</u>	
PI: <u>ALL PAGES</u>		Date: <u>9/2/00</u>				
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	
11-20	BEAS				0s	
21-30	FLAT				6s	
31-40	BEAS				0s	
41-50	FLAT				12s	
51, 52	BDF 332642	15 51	22 52	E 52	45s	
53	comp			↑		
54, 55	BDF 332642	15 51	22 52	E 52	45s	
56	comp			↑		
57	ASYS	15 52	21 30	E 57	5m	
58	comp			↑		
59-68	FLAT				15s	3" slit
69-71	+69.0423	17 54	69 01	E 87	5/10/00	
72	comp			↑		
73-75	+72.0517	17 13	70 22	E 87	5/10/00	
76	comp			↑		
77-79	57.0853	13 02	57 05	E 87	5/15/00	
80	comp			↑		
81-83	+62.0632	17 41	62 57	E 87	5/10/00	
84	comp			↑		
85-87	+62.0641	17 51	62 38	E 87	5/2/00	
88	comp			↑		
89-91	63.0487	13 07	62 58	E 87	5/10/00	
92	comp			↑		
93-95	+63.0513	17 13	64 00	E 87	5/5/00	
96	comp			↑		
97-99	+65.0542	19 11	65 19	E 87	10/10/00	
100	comp			↑		
101-103	65.0529	19 37	65 32	E 87	5/15/00	
104	comp			↑		

reduced in 3 sets

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>8734</u>
Observer: <u>CALDWELL</u>				Grating: <u>5120/600L</u>		
PI: <u>FAZ 5.0, CALDWELL, J. H. K. DENNIS</u>				Date: <u>9/3/00</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
105-106	+66.0533	15 13	66 41	1587	20m	
107	comp			↑		
108-110	+66.0588	15 40	66 55	1587	5/150	
111	comp			↑		
112, 113	+74.2492	18 11	74 22	1587	5/150	
114	comp			↑		
115-116	+74.2492	18 11	74 22	1587	5/150	
117	comp			↑		
118-127	RELAT				20s	3" slit / Focus 985
128	N7280	22 26	16 08	1570	17m	600 GPM / slit = 741
129	comp			↑	20s	
130	N7311	22 50	16 33	1570	15m	
131	comp			↑		
132, 133	L16C12472	23 16	16 54	1570	15m	
134	comp			↑		
135-136	A23174p26	23 19	16 16	1570	13m	
137	comp			↑		
138, 139	N7628	23 20	16 54	1570	12m	
140	comp			↑		
141	N7703	23 24	16 04	1570	20m	
142	comp			↑		
143, 144	A23302p29	23 22	16 47	1570	12m	
145	comp			↑		
146	A7211	23 35	16 17	1570	17m	
147	comp			↑		
148	sr9b090.008	1 02	32 26	1559	13m	300L / Focus 965
149	comp			↑		Tilt = 40
150	sr9b090.009	1 02	32 27	1559	3m	
151	comp			↑		
152	sr9b090.010	1 02	32 24	1559	2m	

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>8735</u>
Observer: <u>CALVERTS</u>				Grating: <u>3006</u>		
PI: <u>Mahdavi, Pines, Kerayan</u>				Date: <u>9/3/00</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
153	comp			↑		
154	sgb090.011	1 02	32 58	F59	17m	
155	comp			↑		
156	sgb090.012	1 03	32 14	F59	2.5m	Row 75
157	comp			↑		
158	sgb090.013	1 03	32 18	F59	2.5m	Possible intervening star
159	comp			↑		
160	sgb090.014	1 03	33 44	F59	15m	
161	comp			↑		
162	sgb090.015	1 03	21 01	F59	10m	
163	comp			↑		
164	sgb090.016	1 03	31 02	F59	20m	
165	comp			↑		
166	g119c-410	1 12	-1 13	F64	15m	
167	comp			↑		
168	g119c-411	1 12	-1 35	F64	15m	
169	comp			↑		
170	g119c-415	1 07	-3 09	F64	13m	
171	comp			↑		
172	g119c-416	00 51	-3 08	F64	12m	
173	comp			↑		
174, 175	FGem	2 03	27 43	F100	10/3m	
176	comp			↑		
177	Feige 25	2 38	5 28	F56	2m	
178	comp			↑		
179	Feige 25	2 38	5 28	F56	2m	
180	comp			↑		
181	M31	00 42	41 16	F57	1m	
182	comp			↑		
183	M31	00 42	41 16	F57	1m	

60 inch Telescope Log				Spectrograph: <u>FAST</u>		
Observer: <u>P Berlin</u>				Grating: <u>3WL - 3" slit all night</u> Page: <u>8737</u>		
PI: <u>JDK / Andreas Zezas</u>				Date: <u>9/9/60</u>		
Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	bin by 4 (30 cats @ "end")
11-30	BIAS				0s	
31-50	FLAT				9s	clouds.
51-70	BIAS				0s	
71-90	FLAT				18s	
91-95	sky			57	3s	
96	COMP			↑		
97-98	DARK				15m	bin by 4
99-101	HD192281	20	+40	56	5s	
102	COMP			↑		
103-104	BDP101052	20	+40	56	1m	
105	COMP			↑		clouds...
106	ZM20020.5	20:02	+43W	68	15m	*to W; gal has system
107	COMP			↑		
108	ZM200219.6	20:02	+43	68	5m	
109	COMP			↑		
110	ZM200529.9	20:05	+49	68	5m	
111	COMP			↑		
112	ZM200535	20:05	+48	68	5m	
113	COMP			↑		
114	ZM201049.9	20:10	+49	68	5m	
115	COMP			↑		stopped by clouds
116-7	AKn564			6	3m	
118	COMP			↑		
119, 121	Z21712908	22:19:28	+48:34S	100	20m	PA = -63 
120, 122	COMP			↑		went row 56-113
123	Z2161248	23:18:41	+13	120	90s	PA = 45 ← 2 gals wk
124	COMP			↑		
125-126	N7469	23:00	+08	6	2m	PA = 9
127	COMP			↑		

60 inch Telescope Log				Spectrograph: <u>FAST</u>		Page: <u>8738</u>
Observer: <u>PB</u>		Grating: <u>30R</u>		Date: <u>9/14/02</u>		
PI: <u>Andi</u>						
Number	Object	R.A.	Dec.	L/R	Exp	Comments
128-129	MRK335	00:06	+2012	6	2m	PA=90
130	WMP			f		45 to E+S
131	Fornello	23:17	-05	56	3m	PA=5
132	WMP			f		PA clouds
133	src 6037.036	23:27	-109	59	7m	PA=90
134	WMP			f		
135	035	23	+109	59	7m	
136	WMP			f		
137	047	23:28	+105	59	6m	
138	WMP			f		
139	043	23:28	+102	59	6m	
140	WMP			f		
141	042	23	+101	59	10m	wk
142	WMP			f		
143	045	23	+103	59	3m	got it. nice one
144	WMP			f		
145	047	23	+103	59	3m	interesting
146	WMP			f		
147	048	23	+102	59	15m	
148	WMP			f		
149	SN2002x	01:29	+09	2	20m	PA=05; clouds...
150	WMP			f		
151	src 6040.020	01:09	+3112	59	5m	
152	WMP			f		
153	017	01	+31	59	12m	
154	WMP			f		
155	024	01:09	+31	59	5m	
156	WMP			f		
157	022	01:09	+31	59	4m	
158	WMP			f		

60 inch Telescope Log
 Observer: PB
 PI: Kenny
 Spectrograph: F15
 Grating: 30R
 Date: 9/4/00
 Page: 8739

Number	Object	R.A.	Dec.	L/R	Exp	Comments
159	Sgr 6090.023	01-04	+32:58	S9	4m	
160	WAP			f		
161	024	0105	+32	S9	5m	
162	WAP			f		
163, 167	B66en	0603	+07	100	15m 3m	PA=71° to include ref*
165	WAP			f		
166	HEM	01	+17	S6	5m	
167	WAP			f		
168	NGC 1710	07.52	-05	S7	3s	scattered stars
169	WAP			f		⊙ down.
170-172	HD 2623	02	+60	S7	3s	
173	WAP			f		
174-183	BIAS				0s	
184-193	FLAT				9s	
194-203	BIAS				0s	
204-213	FLAT				18s	
114-233	DARK				20m	(6m by 2)

60 inch Telescope Log
 Observer: P Berlin
 PI: Calcutt
 Spectrograph: FAST
 Grating: 302
 Date: 9/5/00
 Page: 8740

Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-9	DARK				15m	
11-20	BIAS				0s	
21-30	FLAT				6s	
31-40	BIAS				0s	
41-50	FLAT				16s	
51-55	sky	earth		56	3s	on clouds
56	COMP			↑		close.
57-64	DARK					
65	ZM201138.8	20:11	+50	68	4m	open @ 10.30
66	COMP			↑		
67	ZM201157.5	20:11	+51	68	3m	
68	COMP			↑		
69	ZM201524	20:15	+50	68	5m	
70	COMP			↑		
71-72	fr 37KUN56	21:35	+57	89	10m	
73	COMP			↑		
74-75	58	21:35	+5742	89	5m, 10m	
76	COMP			↑		
77-78	1312	21:35	+57	89	1m, 2m	
79	COMP			↑		
80-82	HD192251	21:10	+40	56	5s	
83	COMP			↑		
84-85	DD, ZM1211	21:48	+52	56	1m	
86	COMP			↑		
87-88	fr 37KUN3145	21:36	+57.21	89	2m	South*
89	314N	"	"	89	2m	N*
90	COMP			↑		
91-92	81	21:32	+57	89	1m	
93	COMP			↑		

NO BIN BY 2 DARKS
 AND DARK IS A BIT HIGH

60 inch Telescope Log
 Observer: PTS
 PI: Calvet
 Spectrograph: FAST
 Grating: 3W2
 Date: 9/1/63
 Page: 8741

Number	Object	R.A.	Dec.	L/R	Exp	Comments
94-95	+37 MVA 95	21:36	+57:43	89	5m	
96	COMP			f		
97-98	86	21:36	+57	89	1m	
99	COMP			f		
100-101	13	21:36	+57	89	1m	
102	COMP			f		
103	23	21:36	+57	89	15m	TT clouds
104	COMP			f		
105	183	21:36	+57	89	15m	
106	COMP			f		
107	COMP			-	-	
108-109	HD 239713	21:37	+57	89	1m 3m	
110	COMP			f		stopped.
111	ZM 011237	01:12	+50	68	5m	
112	COMP			f		
113	ZM 011321	01:13	+50	68	12m	
114	COMP			f		
115	ZM 011820	01:18	+50	68	5m	
116	COMP			f		
117	SN 2000g	00:	06	2	20m	PA=45 clouds
118	COMP			f		
119	ZM 012019	01:18	+51	68	15m	
120	COMP			f		
121	ZM 0120.6	01:20	+51	68	10m	
122	COMP			f		
123	ZM 012277	01:22	+50	68	3m	
124	COMP			f		
125	ZM 012326	01:23	+49	68	5m	
126	COMP			f		

60 inch Telescope Log
 Observer: PJB
 PI: JPH
 Spectrograph: FAST
 Grating: 300L
 Date: 9/5/00
 Page: 8742

Number	Object	R. A.	Dec.	L/R	Exp	Comments
127	ZM012346	01:27	+50:08	68	4m	
128	COMP			1		
129	ZM012449	01:29	+50:47	68	3m	+ to E
130	COMP			1		
131	ZM012746	01:29	+50:	68	3m	
132	COMP			1		
133	ZM012829	01:27	+51	68	2m	
134	COMP			1		
135	ZM012952	01:28	+49	68	2m	
136	COMP			1		
137	ZM0129	01:	+52	68	2m	Seedy worse
138	COMP			1		
139-140	B6022	06:03	+27:41	100	15m, 4m	
141	COMP			1		
142	H214	09:41	+10	56	7m	
143	COMP			1		
144	NG6170	09:51	+05:2	57	3m	
145	COMP			1		
146-155	BIAS				0s	
156-165	FLAT				0s	
166-175	BIAS				0s	
176-185	FLAT				16s	

60 inch Telescope Log
 Observer: P Berthel
 PI: Kenyon / Mahdavi
 Spectrograph: FAS
 Grating: 300R
 Date: 9/6/00
 Page: 8743

Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	DARK				15m	partly cloudy
11-20	BTMS				0s	
21-30	FLAT				8s	bright moon
31-40	BTMS				0s	
41-50	FLAT				16s	
51-58	sky			56	3s	
56	WAP			↑		
57-60	BF Cyg	17:23	+29	12	5s-2m	
61	WAP			↑		
62-64	CH Cyg	19	+20	12	1s-10s	outburst
65	WAP					
66-67	S109	19:45	+46	12	7s, 7m	
68	WAP			↑		
69-71	CI Cyg	19:50	+38	12	1/2 40s	
72	WAP			↑		
73-76	VI1016 Cyg	19:57	+39	12	4s-90s	
77	WAP			↑		
78	nrqs 388.001	16:20	+37	59	8m	
79	WAP			↑		
80	002	16:20	+38	59	7m	
81	WAP			↑		
82	004	16:20	+38	59	7m	
83	WAP			↑		
84	008	16:22	+38	59	3m	
85	WAP			↑		
86	007	16:22	+37	59	6m	
87	WAP			↑		
88	009	16:22	+38	59	7m	
89	WAP			↑		

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60 inch Telescope log

Observer: PBPI: Mahdavi/KenyonSpectrograph: FASTGrating: 300RDate: 9/6/60Page: 8744

Number	Object	R.A.	Dec.	L/R	Exp	Comments
90	nrqs 388.010	16:23	+37:19	59	5m	
91	WAP			f		clearing!
92	014	16:25	+37	59	5m	
93	WAP			f		
94	016	16:25	+37	59	4m	
95	WAP			f		
96	017	16:25	+37	59	5m	
97	WAP			f		
98-100	HD154791	17:06	+23	12	1/2 10s	
101	WAP			f		
102-104	YY Her	18:14	+21	12	10s-5m	
105	WAP			f		
106-107	S149	18:18	+27	12	30s, 5m	
108	WAP			f		
109-111	V4493 Her	18:22	+23	12	2s, 90s	
112	WAP			f		
113-114	He 2m 467	20:35	+20	12	30s, 6m	
115	WAP			f		
116-117	He 2m 468	20:41	+29	12	1m	
118	WAP			f		
119-120	V1329 Cas	20:50	+35	12	1s, 6m	
121	WAP			f		
122-124	V407 Cas	21:02	+45	12	3s-5m	
125	WAP			f		
126-7	MRK 509	20:41	-10:54	6	2m	PA=0
128	WAP			f		
129-131	AG Peg	21:51	+12	12	1s-10s	
132	WAP			f		
133-135	HD192251	20:10	+40	56	5s	
136	WAP			f		

60 inch Telescope Log
 Observer: PB
 PI: Calcut
 Spectrograph: FAY
 Grating: 300R
 Date: 9/6/00
 Page: 8745

Number	Object	R. A.	Dec.	L/R	Exp	Comments
137-01	C ₇₉ DB2m09	20.53	+41	86	30s	
139	COMP			↑		
140-1	BDP28721	2148	+08	86	30s	
142	COMP			↑		
143	tr 37MUA 229	2137	+5740	89	2m	
144	COMP			↑		
145	232	2137	+57	89	3m	
146	COMP			↑		
147	108	2137	+5712	84	4/2	
148	COMP			↑		
149	46	2137	+57	84	30s	
150	COMP			↑		
151	BDP26267	21	+57	89	30s	
152	182	21	+57	84	90s	
153	COMP			↑		
154	164	21	57	84	2m	
155	252	21	57	84	7s	
156	COMP			↑		
157	169	2137	+57	84	5m	
158	47	21	57	84	90s	
159	COMP			↑		
160	318	21	57	84	90s	
161	234	21	57	84	4m	
162	COMP			↑		
163-4	5734 Acont	21	57	84	2s	PA=45 E=A
165-166	5734 Bwest	21	57	84	10s	W=B
167	COMP			↑		
168	153	21.37	+57	84	2m	
169	147	21	57	84	1m	
170	COMP			↑		

60 inch Telescope Log
 Observer: PB
 PI: Calvet

Spectrograph: FAST
 Grating: 3002
 Date: 9/6/00

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
171,3	tr 37 MUA 150	21-37	+57-22	89	3m, 5m	
172	258	↓	↓	89	3m	
174	257	↓	↓	89	4m	
175	266	↓	↓	89	2m	
176	COMP			↑		
177	224 EW	21	+57	89	3m	close EW pair; bin by 2
178	COMP			↑		
179	468	21-38	+57	89	30s	
180, 182	472	↓	↓	89	1m	E-em!
181	COMP					FT crash
183	AGp 561491	↓	↓	89	30s	
184	545			89	30s	
185	COMP			↑		
186	BRP 562672			89	30s	
187	472			89	2m	
188	COMP			↑		
189	191			89	3m	
190	447			89	30s	
191	COMP			↑		
192	275			89	30s	
193	BRP 572355			89	30s	
194	COMP			↑		
195	276			89	2m	
196	BRP 572356			89	30s	
197	COMP			↑		
198	527			89	3m	
199	535			89	3m	
200	COMP			↑		
201	467			89	4m	
202	COMP			↑		

60 inch Telescope Log			Spectrograph: <u>FAST</u>		Page: <u>8747</u>	
Observer: <u>PB</u>			Grating: <u>300R</u>			
PI: <u>Calvert/And.</u>			Date: <u>9/6/60</u>			
Number	Object	R.A.	Dec.	L/R	Exp	Comments
202-9	HD206267	21:34	+57:29	89	1s	
205	COMP			↑		
206	+137MVA470	21:29	+57	89	70s	
207	564	↓	↓	89	70s	
208	COMP			↑		
209	430			89	1m	
210	430			89	3m	
211	COMP			↑		
212	413			89	1m	
213	439			89	1m	
214	COMP			↑		
215217	114			89	1m/1h	em!
216	83			89	3m	
218	COMP			↑		
219	Srg b 037.058	23:27	+03:44	89	7m	
220	COMP			↑		
221	039	23:28	+03:60	89	5m	
222	COMP			↑		
223	041	23:28	+03	89	9m	
224	COMP			↑		
225	052	23:29	+03	89	5m	
226	COMP			↑		
227	053	23:30	+03	89	5m	
228	COMP			↑		
229	054	23:30	+03	89	3m	
230	COMP			↑		
231	055	23:30	+03	89	7m	
232	COMP			↑		
233	056	23:30	+03	89	5m	
234	COMP			↑		

60 inch Telescope Log
 Observer: PB
 PI: Rines / Caldwell
 Spectrograph: FAS
 Grating: 3wd / 600L
 Date: 9/6/00
 Page: 8748

Number	Object	R. A.	Dec.	L/R	Exp	Comments
235	all9c_419	00:53	-00:55	69	6m	good sky!
236	COMP			f		
237	421	01:02	-02	69	5m	
238	COMP			f		
239	451	01:02	-02	69	6m	wk em
240	COMP			f		
241	510	01:02	-02	69	9m	
242	COMP			f		
243	512	01:08	+10	69	7m	
244	COMP			f		
245	460	01:08	+10	69	6m	
246	COMP			f		
247	450	00:56	+05	69	8m	
248	COMP			f		
249	448	00:51	+10	69	5m	
250	COMP			f		
251	449	00:59	-047	69	5m	
252	COMP			f		
253	443	01:03	-022	69	5m	
254	COMP			f		
255	440	01:00	-044	69	5m	
256	COMP			f		
257	434	01:01	-02	69	5m	
258	COMP			f		
259	433	00:52	-0158	69	5m	
260	COMP			f		
261	COMP	*st		70	10s	600L, 3" slit
262-271	FLAT			70	22s	flit = 744.0 focus = 985

60 inch Telescope Log
 Observer: PB
 PI: Caldwell/Kenyon
 Spectrograph: FAST
 Grating: 600R; 300R
 Date: 9/6/00
 Page: 8749

Number	Object	R.A.	Dec.	L/R	Exp	Comments
272	N1029	02:39	+10:47	70	15m	PA=67° 600R, 3" slit, -115mm
273	COMP			↑		
274	N1153	02:54	+01:21	70	15m	PA=67°
275	COMP			↑		
276	Fairchild 25	02:38	+05	70	5m	PA=00
277	COMP			↑		
278	N1211	03:00	+02:47	70	15m	PA=-33
279	COMP			↑		running
280	HZ14	04:41	+10:59	70	10m	PA=-37
281				↑		
282	test					300R, 3" slit, normal ↓ test
283, 284	BGGem	06:03	+27	100	15m, 2m	running
285	COMP			↑		
286	HZ14	04:41	+10	56	5m	
287	COMP			↑		
288	NGC 6712	04:56	+04:32	57	3m	
289	COMP			↑		
290	ZM015005	01:50	+47	66	3m	0. #1 to E+W
291	COMP			↑		
292	ZM01413	01:51	+48	66	3m	
293	COMP			↑		
294	ZM020425	02:04	+45	68	2m	
295	COMP			↑		
296-305	BIPAS				03	a few small clouds
306-315	FLAT				16s	@ down.
316-325	BIPAS				03	
326-335	FLAT				8s	
336-345	DARK				15m	bimby 2

End of FAST Run!

60 inch Telescope Log

Observer: CAULFIELDPI: Dr. Mahdavi, GellerSpectrograph: FASTGrating: 500LDate: 9/18/00Page: 8798

Number	Object	R.A.	Dec.	L/R	Exp	Comments
1-7	PARK				15m	
8-17	BEAR				15	
18-27	FLAT				60	
28-37	BEAR				00	
38-47	FLAT				120	high winds @
48, 49	125330-42	16 57	32 56	#52	60s	sunset
50	comp			↑		
51, 52	125330-42	16 57	32 56	#52	60s	
53	comp			↑		
54	nrqs 388.003	16 20	37 20	#59	20m	
55	comp			↑		
56	nrqs 388.005	16 20	37 18	#59	17m	
57	comp			↑		
58	nrqs 388.006	16 21	37 51	#59	15m	
59	comp			↑		
60	nrqs 388.011	16 24	37 49	#59	10m	
61	comp			↑		
62	nrqs 388.012	16 25	38 38	#59	12m	
63	comp			↑		
64	nrqs 388.013	16 25	37 59	#59	17m	
65	comp			↑		
66	nrqs 388.015	16 25	37 14	#59	20m	
67	comp			↑		
68	nrqs 388.019	16 26	37 50	#59	17m	PA = 110° to isolate
69	comp			↑		
70	+12170-A	20 24	12 26	#113	12m	PA = 23°
71	comp			↑		
72, 73	+12170-B	20 24	12 24	#113	20m	PA = 59°, row 72
74	comp			↑		redo?
75	125330-B	20 28	25 44	#113	15m	PA = 65°

60 inch Telescope Log

Observer: CALKINSPI: Geller, Kenyon, KirchnerSpectrograph: FASTGrating: 300LPage: 8779Date: 9/13/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
76	comp			↑		
77-78	+01350 A/R	20 33	01 45	F12	15m	PA = -27° / B = row 81
79	comp			↑		A = row 82
80-82	Z And	23 33	48 49	F12	2/10/60	
83	comp			↑		
84-85	V1413 Aq1	19 03	16 25	F12	30s/5m	
86	comp			↑		
87-89	BFCyg	19 23	29 39	F12	1/10/60s	
90	comp			↑		
91-93	CHCyg	19 24	50 19	F12	1/5/90	
94	comp			↑		
95-97	HMSge	19 41	16 44	F12	1/10/60	
98	comp			↑		
99,100	AS360	19 45	18 35	F12	3s/5m	
101	comp			↑		
102,103	S169	19 49	46 15	F12	60s/60s	
104	comp			↑		
105-107	CICyg	19 50	35 41	F12	3/20/1m	
108	comp			↑		
109-111	V1016Cyg	19 57	29 49	F12	0.5/3/60	
112	comp			↑		
113-115	PLUVul	20 21	21 34	F12	1/10/120s	
116	comp			↑		
117,118	Hcm 2m 467	20 36	00 11	F12	30s/200s	
119	comp			↑		
120,121	Hcm 2m 468	20 41	34 44	F12	3000/6000	
122	comp			↑		
123	sm 20000x	01 24	09 30	F2	15m	PA = -4
124	comp			↑		
125,126	Feige 25	2 38	5 28	F56	2m	PA = -26°

60 inch Telescope Log

Observer: P. Behr

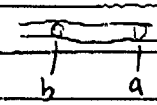
PI: Betsy

Spectrograph: FAST

Grating: 300L 3" slit

Date: 9/19/60

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
1-10	BPM5				0s	
11-20	FLAT				8s	
21-30	BPM5				0s	
31-40	FLAT				16s	
41-45	sky	20:44		57	7s	on clouds
46	WMP			f		
47-49	HD192281	20:10	+110	56	6s	clearing; poor seeing
50	WMP			f		
51	205124p07a	20:51	+107	113	20m	Proy=113 (not 56)
52	WMP			f		
53,55	205124p07b	20:51	+107	113	20m	Proy=113 (not 56)
54,56				f		
57	210512p08a ab	21:07	+10352	113	20m	PA=72 
58	WMP			f		
59	211854p225a	21:21	+23	113	12m	PA=90
60	WMP			f		
61	211854p225b	21:21	+23	113	20m	
62	WMP			f		
63	213142p08b	21:39	+08	113	20m	
64	WMP			f		
65	213712p60b	21:39	+106	113	20m	PA=116 2 faintamps to E
66	WMP			f		
67-68	MRK 509	20:49	-10	6	3m	PA=25
69	WMP			f		
70-71	DDp28421	21:51	+28	56	35s	PA=20
72	WMP			f		
73	id 204	20:06	+35	113	15s	moon's up
74	WMP			f		
75	id 15	20:06	+35	113	15s	
76	WMP			f		

NO BIN BY 2 DARKS

60 inch Telescope Log

Observer: PIB

PI: Daly

Spectrograph: FAST

Grating: 30L

Date: 9/19/00

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
77	id 21	2006	+3545	115	30c	
78	id 28	↓	↓	115	60s	
79	COMP			↑		
80	id 23	↓	↓	115	43s	bright * to W
81	id 67			115	2m	
82	COMP			↑		
83	S31			115	150s	
84	S32			115	60s	em *
85	COMP			↑		
86	S33			115	90s	
87	S34			115	60s	
88	COMP			↑		
89	S35			115	90s	
90	S36			115	2m	
91	COMP			↑		
92	id 205 (357)			115	90s	
93	S37			115	90s	
94	COMP			↑		
95	S38			115	150s	
96	S39			115	3m	
97	COMP			↑		
98	S40			115	4m	
99	S41			115	4m	
100	COMP			↑		
101	S42			115	3m	
102	S43			115	2.5m	
103	COMP			↑		
104	S44			115	5m	
105	S45			115	5m	
106	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: Calvet

Spectrograph: FAST

Grating: 3002-3481f

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Date: 9/19/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
107	id 1010 (547)	22:07	+35	115	4m	
108	548	"	"	115	45s	
109	549	"	"	115		
110	COMP			↑		
111-2	AKN 564	22:42	+29	6	3m	
113	COMP			↑		
114-5	tr 37-MVA 457	21:39	+57	89	3m, 2m em	
116	COMP			↑		
117	566	21:39	+57	89	45s	
118	KUN 84			89	6m	
119	COMP			↑		
120	1578	2		89	45s	aka MVA 455
121	4917			89	6m	
122	COMP			↑		
123	KUN 327			89	5m	
124	KUN 85			89	4m	
125	COMP			↑		
126	KUN 86			89	8m	
127	KUN 87			89	5m	
128	COMP			↑		
129	MVA 369			89	90s	
130	436			89	4m	
131	COMP			↑		
132	MVA 657 and 660			89	6m	Passes; Please extract both
133	COMP			↑		
134	KUN 89			89	4m	
135	MVA 320			89	4m	
136	COMP			↑		
137	371			89	3m	
138	640			89	45s	
139	COMP			↑		

Passes; Please extract both
~~522~~
 660 657 or row 40

60 inch Telescope Log

Spectrograph: FAST

Observer: PB

Grating: 300L

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PI: Andi

Date: 9/19/00

Number	Object	R.A.	Dec.	L/R	Exp	Comments
140-141	MRK335	02:06	+20	6	2m	PA=46
142	WMP			↑		
143-144	NG469	23:03	+08	6	90s	PA=46
145	WMP			↑		
146	Fcigellio	23	+05	56	2m	PA=35
147	WMP			↑		
148	SN2000g	0008	+09	2	20s	PA=57
149	WMP			↑		
150	SN2000dk	01:07	+52	2	12m	PA=92
151	WMP			↑		
152	NG6037.58	23:30	+03:58	59	6m	em
153	WMP			↑		
154	059	23:30	+03	59	3m	
155	WMP			↑		
156	059	23:30	+05	59	3m	
157	WMP			↑		
158	060	23:30	+03	59	2m	
159	WMP			↑		
160	065	23:32	+03	59	5m	wk
161	WMP			↑		
162	021733	02:17	+5706	83	4m	white dwarf!
163	WMP			↑		
164	021731	02:17	+57	83	4m	
165	021730	02		83	3m	
166	WMP			↑		
167	021735	↓	↓	83	30s	
168	021737			83	45s	
169	WMP			↑		
170	021737			83	5m	
171	0217			83	5m	
172	COMP			↑		

60 inch Telescope Log

Observer: PB

PI: Bray

Spectrograph: FAST

Grating: 30R

Date: 9/19/60

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
173	021739p5705	02:17	+57	83	60s	
174	021739	↓	↓	83	5m	
175	WMP			f		
176	021739			83	30s	
177	021741			83	3m	
178	WMP			f		
179	021741			83	40s	
180	021743			83	1m	
181	WMP			f		
182	021743			83	1m	
183	021745			83	1m	
184	WMP	f				
185	021745	83	2m			
186	021746	83	2m			
187	WMP	f				
188	021746	83	90s			
189	021748	83	10m			
190	021749	83	10s			
191	WMP	f				
192	021750	83	5m			
193	021751	83	5m			
194	WMP	f				
195	021751	83	1m			
196	021751	83	3m			
197	WMP	f				
198	021752	83	1m			
199	021752	83	m			
200	WMP	f				
201	021753	83	5m			
202	021754	83	2m			
203	WMP	f				

60 inch Telescope Log

Observer: PS

PI: Bass

Spectrograph: FAST

Grating: 302L

Date: 9/19/00

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Number	Object	R. A.	Dec.	L/R	Exp	Comments
204	021755p5705	02:17	+57	83	2m	
205	021755			83	90s	
206	WAP	↓	↓	r		
207	021758	↓	↓	83	2m	
208	021802			83	2m	
209	WAP			r		
210	021802			83	3m	
211	021806			83	2m	
212	WAP			r		
213-4	B606m	0603	+27	100	15m, 2m	
215	WAP			r		
216	2M0200	02:00	+48	68	2m	
217	WAP			r		
218	2M0205	02:01	+47	68	4m	
219	WAP			r		
220	2M0206	02:06	+45	68	2m	
221	WAP			r		
222	2M020650	02:06	+45	68	2m	
223	WAP			r		
224	2M021629	02:16	+40	68	2m	
225	WAP			r		
226	2M0221	02:21	+48	68	2m	
227	WAP			r		
228-30	HDS2623	02	+60	57	5m	
231	WAP			r		a few clouds
232-24	HDS2971	0657	+27	57	4s	
235	WAP			r		
236-245	DATA				0s	
246-255	FLAT				8s	
256-265	DATA				0s	
266-275	FLAT				16s	
276-285	DARK				15m	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
01-10.DARK	1200	23:45	16:42:07.7	51:51:27	300	92	#83 h/chi Pers	2	
11-20.BIAS	0	3:07	19:44:58.9	51:52:06	300	92	#83 h/chi Pers	4	
21-30.FLAT	8	3:09	19:47:06.9	51:52:06	300	92	#83 h/chi Pers	4	
31-40.BIAS	0	3:13	19:50:23.9	51:52:07	300	92	#83 h/chi Pers	2	
41-50.FLAT	16	3:15	19:53:01.9	51:52:07	300	92	#83 h/chi Pers	2	
0051.LS5039	30	3:23	18:26:25.0	-14:50:51	300	90	#65 X-Ray Nova		rain @ sunset; clearing 8pm
0052.LS5039	120	3:24	18:26:24.0	-14:50:51	300	90	#65 X-Ray Nova		
0053.COMP	5	3:26	18:26:24.0	-14:50:51	300	90	#65 X-Ray Nova		
0054.205054p00	1200	3:27	20:53:24.0	00:39:07	300	90	#113 Galaxy In	2	
0055.COMP	10	3:48	20:53:24.0	00:39:07	300	90	#113 Galaxy In		
0056.210006p08	1200	3:50	21:02:41.0	08:19:48	300	95	#113 Galaxy In		b @ row 88; c @ row 103
0058.210006p08	1200	4:11	21:02:35.0	08:18:46	300	90	#113 Galaxy In		
0059.COMP	10	4:31	21:02:35.0	08:18:46	300	90	#113 Galaxy In		
0060.213630p29	1200	4:33	21:38:42.0	29:50:17	300	90	#113 Galaxy In		please include extended clumps in extract aperture
0061.COMP	10	4:54	21:38:42.0	29:50:17	300	90	#113 Galaxy In		
0062.213630p29	1200	4:54	21:38:26.0	29:49:37	300	90	#113 Galaxy In		
0063.COMP	10	5:15	21:38:26.0	29:49:37	300	90	#113 Galaxy In		
0064.BDp284211	35	5:16	21:51:13.0	28:51:50	300	90	#56 Photometri		
0065.BDp284211	35	5:17	21:51:12.0	28:51:50	300	90	#56 Photometri		
0066.COMP	10	5:18	21:51:12.0	28:51:50	300	90	#56 Photometri		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0067.id2274	180	5:19	20:05:01.0	35:41:34	300	90	#115 PMS NGC68		
0068.id2777	180	5:22	19:59:08.0	35:25:07	300	90	#115 PMS NGC68		
0069.id1049	180	5:26	20:07:30.0	35:50:30	300	90	#115 PMS NGC68		
0070.COMP	5	5:29	20:07:30.0	35:50:30	300	90	#115 PMS NGC68		
0071.id1139	180	5:30	20:07:21.0	35:50:53	300	90	#115 PMS NGC68		
0072.id1215	180	5:33	20:07:13.0	35:42:27	300	90	#115 PMS NGC68		
0073.id2165	180	5:36	20:05:17.0	35:55:17	300	90	#115 PMS NGC68		
0074.COMP	5	5:40	20:05:18.0	35:55:17	300	90	#115 PMS NGC68		
0075.id1177	180	5:40	20:07:18.0	35:49:52	300	90	#115 PMS NGC68		
0076.id1368	180	5:43	20:06:57.0	35:47:57	300	90	#115 PMS NGC68		
0077.id1580	180	5:47	20:06:27.0	35:47:37	300	90	#115 PMS NGC68		
0078.COMP	5	5:50	20:06:27.0	35:47:37	300	90	#115 PMS NGC68		
0079.id1732	180	5:51	20:06:10.0	35:54:49	300	90	#115 PMS NGC68		
0080.id1431	180	5:54	20:06:50.0	35:36:24	300	90	#115 PMS NGC68		
0081.id1802	180	5:57	20:06:01.0	35:42:54	300	90	#115 PMS NGC68		
0082.COMP	5	6:04	20:05:43.0	35:55:38	300	90	#115 PMS NGC68		
0083.id1984	210	6:04	20:05:42.0	35:55:38	300	90	#115 PMS NGC68		
0084.id2007	180	6:08	20:05:38.0	35:49:18	300	90	#115 PMS NGC68		
0085.id2264	180	6:12	20:05:03.0	35:39:13	300	90	#115 PMS NGC68		
0086.COMP	5	6:15	20:05:03.0	35:39:13	300	90	#115 PMS NGC68		

UT Date 09/21/00 Observers P BerlindColl. Focus 965 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0087.SN2000dk	720	6:17	01:07:24.0	32:24:23	300	99	#2 SN Observat		
0088.COMP	10	6:29	01:07:24.0	32:24:23	300	99	#2 SN Observat		
89.91.SNugc1191	1200	6:36	01:42:13.0	07:39:57	300	-30	#2 SN Observat		v. weak
90.92.COMP	10	6:56	01:42:14.0	07:39:57	300	-30	#2 SN Observat		
93.94.Feige110	120	7:10	23:20:06.0	-05:09:56	300	12	#56 Photometri		
0095.COMP	10	7:15	23:20:05.0	-05:09:56	300	12	#56 Photometri		
0096.tr37MVA66	20	7:17	21:39:47.0	57:36:13	300	90	#89 Herbig-AeB		moon's up
0097.tr37MVA59	90	7:18	21:39:47.0	57:28:44	300	90	#89 Herbig-AeB		
0098.tr37MVA32	180	7:20	21:39:50.0	57:16:56	300	90	#89 Herbig-AeB		
0099.COMP	5	7:23	21:39:50.0	57:16:56	300	90	#89 Herbig-AeB		
0100.tr37MVA64	180	7:24	21:39:52.0	57:33:08	300	90	#89 Herbig-AeB		
0101.mva181	45	7:27	21:39:55.0	57:10:50	300	90	#89 Herbig-AeB		
0102.tr37MVA64	300	7:29	21:39:51.0	57:33:08	300	90	#89 Herbig-AeB		
0103.COMP	5	7:35	21:39:51.0	57:33:08	300	90	#89 Herbig-AeB		
0104.tr37MVA31	300	7:35	21:39:53.0	57:14:49	300	90	#89 Herbig-AeB		
0105.BDp572362	20	7:41	21:40:00.0	57:57:18	300	90	#89 Herbig-AeB		
0106.tr37KUN91	300	7:42	21:40:06.0	57:18:16	300	90	#89 Herbig-AeB		
0107.COMP	5	7:47	21:40:15.0	57:40:51	300	90	#89 Herbig-AeB		
0108.tr37KUN19	180	7:48	21:40:12.0	57:40:51	300	90	#89 Herbig-AeB		
0109.tr37KUN19	120	7:51	21:40:12.0	57:37:16	300	90	#89 Herbig-AeB		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0110.tr37KUN19	180	7:54	21:40:16.0	57:26:49	300	90	#89 Herbig-AeB		
0111.COMP	5	7:57	21:40:16.0	57:26:49	300	90	#89 Herbig-AeB		
0112.tr37KUN92	300	7:57	21:40:16.0	57:44:07	300	90	#89 Herbig-AeB		
0113.tr37KUN93	180	8:03	21:40:16.0	57:31:24	300	90	#89 Herbig-AeB		
0114.tr37MVA64	120	8:06	21:40:26.0	57:33:38	300	90	#89 Herbig-AeB		
0115.COMP	5	8:08	21:40:25.0	57:33:38	300	90	#89 Herbig-AeB		
0116.tr37185	20	8:09	21:40:26.0	57:13:26	300	90	#89 Herbig-AeB		
0117.tr37KUN97	240	8:10	21:40:56.0	57:30:41	300	90	#89 Herbig-AeB		
0118.tr37KUN10	300	8:14	21:41:21.0	57:29:28	300	90	#89 Herbig-AeB		
0119.COMP	5	8:20	21:41:21.0	57:29:28	300	90	#89 Herbig-AeB		
0120.tr37MVA36	60	8:20	21:41:28.0	57:18:29	300	90	#89 Herbig-AeB		
0121.tr37MVA80	20	8:22	21:41:32.0	57:22:25	300	90	#89 Herbig-AeB		
0122.tr37MVA85	60	8:22	21:42:00.0	57:39:16	300	90	#89 Herbig-AeB		
0123.COMP	5	8:24	21:42:00.0	57:39:16	300	90	#89 Herbig-AeB		
0124.tr37KUN10	360	8:24	21:42:06.0	57:37:08	300	90	#89 Herbig-AeB		
0125.tr37MVA82	30	8:31	21:42:19.0	57:20:46	300	90	#89 Herbig-AeB		finishes off the list
0126.COMP	5	8:32	21:42:19.0	57:20:46	300	90	#89 Herbig-AeB		
0127.srgb037.0	600	8:34	23:32:08.0	03:39:12	300	90	#59 X-Ray Grou		redo from 9/19/00
0128.COMP	5	8:44	23:32:08.0	03:39:12	300	90	#59 X-Ray Grou		
0129.srgb037.0	600	8:45	23:31:08.0	02:54:48	300	90	#59 X-Ray Grou		

UT Date 09/21/00 Observers P BerlindColl. Focus 965 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0130.COMP	5	8:55	23:31:08.0	02:54:48	300	90	#59 X-Ray Grou		
0131.srgb037.0	360	8:56	23:32:04.0	02:51:11	300	90	#59 X-Ray Grou		
0132.COMP	5	9:02	23:32:04.0	02:51:11	300	90	#59 X-Ray Grou		
0133.srgb037.0	600	9:03	23:31:56.0	02:20:19	300	90	#59 X-Ray Grou		
0134.COMP	5	9:14	23:31:56.0	02:20:19	300	90	#59 X-Ray Grou		
0135.srgb037.0	480	9:14	23:32:12.0	03:48:46	300	90	#59 X-Ray Grou		
0136.COMP	5	9:23	23:32:12.0	03:48:46	300	90	#59 X-Ray Grou		
0137.srgb037.0	240	9:23	23:32:17.0	03:12:25	300	90	#59 X-Ray Grou		
0138.COMP	5	9:28	23:32:17.0	03:12:25	300	90	#59 X-Ray Grou		
0139.srgb037.0	660	9:28	23:32:24.0	04:16:09	300	90	#59 X-Ray Grou		
0140.COMP	5	9:40	23:32:24.0	04:16:09	300	90	#59 X-Ray Grou		
0141.srgb037.0	150	9:40	23:33:43.0	04:27:56	300	90	#59 X-Ray Grou		
0142.COMP	5	9:43	23:33:43.0	04:27:56	300	90	#59 X-Ray Grou		
0143.SN2000cx	1200	9:45	01:24:55.0	09:30:30	300	35	#2 SN Observat		
0144.COMP	10	10:05	01:24:55.0	09:30:30	300	35	#2 SN Observat		
0145.SNugc1191	420	10:09	01:42:13.0	07:39:58	300	65	#2 SN Observat		stopped short by rogue clouds!
0146.COMP	10	10:17	01:42:13.0	07:39:58	300	65	#2 SN Observat		
147.148.SNugc1191	1200	10:48	01:42:11.0	07:39:58	300	65	#2 SN Observat		got it
0149.COMP	10	11:30	01:42:12.0	07:39:58	300	65	#2 SN Observat		
0150.2M011725.	300	11:32	01:17:24.0	50:22:51	300	90	#68 2MASS Reds		

UT Date 09/21/00 Observers P BerlindColl. Focus 965 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0151.COMP	5	11:37	01:17:24.0	50:22:51	300	90	#68 2MASS Reds		
0152.2M011830.	240	11:38	01:18:29.0	51:56:44	300	90	#68 2MASS Reds		very humid
0153.COMP	5	11:42	01:18:29.0	51:56:44	300	90	#68 2MASS Reds		
0154.2M012050.	240	11:43	01:20:49.0	51:36:15	300	90	#68 2MASS Reds		
0155.COMP	5	11:47	01:20:49.0	51:36:15	300	90	#68 2MASS Reds		
0156.2M012348.	210	11:47	01:23:48.0	50:08:56	300	90	#68 2MASS Reds		
0157.COMP	5	11:51	01:23:48.0	50:08:56	300	90	#68 2MASS Reds		
0158.2M012839.	180	11:52	01:28:40.0	48:13:04	300	90	#68 2MASS Reds		
0159.COMP	5	11:55	01:28:40.0	48:13:04	300	90	#68 2MASS Reds		
0160.2M012945.	150	11:56	01:29:43.0	51:54:49	300	90	#68 2MASS Reds		
0161.COMP	5	11:59	01:29:43.0	51:54:49	300	90	#68 2MASS Reds		
0162.2M012952.	150	11:59	01:29:51.0	52:02:11	300	90	#68 2MASS Reds		
0163.COMP	5	12:02	01:29:51.0	52:02:11	300	90	#68 2MASS Reds		
0164.2M020554.	480	12:03	02:05:55.0	50:44:13	300	90	#68 2MASS Reds		
0165.COMP	5	12:11	02:05:55.0	50:44:13	300	90	#68 2MASS Reds		
0166.2M021342.	150	12:11	02:13:43.0	49:48:09	300	90	#68 2MASS Reds		
0167.COMP	5	12:14	02:13:43.0	49:48:09	300	90	#68 2MASS Reds		
0168.2M021422.	180	12:15	02:14:23.0	49:35:25	300	90	#68 2MASS Reds		
0169.COMP	5	12:18	02:14:23.0	49:35:25	300	90	#68 2MASS Reds		
0170.2M022159.	120	12:19	02:22:02.0	44:22:07	300	90	#68 2MASS Reds		

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Program</i>	<i>Bin</i>	<i>Comments (& Slit)</i>
0171.COMP	5	12:21	02:22:02.0	44:22:07	300	90	#68 2MASS Reds		
0172.2M022218.	120	12:22	02:22:21.0	42:48:18	300	90	#68 2MASS Reds		
0173.COMP	5	12:24	02:22:21.0	42:48:18	300	90	#68 2MASS Reds		
0174.HD12623	4	12:26	02:09:37.2	63:10:14	300	90	#57 Velocity S		
0175.HD12623	4	12:26	02:09:36.2	63:10:14	300	90	#57 Velocity S		
0176.HD12623	4	12:26	02:09:37.2	63:10:14	300	90	#57 Velocity S		a few clouds @ dawn
0177.COMP	5	12:26	02:09:39.2	63:10:14	300	90	#57 Velocity S		
178.187.BIAS	0	12:29	05:13:16.6	62:59:37	300	90	#2 SN Observat		
188.197.FLAT	8	12:32	05:16:07.9	62:59:24	300	90	#2 SN Observat		
198.207.BIAS	0	12:35	05:18:51.2	62:59:13	300	90	#2 SN Observat		
208.217.FLAT	16	12:39	05:23:04.6	62:58:54	300	90	#2 SN Observat		
218.227.DARK	900	12:39	05:23:04.6	62:58:54	300	90	#2 SN Observat		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
01.10.DARK	900	23:12	16:07:44.0	31:30:12	300	90	#2 SN Observat		
11.20.BIAS	0	1:43	18:24:29.0	31:30:06	300	90	#2 SN Observat		Hi Susan! Aren't these elec. logs great?
21.30.FLAT	8	1:45	18:26:12.0	31:30:06	300	90	#2 SN Observat		
31.40.BIAS	0	1:48	18:28:55.0	31:30:06	300	90	#2 SN Observat		
41.50.FLAT	16	1:50	18:31:33.0	31:30:06	300	90	#2 SN Observat		
51.52.BDp332642	45	2:16	15:52:03.0	32:56:54	300	80	#56 Photometri		humid and cool; solid clouds @ sunset but clearing quickly
0053.COMP	10	2:19	15:52:03.0	32:56:54	300	80	#56 Photometri		
0054.2M162252.	90	2:20	16:22:51.0	11:22:15	300	80	#68 2MASS Reds		
0055.COMP	5	2:22	16:22:51.0	11:22:15	300	80	#68 2MASS Reds		
0056.2M163002.	90	2:23	16:30:01.0	23:21:16	300	80	#68 2MASS Reds		
0057.COMP	5	2:25	16:30:01.0	23:21:16	300	80	#68 2MASS Reds		
0058.2M163258.	90	2:25	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		
0059.COMP	5	2:27	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		
0060.2M163454.	90	2:25	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		
0061.COMP	5	2:27	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		
62.63.2M16442	90	2:25	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		planetary neb; 62=neb; 63=central star + neb
0064.COMP	5	2:27	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		
0065.2M161241.	240	2:34	16:12:37.0	33:02:15	300	80	#68 2MASS Reds		there is a brighter gal just to the SW of this gal
0066.COMP	5	2:38	16:12:37.0	33:02:15	300	80	#68 2MASS Reds		
0067.2M162130.	720	2:39	16:21:22.0	47:43:42	300	80	#68 2MASS Reds		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0068.COMP	5	2:51	16:21:22.0	47:43:42	300	80	#68 2MASS Reds		
0069.2M163125.	120	2:52	16:31:19.0	46:19:27	300	80	#68 2MASS Reds		
0070.COMP	5	2:54	16:31:19.0	46:19:27	300	80	#68 2MASS Reds		
0071.nrgs388.0	1200	2:55	16:26:01.0	38:09:58	300	80	#59 X-Ray Grou		finishes off Andi's 16h hi-pri gals
0072.COMP	5	3:16	16:26:01.0	38:09:58	300	80	#59 X-Ray Grou		
0073.2M164559.	90	3:16	16:45:55.0	35:27:32	300	80	#68 2MASS Reds		
0074.COMP	5	3:18	16:45:55.0	35:27:32	300	80	#68 2MASS Reds		
0075.2M165259.	30	3:19	16:52:54.0	40:21:34	300	80	#68 2MASS Reds		sup star on gal
0076.2M165259.	480	3:20	16:52:54.0	40:21:34	300	80	#68 2MASS Reds		all galaxy; ok
0077.COMP	5	3:18	16:45:55.0	35:27:32	300	80	#68 2MASS Reds		
0078.2M170132.	240	3:29	17:01:30.0	27:56:29	300	80	#68 2MASS Reds		
0079.COMP	5	3:33	17:01:30.0	27:56:29	300	80	#68 2MASS Reds		
0080.2M173313.	100	3:34	17:33:11.0	26:47:38	300	80	#68 2MASS Reds		
0081.COMP	5	3:36	17:33:11.0	26:47:38	300	80	#68 2MASS Reds		
0082.2M173647.	90	3:36	17:36:47.0	12:22:20	300	80	#68 2MASS Reds		
0083.COMP	5	3:38	17:36:46.0	12:22:20	300	80	#68 2MASS Reds		
0084.2M174911.	120	3:39	17:49:10.0	16:06:38	300	80	#68 2MASS Reds		
0085.COMP	5	3:41	17:49:10.0	16:06:38	300	80	#68 2MASS Reds		
0086.2M171702.	100	3:42	17:16:56.0	45:31:27	300	80	#68 2MASS Reds		cloud forming rapidly over mtn
0087.COMP	5	3:44	17:16:56.0	45:31:27	300	80	#68 2MASS Reds		wham!, no more stars

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0088.2M215602.	150	6:18	21:56:02.0	-02:54:00	300	90	#68 2MASS Reds		mtn. fog for 2 hours, then rapid clearing
0089.COMP	5	6:21	21:56:02.0	-02:54:00	300	90	#68 2MASS Reds		
0090.2M210902.	150	6:23	21:09:02.0	-02:17:18	300	90	#68 2MASS Reds		
0091.COMP	5	6:26	21:09:02.0	-02:17:18	300	90	#68 2MASS Reds		
0092.2M202420.	300	6:27	20:24:22.0	-01:51:12	300	90	#68 2MASS Reds		
0093.COMP	5	6:32	20:24:22.0	-01:51:12	300	90	#68 2MASS Reds		
0094.2M203000.	300	6:33	20:30:02.0	-00:51:19	300	90	#68 2MASS Reds		
0095.COMP	5	6:38	20:30:02.0	-00:51:19	300	90	#68 2MASS Reds		
0096.2M203023.	240	6:39	20:30:25.0	-00:50:33	300	90	#68 2MASS Reds		a few clouds lingering...
0097.COMP	5	6:43	20:30:25.0	-00:50:33	300	90	#68 2MASS Reds		
0098.2M210248.	150	6:44	21:02:48.0	13:08:11	300	90	#68 2MASS Reds		
0099.COMP	5	6:47	21:02:48.0	13:08:11	300	90	#68 2MASS Reds		
0100.2M215241.	90	6:47	21:52:41.0	14:16:55	300	90	#68 2MASS Reds		
0101.COMP	5	6:49	21:52:41.0	14:16:55	300	90	#68 2MASS Reds		
0102.Feige110	120	6:51	23:20:03.0	-05:09:56	300	7	#56 Photometri		
0103.Feige110	120	6:54	23:20:03.0	-05:09:56	300	7	#56 Photometri		
0104.COMP	10	6:56	23:20:03.0	-05:09:56	300	7	#56 Photometri		
0105.SNugc1191	1200	6:59	01:42:05.0	07:39:58	300	65	#2 SN Observat		ugh.
0106.COMP	10	7:20	01:42:05.0	07:39:58	300	65	#2 SN Observat		
0107.srgb037.0	900	7:24	23:27:17.0	03:29:14	300	90	#59 X-Ray Grou		still some local clouds around

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0108.COMP	10	7:39	23:27:17.0	03:29:14	300	90	#59 X-Ray Grou		
0109.srgb037.0	1200	7:42	23:28:46.0	03:30:44	300	98	#59 X-Ray Grou		a is @ row 97; b is @ row48; ignore middle fuzz from ngc7679
0110.COMP	10	8:02	23:28:46.0	03:30:44	300	98	#59 X-Ray Grou		
0111.srgb037.0	900	8:03	23:29:25.0	05:05:23	300	98	#59 X-Ray Grou		
0112.COMP	10	8:18	23:29:25.0	05:05:23	300	98	#59 X-Ray Grou		
0113.srgb037.0	900	8:19	23:29:31.0	03:29:58	300	98	#59 X-Ray Grou		
0114.COMP	5	8:34	23:29:31.0	03:29:58	300	98	#59 X-Ray Grou		
0115.srgb037.0	720	8:35	23:32:17.0	02:35:49	300	98	#59 X-Ray Grou		
0116.COMP	5	8:47	23:32:17.0	02:35:49	300	98	#59 X-Ray Grou		
0117.srgb037.0	720	8:49	23:32:18.0	03:47:14	300	98	#59 X-Ray Grou		
0118.COMP	5	9:01	23:32:18.0	03:47:14	300	98	#59 X-Ray Grou		
0119.srgb037.0	330	9:01	23:32:55.0	02:49:41	300	98	#59 X-Ray Grou		
0120.COMP	5	9:07	23:32:55.0	02:49:41	300	98	#59 X-Ray Grou		
0121.srgb037.0	150	9:08	23:33:09.0	04:33:08	300	98	#59 X-Ray Grou		
0122.COMP	5	9:11	23:33:09.0	04:33:08	300	98	#59 X-Ray Grou		
0123.021810p56	90	9:13	02:18:10.0	56:59:52	300	98	#83 h/chi Pers		
0124.021810p57	240	9:15	02:18:10.0	57:00:39	300	98	#83 h/chi Pers		
0125.021810p57	300	9:19	02:18:10.0	57:16:16	300	98	#83 h/chi Pers		
0126.COMP	5	9:24	02:18:10.0	57:16:16	300	98	#83 h/chi Pers		
0127.021813p57	120	9:25	02:18:14.0	57:16:57	300	98	#83 h/chi Pers		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
128.129.021815p57	20	9:27	02:18:15.0	57:10:16	300	98	#83 h/chi Pers		Be*!
0130.COMP	5	9:29	02:18:14.0	57:10:16	300	98	#83 h/chi Pers		
0131.021817p56	120	9:30	02:18:17.0	56:58:05	300	98	#83 h/chi Pers		
0132.021819p57	180	9:32	02:18:19.0	57:16:17	300	98	#83 h/chi Pers		seeing 2-3
0133.021821p56	120	9:35	02:18:21.0	56:58:08	300	98	#83 h/chi Pers		
0134.COMP	5	9:38	02:18:21.0	56:58:08	300	98	#83 h/chi Pers		
0135.021821p56	120	9:38	02:18:21.0	56:58:40	300	98	#83 h/chi Pers		
0136.021825p57	120	9:41	02:18:25.0	57:15:52	300	98	#83 h/chi Pers		
0137.021825p57	210	9:43	02:18:25.0	57:18:59	300	98	#83 h/chi Pers		
0138.COMP	5	9:47	02:18:25.0	57:18:59	300	98	#83 h/chi Pers		
0139.021827p56	20	9:47	02:18:26.0	56:58:09	300	98	#83 h/chi Pers		
0140.021828p56	60	9:48	02:18:27.0	56:58:21	300	98	#83 h/chi Pers		
0141.021828p56	60	9:50	02:18:27.0	56:59:48	300	98	#83 h/chi Pers		
0142.COMP	5	9:51	02:18:27.0	56:59:48	300	98	#83 h/chi Pers		
0143.021832p57	10	9:51	02:18:32.0	57:12:39	300	98	#83 h/chi Pers		
0144.021832p57	75	9:52	02:18:32.0	57:19:08	300	98	#83 h/chi Pers		
0145.021833p57	30	9:53	02:18:33.0	57:19:17	300	98	#83 h/chi Pers		
0146.COMP	5	9:54	02:18:33.0	57:19:17	300	98	#83 h/chi Pers		
0147.021835p57	180	9:55	02:18:35.0	57:19:57	300	98	#83 h/chi Pers		
0148.021837p56	240	9:58	02:18:37.0	56:59:20	300	98	#83 h/chi Pers		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0149.021840p57	30	10:02	02:18:40.0	57:17:49	300	98	#83 h/chi Pers		
0150.COMP	5	10:03	02:18:40.0	57:17:49	300	98	#83 h/chi Pers		
0151.021841p57	60	10:04	02:18:41.0	57:16:50	300	98	#83 h/chi Pers		
0152.021844p56	90	10:05	02:18:43.0	56:57:31	300	98	#83 h/chi Pers		
0153.021847p57	10	10:07	02:18:47.0	57:08:04	300	98	#83 h/chi Pers		
0154.COMP	5	10:07	02:18:47.0	57:08:04	300	98	#83 h/chi Pers		
0155.021847p57	10	10:08	02:18:47.0	57:17:07	300	98	#83 h/chi Pers		
0156.021848p57	10	10:08	02:18:47.0	57:04:01	300	98	#83 h/chi Pers		Be*
0157.021848p57	10	10:09	02:18:47.0	57:14:24	300	98	#83 h/chi Pers		Be*, blended with comp to west
0158.COMP	5	10:09	02:18:47.0	57:14:24	300	98	#83 h/chi Pers		
0159.021848p57	10	10:11	02:18:47.0	57:14:24	300	98	#83 h/chi Pers		same as file 157; but binby2; ignore fainter comp to west please
0160.COMP	10	10:09	02:18:47.0	57:14:24	300	98	#83 h/chi Pers		
0161.021849p57	10	10:14	02:18:48.0	57:05:49	300	98	#83 h/chi Pers		
0162.021849p57	45	10:14	02:18:48.0	57:07:17	300	98	#83 h/chi Pers		
0163.021851p57	130	10:15	02:18:50.0	57:19:22	300	98	#83 h/chi Pers		
0164.COMP	5	10:18	02:18:50.0	57:19:22	300	98	#83 h/chi Pers		
0165.021853p57	60	10:19	02:18:53.0	57:08:20	300	98	#83 h/chi Pers		
0166.021854p57	75	10:20	02:18:53.0	57:18:07	300	98	#83 h/chi Pers		
0167.021858p57	110	10:25	02:18:57.0	57:08:50	300	98	#83 h/chi Pers		ignore fainter comp to E
0168.COMP	5	10:27	02:18:57.0	57:08:50	300	98	#83 h/chi Pers		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0169.021900p57	120	10:28	02:19:00.0	57:07:21	300	98	#83 h/chi Pers		
0170.021900p57	20	10:30	02:18:58.0	57:08:40	300	98	#83 h/chi Pers		ignore fainter comp to W
0171.021902p56	150	10:31	02:19:00.0	56:58:06	300	98	#83 h/chi Pers		
0172.COMP	5	10:34	02:19:00.0	56:58:06	300	98	#83 h/chi Pers		
0173.021904p57	210	10:34	02:19:02.0	57:08:38	300	98	#83 h/chi Pers		Be*
0174.021904p57	120	10:38	02:19:02.0	57:20:56	300	98	#83 h/chi Pers		
0175.021905p56	20	10:41	02:19:03.0	56:57:31	300	98	#83 h/chi Pers		
0176.COMP	5	10:41	02:19:03.0	56:57:31	300	98	#83 h/chi Pers		
0177.021906p57	60	10:42	02:19:04.0	57:08:51	300	98	#83 h/chi Pers		
0178.021908p57	60	10:43	02:19:06.0	57:03:48	300	98	#83 h/chi Pers		Be*
0179.021910p56	75	10:45	02:19:08.0	56:56:18	300	98	#83 h/chi Pers		
0180.COMP	5	10:46	02:19:08.0	56:56:18	300	98	#83 h/chi Pers		
0181.021911p57	180	10:48	02:19:09.0	57:18:05	300	98	#83 h/chi Pers		
0182.021913p56	120	10:51	02:19:12.0	56:56:43	300	98	#83 h/chi Pers		
0183.021913p57	30	10:54	02:19:12.0	57:07:41	300	98	#83 h/chi Pers		Be*
0184.COMP	5	10:54	02:19:12.0	57:07:41	300	98	#83 h/chi Pers		
0185.021922p56	180	10:55	02:19:22.0	56:58:51	300	98	#83 h/chi Pers		
0186.021925p56	180	10:58	02:19:24.0	56:57:51	300	98	#83 h/chi Pers		
0187.021926p57	10	11:01	02:19:25.0	57:04:41	300	98	#83 h/chi Pers		Be*
0188.COMP	5	11:02	02:19:25.0	57:04:41	300	98	#83 h/chi Pers		

UT Date 09/22/00 Observers P BerlindColl. Focus 965 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0189.021928p57	15	11:02	02:19:28.0	57:07:03	300	98	#83 h/chi Pers		Be*
0190.021929p57	60	11:03	02:19:28.0	57:11:23	300	98	#83 h/chi Pers		Be*
0191.021935p56	90	11:05	02:19:34.0	56:59:45	300	98	#83 h/chi Pers		
0192.COMP	5	11:07	02:19:34.0	56:59:45	300	98	#83 h/chi Pers		
0193.021938p57	180	11:08	02:19:37.0	57:16:27	300	98	#83 h/chi Pers		
0194.021938p57	180	11:11	02:19:37.0	57:20:29	300	98	#83 h/chi Pers		seeing pretty rough
0195.021940p57	180	11:15	02:19:38.0	57:00:18	300	98	#83 h/chi Pers		
0196.COMP	5	11:18	02:19:38.0	57:00:18	300	98	#83 h/chi Pers		
0197.021941p56	180	11:19	02:19:39.0	56:58:04	300	98	#83 h/chi Pers		
0198.021942p56	20	11:22	02:19:41.0	56:58:45	300	98	#83 h/chi Pers		
0199.021942p56	210	11:23	02:19:42.0	56:58:53	300	98	#83 h/chi Pers		
0200.COMP	5	11:27	02:19:42.0	56:58:53	300	98	#83 h/chi Pers		
0201.021944p57	180	11:27	02:19:43.0	57:17:59	300	98	#83 h/chi Pers		
0202.021945p57	60	11:30	02:19:44.0	57:00:13	300	98	#83 h/chi Pers		
0203.021945p57	60	11:32	02:19:43.0	57:01:17	300	98	#83 h/chi Pers		
0204.COMP	5	11:33	02:19:43.0	57:01:17	300	98	#83 h/chi Pers		
0205.021947p57	45	11:33	02:19:46.0	57:00:57	300	98	#83 h/chi Pers		
0206.021947p57	45	11:34	02:19:47.0	57:06:39	300	98	#83 h/chi Pers		Be*
0207.021948p57	150	11:35	02:19:47.0	57:00:28	300	98	#83 h/chi Pers		
0208.COMP	5	11:38	02:19:46.0	57:00:28	300	98	#83 h/chi Pers		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0209.021949p56	120	11:39	02:19:47.0	56:58:08	300	98	#83 h/chi Pers		
0210.021951p56	120	11:41	02:19:50.0	56:59:59	300	98	#83 h/chi Pers		
0211.021952p57	120	11:43	02:19:50.0	57:17:30	300	98	#83 h/chi Pers		
0212.COMP	5	11:46	02:19:50.0	57:17:30	300	98	#83 h/chi Pers		
0213.021955p57	10	11:46	02:19:55.0	57:19:04	300	98	#83 h/chi Pers		
0214.021957p57	30	11:47	02:19:56.0	57:17:33	300	98	#83 h/chi Pers		
0215.021958p57	60	11:47	02:19:57.0	57:00:35	300	98	#83 h/chi Pers		
0216.COMP	5	11:49	02:19:57.0	57:00:35	300	98	#83 h/chi Pers		
0217.HD12623	2	11:50	02:09:36.2	63:10:14	300	98	#57 Velocity S		
0218.HD12623	2	11:50	02:09:41.2	63:10:14	300	98	#57 Velocity S		
0219.HD12623	2	11:50	02:09:37.2	63:10:14	300	98	#57 Velocity S		
0220.COMP	5	11:51	02:09:42.2	63:10:14	300	98	#57 Velocity S		
0221.HZ14	300	11:54	04:41:10.0	10:59:42	300	0	#56 Photometri		
0222.COMP	5	11:59	04:41:10.0	10:59:42	300	0	#56 Photometri		
0223.NGC1700	180	12:00	04:57:05.0	-04:52:22	300	0	#57 Velocity S		
0224.COMP	5	12:03	04:57:05.0	-04:52:22	300	0	#57 Velocity S		
0225.2M022410.	120	12:06	02:24:09.0	43:17:35	300	90	#68 2MASS Reds		
0226.COMP	5	12:08	02:24:09.0	43:17:35	300	90	#68 2MASS Reds		
0227.2M022447.	180	12:09	02:24:47.0	41:40:52	300	90	#68 2MASS Reds		
0228.COMP	5	12:12	02:24:47.0	41:40:52	300	90	#68 2MASS Reds		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0229.2M022527.	120	12:13	02:25:27.0	41:53:48	300	90	#68 2MASS Reds		
0230.COMP	5	12:15	02:25:27.0	41:53:48	300	90	#68 2MASS Reds		
0231.2M023027.	150	12:16	02:30:27.0	41:26:44	300	90	#68 2MASS Reds		
0232.COMP	5	12:18	02:30:27.0	41:26:44	300	90	#68 2MASS Reds		
0233.2M023239.	120	12:19	02:32:40.0	42:25:43	300	90	#68 2MASS Reds		
0234.COMP	5	12:21	02:32:40.0	42:25:43	300	90	#68 2MASS Reds		clear and chilly @ dawn
235.244.BIAS	0	12:23	05:06:32.0	42:25:43	300	90	#57 Velocity S		
245.254.FLAT	8	12:25	05:08:11.0	42:25:43	300	90	#57 Velocity S		
255.264.BIAS	0	12:28	05:11:02.0	42:25:43	300	90	#57 Velocity S		
265.264.FLAT	16	12:30	05:13:41.0	42:25:43	300	90	#57 Velocity S		
0266.FLAT	16	12:31	05:14:10.0	42:25:43	300	90	#57 Velocity S		
0267.FLAT	16	12:31	05:14:40.0	42:25:43	300	90	#57 Velocity S		
0268.FLAT	16	12:32	05:15:11.0	42:25:43	300	90	#57 Velocity S		
0269.FLAT	16	12:32	05:15:41.0	42:25:43	300	90	#57 Velocity S		
0270.FLAT	16	12:33	05:16:10.0	42:25:43	300	90	#57 Velocity S		
0271.FLAT	16	12:33	05:16:44.0	42:25:43	300	90	#57 Velocity S		
0272.FLAT	16	12:34	05:17:14.0	42:25:43	300	90	#57 Velocity S		
0273.FLAT	16	12:34	05:17:44.0	42:25:43	300	90	#57 Velocity S		
0274.FLAT	16	12:35	05:18:14.0	42:25:43	300	90	#57 Velocity S		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
01.10.FLAT	90	23:42	16:28:20.0	31:30:11	1200	90	#100 BGGem		12001; 1.5slit; tilt @ H-alpha
11.14.DARK	900	0:12	17:11:53.0	31:30:09	300	90	#57 Velocity S		
15.24.BIAS	0	1:15	18:00:19.0	31:30:07	300	90	#57 Velocity S		happy equinox!
25.34.FLAT	8	1:17	18:01:53.0	31:30:07	300	90	#57 Velocity S		
35.44.BIAS	0	1:20	18:04:53.0	31:30:07	300	90	#57 Velocity S		
45.54.FLAT	16	1:22	18:07:36.0	31:30:07	300	90	#57 Velocity S		clear skies; breezy
55.59.sky	2	1:35	18:15:43.0	32:01:04	300	90	#57 Velocity S		
0060.COMP	5	1:37	18:15:43.0	32:01:04	300	90	#57 Velocity S		
61.63.HD192281	4	1:58	20:12:33.0	40:16:05	300	90	#56 Photometri		
0064.COMP	5	1:59	20:12:33.0	40:16:05	300	90	#56 Photometri		
0065.2M181251.	60	2:07	18:12:51.0	25:30:41	300	90	#68 2MASS Reds		too wk; re-done as file 89
0066.COMP	5	2:09	18:12:51.0	25:30:41	300	90	#68 2MASS Reds		
0067.2M181146.	70	2:09	18:11:46.0	24:57:05	300	90	#68 2MASS Reds		wk; em
0068.COMP	5	2:11	18:11:46.0	24:57:05	300	90	#68 2MASS Reds		
0069.2M181138.	150	2:13	18:11:38.0	25:39:27	300	90	#68 2MASS Reds		wk; em
0070.COMP	5	2:16	18:11:38.0	25:39:27	300	90	#68 2MASS Reds		
0071.2M181045.	180	2:17	18:10:45.0	25:12:19	300	90	#68 2MASS Reds		wk
0072.COMP	5	2:20	18:10:45.0	25:12:19	300	90	#68 2MASS Reds		
0073.2M180833.	120	2:21	18:08:34.0	08:35:05	300	90	#68 2MASS Reds		
0074.COMP	5	2:23	18:08:34.0	08:35:05	300	90	#68 2MASS Reds		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0075.2M180339.	120	2:24	18:03:39.0	12:01:32	300	90	#68 2MASS Reds		
0076.COMP	5	2:26	18:03:39.0	12:01:32	300	90	#68 2MASS Reds		
0077.2M175622.	120	2:27	17:56:23.0	12:36:01	300	90	#68 2MASS Reds		
0078.COMP	5	2:29	17:56:23.0	12:36:01	300	90	#68 2MASS Reds		
0079.2M175618.	120	2:30	17:56:18.0	13:11:25	300	90	#68 2MASS Reds		
0080.COMP	5	2:32	17:56:18.0	13:11:25	300	90	#68 2MASS Reds		
0081.2M181154.	120	2:33	18:11:56.0	07:43:49	300	90	#68 2MASS Reds		
0082.COMP	5	2:35	18:11:56.0	07:43:49	300	90	#68 2MASS Reds		
0083.2M181221.	120	2:35	18:12:22.0	08:47:14	300	90	#68 2MASS Reds	wk	
0084.COMP	5	2:38	18:12:22.0	08:47:14	300	90	#68 2MASS Reds		
0085.2M181250.	120	2:38	18:12:51.0	07:30:05	300	90	#68 2MASS Reds		
0086.COMP	5	2:41	18:12:51.0	07:30:05	300	90	#68 2MASS Reds		
0087.2M181317.	240	2:41	18:13:19.0	07:30:21	300	90	#68 2MASS Reds		
0088.COMP	5	2:46	18:13:19.0	07:30:21	300	90	#68 2MASS Reds		
0089.2M181251.	90	2:46	18:12:50.0	25:30:41	300	90	#68 2MASS Reds	ok	
0090.COMP	5	2:48	18:12:50.0	25:30:41	300	90	#68 2MASS Reds		
0091.2M173749.	90	2:49	17:37:45.0	57:06:39	300	90	#68 2MASS Reds		
0092.COMP	5	2:51	17:37:44.0	57:06:39	300	90	#68 2MASS Reds		
0093.2M174128.	120	2:52	17:41:21.0	68:57:30	300	90	#68 2MASS Reds		
0094.COMP	5	2:54	17:41:21.0	68:57:30	300	90	#68 2MASS Reds		

UT Date 09/23/00 Observers P BerlindColl. Focus 985 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0095.2M175043.	120	2:55	17:50:36.0	72:40:59	300	90	#68 2MASS Reds		
0096.COMP	5	2:57	17:50:35.0	72:40:59	300	90	#68 2MASS Reds		
0097.2M181301.	120	2:59	18:13:00.0	57:09:20	300	90	#68 2MASS Reds		
0098.COMP	5	3:01	18:13:00.0	57:09:20	300	90	#68 2MASS Reds		
0099.2M181809.	120	3:02	18:18:08.0	54:30:56	300	90	#68 2MASS Reds		
0100.2M181809.	120	3:04	18:18:08.0	54:30:56	300	90	#68 2MASS Reds		sup * next to nucleus
0101.COMP	5	3:07	18:18:08.0	54:30:56	300	90	#68 2MASS Reds		
0102.2M182945.	90	3:07	18:29:44.0	45:01:15	300	90	#68 2MASS Reds		dang, sup *; redo
0103.COMP	5	3:09	18:29:44.0	45:01:15	300	90	#68 2MASS Reds		
0104.id2831	180	3:10	19:58:50.0	35:23:38	300	90	#115 PMS NGC68		
0105.id2811	150	3:14	19:58:56.0	35:06:19	300	90	#115 PMS NGC68		brt * to west
0106.id2711	120	3:17	19:59:33.0	35:17:23	300	90	#115 PMS NGC68		
0107.COMP	5	3:19	19:59:33.0	35:17:23	300	90	#115 PMS NGC68		
0108.id2592	120	3:20	20:03:59.0	35:50:43	300	70	#115 PMS NGC68		
0109.id2585	90	3:23	20:04:00.0	35:47:24	300	70	#115 PMS NGC68		
0110.id2580	90	3:25	20:04:01.0	35:47:22	300	70	#115 PMS NGC68		
0111.COMP	5	3:27	20:04:01.0	35:47:22	300	70	#115 PMS NGC68		
0112.id2475	240	3:28	20:04:21.0	35:38:49	300	70	#115 PMS NGC68		
0113.id2858	180	3:33	19:58:42.0	35:18:27	300	70	#115 PMS NGC68		
0114.id2888	180	3:36	19:58:28.0	35:12:21	300	90	#115 PMS NGC68		

UT Date 09/23/00 Observers P BerlindColl. Focus 985 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0115.COMP	5	3:39	19:58:27.0	35:12:21	300	90	#115 PMS NGC68		
0116.id1315	180	3:40	20:07:02.0	35:49:46	300	90	#115 PMS NGC68		
0117.id1319	180	3:43	20:07:01.0	35:39:06	300	90	#115 PMS NGC68		
0118.id1437	180	3:47	20:06:49.0	35:39:00	300	90	#115 PMS NGC68		
0119.COMP	5	3:50	20:06:49.0	35:39:00	300	90	#115 PMS NGC68		
0120.id163	180	3:51	20:05:40.0	35:42:50	300	90	#115 PMS NGC68		
0121.id2765	180	3:54	19:59:14.0	35:15:55	300	90	#115 PMS NGC68		
0122.id1890	180	3:57	20:05:54.0	35:46:44	300	90	#115 PMS NGC68		
0123.COMP	5	4:01	20:05:54.0	35:46:44	300	90	#115 PMS NGC68		
0124.id2068	180	4:01	20:05:28.0	35:48:29	300	90	#115 PMS NGC68		
0125.id2877	180	4:05	19:58:34.0	35:19:39	300	90	#115 PMS NGC68		
0126.id1498	180	4:08	20:06:41.0	35:44:29	300	90	#115 PMS NGC68		
0127.COMP	5	4:12	20:06:41.0	35:44:29	300	90	#115 PMS NGC68		
0128.id159	180	4:12	20:05:39.0	35:40:32	300	90	#115 PMS NGC68		
0129.id2255	180	4:15	20:05:05.0	35:40:36	300	90	#115 PMS NGC68		
0130.id2769	180	4:19	19:59:13.0	35:09:40	300	90	#115 PMS NGC68		
0131.COMP	5	4:22	19:59:13.0	35:09:40	300	90	#115 PMS NGC68		
0132.id1481	180	4:23	20:06:44.0	35:51:21	300	90	#115 PMS NGC68		
0133.id1999	180	4:27	20:05:40.0	35:40:59	300	90	#115 PMS NGC68		
0134.id2696	180	4:30	19:59:40.0	35:24:47	300	90	#115 PMS NGC68		

UT Date 09/23/00 Observers P BerlindColl. Focus 985 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0135.COMP	5	4:33	19:59:40.0	35:24:47	300	90	#115 PMS NGC68		
0136.id69	180	4:34	20:05:50.0	35:45:50	300	90	#115 PMS NGC68		
0137.COMP	5	4:37	20:07:05.0	35:51:11	300	90	#115 PMS NGC68		
0137.id1286	180	4:38	20:07:05.0	35:51:11	300	90	#115 PMS NGC68		
0138.id1306	180	4:41	20:07:03.0	35:56:17	300	90	#115 PMS NGC68		
0139.COMP	5	4:45	20:07:03.0	35:56:17	300	90	#115 PMS NGC68		
0140.id2072	180	4:45	20:05:28.0	35:49:31	300	90	#115 PMS NGC68		
0141.id2414	180	4:49	20:04:32.0	35:56:06	300	90	#115 PMS NGC68		
0142.id99	180	4:52	20:05:50.0	35:44:11	300	90	#115 PMS NGC68		
0143.COMP	5	4:56	20:05:50.0	35:44:11	300	90	#115 PMS NGC68		
144.145.MRK509	180	4:58	20:44:16.0	-10:43:24	300	20	#6 AGN Monitor		
0146.COMP	5	5:04	20:44:16.0	-10:43:24	300	20	#6 AGN Monitor		
147.148.BDp2842	11 30	5:06	21:51:11.0	28:51:50	300	90	#56 Photometri		
0149.COMP	10	5:08	21:51:11.0	28:51:50	300	90	#56 Photometri		
0150.214330p07	1020	5:11	21:46:05.0	07:52:10	300	-11	#113 Galaxy In		
0151.COMP	10	5:28	21:46:05.0	07:52:10	300	-11	#113 Galaxy In		
0152.214330p07	1020	5:29	21:46:00.0	07:51:07	300	-11	#113 Galaxy In		
0153.COMP	10	5:47	21:46:00.0	07:51:07	300	-11	#113 Galaxy In		
0154.214436p38	1020	5:49	21:46:28.0	38:28:47	300	90	#113 Galaxy In		
0155.COMP	10	6:06	21:46:28.0	38:28:47	300	90	#113 Galaxy In		

UT Date 09/23/00 Observers P BerlindColl. Focus 985 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0156.214436p38	900	6:07	21:46:41.0	38:29:57	300	90	#113 Galaxy In		
0157.COMP	10	6:22	21:46:41.0	38:29:57	300	90	#113 Galaxy In		
0158.220854p41	600	6:23	22:11:03.0	41:16:58	300	100	#113 Galaxy In		
0159.COMP	10	6:34	22:11:03.0	41:16:58	300	100	#113 Galaxy In		
0160.220854p41	1200	6:35	22:10:51.0	41:15:26	300	42	#113 Galaxy In		
0161.COMP	10	6:56	22:10:51.0	41:15:26	300	42	#113 Galaxy In		
162.163.Akn564	180	6:57	22:42:40.0	29:43:31	300	77	#6 AGN Monitor		
0164.COMP	5	7:04	22:42:40.0	29:43:31	300	77	#6 AGN Monitor		
165.166.N7469	120	7:05	23:03:21.0	08:52:27	300	25	#6 AGN Monitor		
0167.COMP	5	7:10	23:03:21.0	08:52:27	300	25	#6 AGN Monitor		
0168.Feige110	120	7:11	23:20:04.0	-05:09:56	300	15	#56 Photometri		
0169.COMP	10	7:14	23:20:04.0	-05:09:56	300	15	#56 Photometri		
0170.SN2000dg	1200	7:18	00:06:19.0	08:53:17	300	5	#2 SN Observat		
0171.COMP	10	7:38	00:06:19.0	08:53:17	300	5	#2 SN Observat		
0172.SN2000dk	900	7:41	01:07:23.0	32:24:23	300	95	#2 SN Observat		
0173.COMP	10	7:57	01:07:23.0	32:24:23	300	95	#2 SN Observat		
174.175.MRK335	120	7:58	00:06:23.0	20:12:11	300	37	#6 AGN Monitor		
0176.COMP	5	8:03	00:06:23.0	20:12:11	300	37	#6 AGN Monitor		
177.180.ZAnd	2	8:05	23:33:38.0	48:49:06	300	100	#12 Symbiotic		
0181.COMP	5	8:07	23:33:38.0	48:49:06	300	100	#12 Symbiotic		

UT Date 09/23/00 Observers P BerlindColl. Focus 985 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0182.a119c_428	420	8:10	01:05:26.0	-00:54:00	300	90	#64 Cluster In		a few clouds to s and e
0183.COMP	5	8:17	01:05:26.0	-00:54:00	300	90	#64 Cluster In		
0184.a119c_427	360	8:18	01:10:18.0	00:07:47	300	90	#64 Cluster In		
0185.COMP	5	8:24	01:10:18.0	00:07:47	300	90	#64 Cluster In		
0186.a119c_432	420	8:25	01:00:58.0	-03:12:19	300	90	#64 Cluster In		
0187.COMP	5	8:32	01:00:58.0	-03:12:19	300	90	#64 Cluster In		
0188.a119c_454	300	8:33	00:49:35.0	-02:54:24	300	90	#64 Cluster In		
0189.COMP	5	8:38	00:49:35.0	-02:54:24	300	90	#64 Cluster In		
0190.a119c_453	480	8:39	01:01:42.0	-02:56:25	300	90	#64 Cluster In		
0191.COMP	5	8:48	01:01:42.0	-02:56:25	300	90	#64 Cluster In		
0192.a119c_455	330	8:48	01:01:40.0	-03:16:35	300	90	#64 Cluster In		
0193.COMP	5	8:54	01:01:40.0	-03:16:35	300	90	#64 Cluster In		
0194.a119c_456	420	8:55	00:56:20.0	00:54:22	300	90	#64 Cluster In		clouds increasing...
0195.COMP	5	9:02	00:56:19.0	00:54:22	300	90	#64 Cluster In		
0196.a119c_458	600	9:03	01:06:51.0	00:10:51	300	90	#64 Cluster In		
0197.COMP	5	9:13	01:06:51.0	00:10:51	300	90	#64 Cluster In		
0198.a119c_467	720	9:15	00:51:50.0	-00:17:25	300	90	#64 Cluster In		
0199.COMP	5	9:28	00:51:50.0	-00:17:25	300	90	#64 Cluster In		
0200.a119c_468	540	9:28	00:49:48.0	-00:21:54	300	90	#64 Cluster In		
0201.COMP	5	9:38	00:49:48.0	-00:21:54	300	90	#64 Cluster In		

UT Date 09/23/00 Observers P BerlindColl. Focus 985 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0202.a119c_469	720	9:38	01:01:35.0	-01:50:07	300	90	#64 Cluster In		clouds leaving already
0203.COMP	5	9:51	01:01:35.0	-01:50:07	300	90	#64 Cluster In		
0204.a119c_475	600	9:53	01:02:54.0	-02:35:38	300	90	#64 Cluster In		
0205.COMP	5	10:03	01:02:54.0	-02:35:38	300	90	#64 Cluster In		
0206.a119c_478	480	10:04	00:53:29.0	-03:16:15	300	90	#64 Cluster In		
0207.COMP	5	10:12	00:53:29.0	-03:16:15	300	90	#64 Cluster In		
0208.a119c_480	480	10:13	00:56:26.0	-01:48:49	300	90	#64 Cluster In		
0209.COMP	5	10:21	00:56:26.0	-01:48:49	300	90	#64 Cluster In		
0210.a119c_482	360	10:22	01:07:32.0	-00:58:59	300	90	#64 Cluster In		
0211.COMP	5	10:28	01:07:32.0	-00:58:59	300	90	#64 Cluster In		
0212.a119c_485	360	10:29	01:03:07.0	-02:32:37	300	90	#64 Cluster In		
0213.COMP	5	10:35	01:03:07.0	-02:32:37	300	90	#64 Cluster In		
0214.021857p57	150	10:38	02:18:58.0	57:07:43	300	45	#83 h/chi Pers		
0215.021913p57	300	10:41	02:19:12.0	57:07:29	300	45	#83 h/chi Pers		
0216.021958p57	60	10:46	02:19:58.0	57:20:10	300	45	#83 h/chi Pers		
0217.COMP	5	10:47	02:19:58.0	57:20:10	300	45	#83 h/chi Pers		
0218.021938p57	130	10:49	02:19:40.0	57:16:11	300	45	#83 h/chi Pers		
0219.021938p57	45	10:52	02:19:41.0	57:16:12	300	45	#83 h/chi Pers		
0220.022000p56	75	10:53	02:20:02.0	56:58:24	300	45	#83 h/chi Pers		
0221.COMP	5	10:55	02:20:02.0	56:58:24	300	45	#83 h/chi Pers		

UT Date 09/23/00 Observers P BerlindColl. Focus 985 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0222.022001p57	120	10:57	02:20:01.0	57:10:42	300	90	#83 h/chi Pers		
0223.022002p57	150	10:59	02:20:00.0	57:02:38	300	90	#83 h/chi Pers		
0224.022002p57	30	11:02	02:20:01.0	57:11:18	300	90	#83 h/chi Pers		
0225.COMP	5	11:03	02:20:01.0	57:11:18	300	90	#83 h/chi Pers		
0226.022002p57	180	11:03	02:20:00.0	57:11:25	300	90	#83 h/chi Pers		
0227.022004p56	210	11:07	02:20:02.0	56:59:07	300	90	#83 h/chi Pers		ignore fainter * to E
0228.022004p57	30	11:10	02:20:02.0	57:03:19	300	90	#83 h/chi Pers		
0229.COMP	5	11:11	02:20:02.0	57:03:19	300	90	#83 h/chi Pers		
0230.022004p57	120	11:12	02:20:03.0	57:19:04	300	90	#83 h/chi Pers		
0231.022005p57	120	11:14	02:20:03.0	57:04:13	300	90	#83 h/chi Pers		
0232.022006p57	30	11:17	02:20:04.0	57:07:27	300	90	#83 h/chi Pers		
0233.COMP	5	11:17	02:20:04.0	57:07:27	300	90	#83 h/chi Pers		
0234.022007p57	120	11:18	02:20:05.0	57:18:55	300	90	#83 h/chi Pers		
0235.022008p57	120	11:20	02:20:06.0	57:02:14	300	90	#83 h/chi Pers		
0236.022008p57	120	11:23	02:20:05.0	57:07:11	300	90	#83 h/chi Pers		
0237.COMP	5	11:25	02:20:05.0	57:07:11	300	90	#83 h/chi Pers		
0238.HD12623	4	11:26	02:09:39.2	63:10:14	300	90	#57 Velocity S		
0239.HD12623	4	11:26	02:09:40.2	63:10:14	300	90	#57 Velocity S		
0240.HD12623	4	11:26	02:09:38.2	63:10:14	300	90	#57 Velocity S		
0241.COMP	5	11:27	02:09:36.2	63:10:14	300	90	#57 Velocity S		

UT Date 09/23/00 Observers P BerlindColl. Focus 985 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0242.BGGem	180	11:28	06:03:32.0	27:41:50	300	90	#100 BGGem		
0243.BGGem	900	11:32	06:03:31.0	27:41:50	300	90	#100 BGGem		
0244.COMP	10	11:47	06:03:31.0	27:41:50	300	90	#100 BGGem		
245.249.FLAT	16	11:48	06:03:31.0	27:41:50	300	90	#100 BGGem		now or never
250.254.FLAT	8	11:50	06:03:31.0	27:41:50	300	90	#100 BGGem		
0255.test	5	11:54	06:03:31.0	27:41:50	1200	90	#100 BGGem		1200l; 1.5 slit
0256.BGGem	180	11:57	06:03:37.0	27:41:50	1200	90	#100 BGGem		
0257.BGGem	360	12:01	06:03:37.0	27:41:50	1200	90	#100 BGGem		clouds moving in fast
0258.BGGem	360	12:07	06:03:35.0	27:41:50	1200	90	#100 BGGem		ok
0259.COMP	10	12:14	06:03:35.0	27:41:50	1200	90	#100 BGGem		
0260.hiltner60	120	12:15	06:47:55.2	02:08:02	1200	90	#100 BGGem		lots of clouds @ dawn
0261.COMP	10	12:18	06:47:55.2	02:08:02	1200	90	#100 BGGem		
262.263.hd52971	10	12:19	07:04:09.7	27:09:11	1200	90	#100 BGGem		
0264.COMP	10	12:20	07:04:09.7	27:09:11	1200	90	#100 BGGem		
265.274.FLAT	90	12:23	05:14:44.4	27:17:05	1200	90	#100 BGGem		
275.284.BIAS	0	12:42	05:31:43.8	27:15:52	1200	90	#100 BGGem		
285.294.BIAS	0	12:44	05:34:12.8	27:15:41	1200	90	#100 BGGem		
0295.DARK	1200	12:46	05:56:26.1	27:14:04	1200	90	#100 BGGem		
0296.DARK	1200	13:07	06:16:53.0	27:12:35	1200	90	#100 BGGem		
0297.DARK	1200	13:27	06:37:09.6	27:11:07	1200	90	#100 BGGem		

UT Date 09/23/00 Observers P BerlindColl. Focus 985 Filter none

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Program</i>	<i>Bin</i>	<i>Comments (& Slit)</i>
0298.DARK	1200	13:47	06:57:26.0	27:09:40	1200	90	#100 BGGem		
0299.DARK	1200	14:07	07:17:44.1	27:08:15	1200	90	#100 BGGem		

UT Date 2000-09-24 Observers P BerlindColl. Focus 1000 Grating/Grism 1200

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	20:37	13:24:57.0	31:30:23	1200	90	1.5	#100 BGGem	4	
0011-0015.DARK	900	22:05	13:24:57.0	31:30:23	1200	90	1.5	#100 BGGem	4	
0016-0025.BIAS	0	22:56	15:44:52.0	31:30:14	1200	90	1.5	#100 BGGem	4	
0026-0035.FLAT	6	23:57	16:45:44.0	31:30:11	1200	90	1.5	#100 BGGem	4	
0036-0045.BIAS	0	0:05	16:54:12.0	31:30:10	1200	90	1.5	#100 BGGem	2	
0046-0055.FLAT	12	0:19	17:07:52.0	31:30:10	1200	90	1.5	#100 BGGem	2	
0056.sky	2	1:34	18:22:59.0	31:30:07	300	90	3.0	#57 Velocity S	2	
0057-0058.sky	5	1:35	18:24:37.0	31:30:07	300	90	3.0	#57 Velocity S	2	
0059-0061.sky	5	1:37	18:26:23.0	31:30:06	300	90	3.0	#57 Velocity S	2	
0062.COMP	10	1:38	18:27:24.0	31:30:06	300	90	3.0	#57 Velocity S	2	
0063.sky	5	1:39	18:28:15.0	31:30:06	300	90	3.0	#57 Velocity S	4	
0064-0069.sky	10	1:41	18:30:45.0	31:30:06	300	90	3.0	#57 Velocity S	4	
0070.COMP	5	1:42	18:31:53.0	31:30:06	300	90	3.0	#57 Velocity S	4	
0071.id1314	300	2:13	20:07:03.2	35:42:56	300	90	3.0	#115 PMS NGC68	2	
0072.COMP	10	2:19	20:07:03.2	35:42:56	300	90	3.0	#115 PMS NGC68	2	
0073.id1426	300	2:23	20:06:51.4	35:48:17	300	90	3.0	#115 PMS NGC68	2	
0074.COMP	10	2:29	20:06:51.4	35:48:17	300	90	3.0	#115 PMS NGC68	2	
0075.id146	300	2:30	20:05:30.6	35:43:55	300	90	3.0	#115 PMS NGC68	2	
0076.COMP	10	2:36	20:05:30.6	35:43:55	300	90	3.0	#115 PMS NGC68	2	
0077.id1767	300	2:40	20:06:06.2	35:49:07	300	90	3.0	#115 PMS NGC68	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.COMP	10	2:45	20:06:06.2	35:49:07	300	90	3.0	#115 PMS NGC68	2	
0079.id1820	300	2:47	20:06:01.1	35:50:25	300	90	3.0	#115 PMS NGC68	2	
0080.id1865	300	2:53	20:05:57.2	35:54:19	300	90	3.0	#115 PMS NGC68	2	
0081.COMP	10	2:58	20:05:57.2	35:54:19	300	90	3.0	#115 PMS NGC68	2	
0082.id2212	300	3:01	20:05:12.2	35:38:41	300	90	3.0	#115 PMS NGC68	2	
0083.id2717	300	3:07	19:59:32.2	35:20:00	300	90	3.0	#115 PMS NGC68	2	
0084.COMP	10	3:13	19:59:32.2	35:20:00	300	90	3.0	#115 PMS NGC68	2	
0085.id2894	360	3:14	19:58:24.4	35:15:32	300	90	3.0	#115 PMS NGC68	2	
0086.id1110	360	3:25	20:07:24.0	35:42:00	300	90	3.0	#115 PMS NGC68	2	companion (strong) @ 110
0087.COMP	10	3:31	20:07:24.0	35:42:00	300	90	3.0	#115 PMS NGC68	2	
0088.id1310	360	3:33	20:07:03.7	35:49:55	300	90	3.0	#115 PMS NGC68	2	
0089.id1627	360	3:40	20:06:23.1	35:54:38	300	90	3.0	#115 PMS NGC68	2	
0090.COMP	10	3:46	20:06:23.1	35:54:38	300	90	3.0	#115 PMS NGC68	2	
0091.id94	360	3:49	20:05:48.9	35:47:11	300	90	3.0	#115 PMS NGC68	2	
0092.id2284	360	4:00	20:05:00.5	35:43:55	300	90	3.0	#115 PMS NGC68	2	
0093.COMP	10	4:07	20:05:00.5	35:43:55	300	90	3.0	#115 PMS NGC68	2	
0094.id2382	360	4:08	20:04:39.6	35:36:01	300	90	3.0	#115 PMS NGC68	2	
0095.id2924	360	4:16	19:58:14.6	35:21:52	300	90	3.0	#115 PMS NGC68	2	
0096.COMP	10	4:22	19:58:14.6	35:21:52	300	90	3.0	#115 PMS NGC68	2	
0097.id1055	360	4:24	20:07:28.9	35:35:57	300	90	3.0	#115 PMS NGC68	2	

UT Date 2000-09-24 Observers P BerlindColl. Focus 1000 Grating/Grism 1200

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0098.id1455	360	4:32	20:06:47.7	35:46:21	300	90	3.0	#115 PMS NGC68	2	
0099.COMP	10	4:38	20:06:47.7	35:46:21	300	90	3.0	#115 PMS NGC68	2	
0100.id1612	360	4:40	20:06:24.1	35:39:54	300	90	3.0	#115 PMS NGC68	2	
0101.COMP	10	4:47	20:06:24.1	35:39:54	300	90	3.0	#115 PMS NGC68	2	
0102.BDp284211	30	4:52	21:51:11.0	+28:51:50	300	90	3.0	#56 Photometri	2	
0103.COMP	10	4:53	21:51:11.0	+28:51:50	300	90	3.0	#56 Photometri	2	
0104.id1656	360	4:56	20:06:19.5	35:51:10	300	90	3.0	#115 PMS NGC68	2	
0105.id1935	360	5:04	20:05:49.7	35:37:48	300	90	3.0	#115 PMS NGC68	2	
0106.COMP	10	5:10	20:05:49.7	35:37:48	300	90	3.0	#115 PMS NGC68	2	
0107.id2280	360	5:12	20:05:00.8	35:38:51	300	90	3.0	#115 PMS NGC68	2	
0108.id1484	360	5:21	20:06:43.8	35:36:12	300	90	3.0	#115 PMS NGC68	2	
0109.COMP	10	5:27	20:06:43.8	35:36:12	300	90	3.0	#115 PMS NGC68	2	
0110.id2183	360	5:29	20:05:15.6	35:36:00	300	90	3.0	#115 PMS NGC68	2	
0111.id2199	360	5:36	20:05:13.3	35:38:29	300	90	3.0	#115 PMS NGC68	2	
0112.COMP	10	5:43	20:05:13.3	35:38:29	300	90	3.0	#115 PMS NGC68	2	
0113.id2825	360	5:44	19:58:52.5	35:21:01	300	90	3.0	#115 PMS NGC68	2	
0114.COMP	10	5:53	19:58:52.5	35:21:01	300	90	3.0	#115 PMS NGC68	2	
0115.N7331	180	5:57	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0116.COMP	5	6:00	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0117.id1977	360	6:03	20:05:44.5	35:54:28	300	90	3.0	#115 PMS NGC68	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.id2036	360	6:11	20:05:34.8	35:36:07	300	90	3.0	#115 PMS NGC68	2	
0119.COMP	10	6:18	20:05:34.8	35:36:07	300	90	3.0	#115 PMS NGC68	2	
0120.id2746	360	6:19	19:59:21.9	35:05:08	300	90	3.0	#115 PMS NGC68	2	
0121.id2880	360	6:26	19:58:34.6	35:07:24	300	90	3.0	#115 PMS NGC68	2	
0122.COMP	10	6:33	19:58:34.6	35:07:24	300	90	3.0	#115 PMS NGC68	2	
0123.Feige110	150	6:44	23:19:58.4	-05:09:56	300	4	3.0	#56 Photometri	2	
0124.COMP	10	6:47	23:19:58.4	-05:09:56	300	4	3.0	#56 Photometri	2	
0125.Feige110	300	6:54	23:19:58.4	-05:09:56	300	4	3.0	#56 Photometri	2	
0126.COMP	10	6:59	23:19:58.4	-05:09:56	300	4	3.0	#56 Photometri	2	
0127.233412p17150_a	1200	7:08	23:36:40.9	17:30:53	300	90	3.0	#113 Galaxy In	2	
0128.COMP	10	7:29	23:36:40.9	17:30:53	300	90	3.0	#113 Galaxy In	2	
0129.234624p05520_a	1200	7:34	23:48:57.5	06:08:00	300	90	3.0	#113 Galaxy In	2	
0130.COMP	10	7:54	23:48:57.5	06:08:00	300	90	3.0	#113 Galaxy In	2	
0131.234624p05520_b	1200	8:00	23:49:03.1	06:09:49	300	90	3.0	#113 Galaxy In	2	
0132.COMP	10	8:21	23:49:03.1	06:09:49	300	90	3.0	#113 Galaxy In	2	
0133.SN2000cx	900	8:29	01:24:46.1	+09:30:30	300	0	3.0	#2 SN Observat	2	
0134.COMP	10	8:44	01:24:46.1	+09:30:30	300	0	3.0	#2 SN Observat	2	
0135.012118p28210_a	1200	8:51	01:24:10.2	28:36:23	300	90	3.0	#113 Galaxy In	2	
0136.COMP	10	9:12	01:24:10.2	28:36:23	300	90	3.0	#113 Galaxy In	2	
0137.012118p28210_b	1200	9:17	01:23:56.8	28:37:57	300	90	3.0	#113 Galaxy In	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0138.COMP	10	9:38	01:23:56.8	28:37:57	300	90	3.0	#113 Galaxy In	2	
0139.013848p08150_a	1200	9:41	01:41:24.4	08:31:31	300	90	3.0	#113 Galaxy In	2	
0140.COMP	10	10:02	01:41:24.4	08:31:31	300	90	3.0	#113 Galaxy In	2	
0141.013848p08150_b	1200	10:06	01:41:09.7	08:30:51	300	90	3.0	#113 Galaxy In	2	
0142.COMP	10	10:27	01:41:09.7	08:30:51	300	90	3.0	#113 Galaxy In	2	
0143.022008p571848	180	10:38	02:20:08.6	+57:18:48	300	90	3.0	#83 h/chi Pers	4	
0144.COMP	5	10:41	02:20:08.6	+57:18:48	300	90	3.0	#83 h/chi Pers	4	
0145.022009p565622	180	10:48	02:20:09.3	+56:56:22	300	90	3.0	#83 h/chi Pers	4	
0146.022009p570111	180	10:52	02:20:09.3	+57:01:11	300	90	3.0	#83 h/chi Pers	4	
0147.COMP	5	10:56	02:20:09.3	+57:01:11	300	90	3.0	#83 h/chi Pers	4	
0148.022011p570643	120	10:57	02:20:12.0	+57:06:43	300	90	3.0	#83 h/chi Pers	4	
0149.022011p571528	180	11:01	02:20:11.8	+57:15:28	300	90	3.0	#83 h/chi Pers	4	
0150.COMP	5	11:04	02:20:11.8	+57:15:28	300	90	3.0	#83 h/chi Pers	4	
0151.022012p570356	180	11:06	02:20:12.7	+57:03:56	300	90	3.0	#83 h/chi Pers	4	
0152.022012p570906	180	11:11	02:20:12.7	+57:09:06	300	90	3.0	#83 h/chi Pers	4	
0153.COMP	5	11:14	02:20:12.7	+57:09:06	300	90	3.0	#83 h/chi Pers	4	
0154.022013p571206	180	11:17	02:20:13.5	+57:12:06	300	90	3.0	#83 h/chi Pers	4	
0155.022014p570632	120	11:21	02:20:14.0	+57:06:32	300	90	3.0	#83 h/chi Pers	4	
0156.COMP	5	11:23	02:20:14.0	+57:06:32	300	90	3.0	#83 h/chi Pers	4	
0157.022014p570824	180	11:25	02:20:14.4	+57:08:24	300	90	3.0	#83 h/chi Pers	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0158.022015p570055	180	11:29	02:20:15.5	+57:00:55	300	90	3.0	#83 h/chi Pers	4	
0159.COMP	5	11:33	02:20:15.5	+57:00:55	300	90	3.0	#83 h/chi Pers	4	
0160.022015p570554	30	11:34	02:20:15.6	+57:05:54	300	90	3.0	#83 h/chi Pers	4	
0161.022015p571310	180	11:38	02:20:15.9	+57:13:10	300	90	3.0	#83 h/chi Pers	4	
0162.022016p571000	60	11:42	02:20:16.1	+57:10:00	300	90	3.0	#83 h/chi Pers	4	
0163.COMP	5	11:43	02:20:16.1	+57:10:00	300	90	3.0	#83 h/chi Pers	4	
0164.022018p570438	180	11:46	02:20:18.5	+57:04:38	300	90	3.0	#83 h/chi Pers	4	
0165.022018p570813	180	11:50	02:20:18.6	+57:08:13	300	90	3.0	#83 h/chi Pers	4	
0166.COMP	5	11:54	02:20:18.6	+57:08:13	300	90	3.0	#83 h/chi Pers	4	
0167.022019p565807	180	11:56	02:20:19.1	+56:58:07	300	90	3.0	#83 h/chi Pers	4	
0168.022019p571116	180	12:03	02:20:19.2	+57:11:16	300	90	3.0	#83 h/chi Pers	4	
0169.COMP	5	12:06	02:20:19.2	+57:11:16	300	90	3.0	#83 h/chi Pers	4	
0170.022019p571816	180	12:07	02:20:19.5	+57:18:16	300	90	3.0	#83 h/chi Pers	4	
0171.022020p571356	180	12:12	02:20:20.2	+57:13:56	300	90	3.0	#83 h/chi Pers	4	
0172.COMP	5	12:15	02:20:20.2	+57:13:56	300	90	3.0	#83 h/chi Pers	4	
0173.022023p570057	180	12:19	02:20:23.6	+57:00:57	300	90	3.0	#83 h/chi Pers	4	
0174.022024p570525	180	12:23	02:20:24.4	+57:05:25	300	90	3.0	#83 h/chi Pers	4	
0175.COMP	5	12:27	02:20:24.4	+57:05:25	300	90	3.0	#83 h/chi Pers	4	
0176-0185.FLAT	7	12:38	02:20:24.4	+57:05:25	300	90	3.0	#113 Galaxy In	4	
0186-0195.FLAT	14	12:44	02:20:24.4	+57:05:25	300	90	3.0	#113 Galaxy In	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0196-0205.BIAS	0	12:48	02:20:24.4	+57:05:25	300	90	3.0	#113 Galaxy In	2	
0206-0215.BIAS	0	12:50	02:20:24.4	+57:05:25	300	90	3.0	#113 Galaxy In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0020.BIAS	0	20:18	02:20:24.4	+57:05:25	300	90	3.0	#113 Galaxy In	4	
0021-0025.DARK	900	21:20	02:20:24.4	+57:05:25	300	90	3.0	#113 Galaxy In	4	
0026-0030.DARK	1200	22:57	02:20:24.4	+57:05:25	300	90	3.0	#113 Galaxy In	2	
0031-0040.FLAT	14	0:18	02:20:24.4	+57:05:25	300	90	3.0	#113 Galaxy In	2	
0041-0050.FLAT	7	0:22	02:20:24.4	+57:05:25	300	90	3.0	#113 Galaxy In	4	
0051.SNugc11198	900	2:17	18:18:58.9	+16:14:53	300	40	3.0	#2 SN Observat	2	host galaxy is too close and on the slit
0052.COMP	10	2:32	18:18:58.9	+16:14:53	300	40	3.0	#2 SN Observat	2	at parallactic angle
0053.SNugc11198	900	2:39	18:18:58.9	+16:14:53	300	90	3.0	#2 SN Observat	2	
0054.COMP	10	2:54	18:18:58.9	+16:14:53	300	90	3.0	#2 SN Observat	2	
0055.id1124	360	3:00	20:07:22.9	35:41:41	300	90	3.0	#115 PMS NGC68	2	
0056.COMP	10	3:06	20:07:22.9	35:41:41	300	90	3.0	#115 PMS NGC68	2	
0057.id1464	360	3:08	20:06:46.1	35:45:23	300	90	3.0	#115 PMS NGC68	2	
0058.id2568	360	3:15	20:04:04.0	35:37:01	300	90	3.0	#115 PMS NGC68	2	
0059.COMP	10	3:22	20:04:04.0	35:37:01	300	90	3.0	#115 PMS NGC68	2	
0060.id72	360	3:24	20:06:02.2	35:45:23	300	90	3.0	#115 PMS NGC68	2	very bright companion on the slit around 25
0061.id1211	360	3:35	20:07:15.1	35:41:26	300	90	3.0	#115 PMS NGC68	2	
0062.COMP	10	3:42	20:07:15.1	35:41:26	300	90	3.0	#115 PMS NGC68	2	
0063.id1398	360	3:44	20:06:54.5	35:40:56	300	90	3.0	#115 PMS NGC68	2	
0064.id1535	360	3:51	20:06:36.1	35:41:48	300	90	3.0	#115 PMS NGC68	2	
0065.COMP	10	3:58	20:06:36.1	35:41:48	300	90	3.0	#115 PMS NGC68	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0066.id2348	360	3:59	20:04:46.2	35:37:47	300	90	3.0	#115 PMS NGC68	2	
0067.id1570	360	4:08	20:06:29.1	35:45:38	300	90	3.0	#115 PMS NGC68	2	
0068.COMP	10	4:15	20:06:29.1	35:45:38	300	90	3.0	#115 PMS NGC68	2	
0069.id1677	360	4:16	20:06:16.8	35:53:42	300	90	3.0	#115 PMS NGC68	2	
0070.id2136	360	4:23	20:05:22.9	35:56:18	300	90	3.0	#115 PMS NGC68	2	
0071.COMP	10	4:30	20:05:22.9	35:56:18	300	90	3.0	#115 PMS NGC68	2	
0072.id2229	360	4:32	20:05:09.7	35:40:56	300	90	3.0	#115 PMS NGC68	2	
0073.id2237	360	4:40	20:05:09.3	35:46:42	300	90	3.0	#115 PMS NGC68	2	
0074.COMP	10	4:46	20:05:09.3	35:46:42	300	90	3.0	#115 PMS NGC68	2	
0075.BDp284211	30	4:50	21:51:11.0	+28:51:50	300	90	3.0	#56 Photometri	2	
0076.COMP	10	4:51	21:51:11.0	+28:51:50	300	90	3.0	#56 Photometri	2	
0077.id2684	360	4:53	19:59:44.7	35:06:25	300	90	3.0	#115 PMS NGC68	2	
0078.id1293	360	5:01	20:07:05.2	35:47:42	300	90	3.0	#115 PMS NGC68	2	
0079.COMP	10	5:07	20:07:05.2	35:47:42	300	90	3.0	#115 PMS NGC68	2	
0080.id2341	360	5:09	20:04:47.3	35:49:04	300	90	3.0	#115 PMS NGC68	2	
0081.id2370	360	5:17	20:04:41.7	35:54:23	300	90	3.0	#115 PMS NGC68	2	
0082.COMP	10	5:23	20:04:41.7	35:54:23	300	90	3.0	#115 PMS NGC68	2	
0083.id2671	360	5:25	19:59:50.5	35:15:18	300	90	3.0	#115 PMS NGC68	2	
0084.id78	360	5:33	20:06:21.4	35:43:38	300	90	3.0	#115 PMS NGC68	2	
0085.COMP	10	5:40	20:06:21.4	35:43:38	300	90	3.0	#115 PMS NGC68	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.id1447	360	5:43	20:06:48.6	35:39:23	300	90	3.0	#115 PMS NGC68	2	
0087.id2378	420	5:51	20:04:40.2	35:43:44	300	90	3.0	#115 PMS NGC68	2	
0088.COMP	10	5:58	20:04:40.2	35:43:44	300	90	3.0	#115 PMS NGC68	2	
0089.id2434	420	6:00	20:04:29.7	35:55:50	300	90	3.0	#115 PMS NGC68	2	
0090.id2672	420	6:09	19:59:50.0	35:14:03	300	90	3.0	#115 PMS NGC68	2	
0091.COMP	10	6:16	19:59:50.0	35:14:03	300	90	3.0	#115 PMS NGC68	2	
0092.id2872	420	6:18	19:58:37.8	35:04:45	300	90	3.0	#115 PMS NGC68	2	
0093.id79	420	6:26	20:06:22.3	35:43:17	300	90	3.0	#115 PMS NGC68	2	
0094.COMP	10	6:34	20:06:22.3	35:43:17	300	90	3.0	#115 PMS NGC68	2	
0095.N7331	180	6:36	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0096.COMP	5	6:40	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0097.222200p17500_b	1200	6:44	22:24:33.2	18:03:55	300	90	3.0	#113 Galaxy In	2	
0098.COMP	10	7:04	22:24:33.2	18:03:55	300	90	3.0	#113 Galaxy In	2	
0099.222924p19250_b	1200	7:07	22:31:49.3	19:41:45	300	90	3.0	#113 Galaxy In	2	
0100.COMP	10	7:27	22:31:49.3	19:41:45	300	90	3.0	#113 Galaxy In	2	
0101.224954p00500_a	1200	7:30	22:52:22.5	01:05:31	300	90	3.0	#113 Galaxy In	2	
0102.COMP	10	7:50	22:52:22.5	01:05:31	300	90	3.0	#113 Galaxy In	2	
0103.002248p19560_a	1200	7:55	00:25:28.7	20:14:16	300	90	3.0	#113 Galaxy In	2	
0104.COMP	10	8:16	00:25:28.7	20:14:16	300	90	3.0	#113 Galaxy In	2	
0105.002248p19560_b	1200	8:18	00:25:28.8	20:16:32	300	90	3.0	#113 Galaxy In	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0106.COMP	10	8:39	00:25:28.8	20:16:32	300	90	3.0	#113 Galaxy In	2	
0107.002430p11180_a	1200	8:42	00:27:02.9	11:35:04	300	90	3.0	#113 Galaxy In	2	
0108.COMP	10	9:02	00:27:02.9	11:35:04	300	90	3.0	#113 Galaxy In	2	
0109.002430p11180_b	1200	9:04	00:26:53.2	11:34:25	300	90	3.0	#113 Galaxy In	2	
0110.COMP	10	9:25	00:26:53.2	11:34:25	300	90	3.0	#113 Galaxy In	2	
0111.005648p35180_a	1200	9:30	00:59:36.1	35:33:38	300	90	3.0	#113 Galaxy In	2	
0112.COMP	10	9:50	00:59:36.1	35:33:38	300	90	3.0	#113 Galaxy In	2	
0113.005648p35180_b	1200	9:53	00:59:24.5	35:31:46	300	90	3.0	#113 Galaxy In	2	
0114.COMP	10	10:13	00:59:24.5	35:31:46	300	90	3.0	#113 Galaxy In	2	
0115.021900p33030_a	900	10:18	02:22:00.8	33:15:59	300	90	3.0	#113 Galaxy In	2	
0116.COMP	10	10:33	02:22:00.8	33:15:59	300	90	3.0	#113 Galaxy In	2	
0117.021900p33030_b	1200	10:39	02:22:02.8	33:18:21	300	90	3.0	#113 Galaxy In	2	
0118.COMP	10	11:00	02:22:02.8	33:18:21	300	90	3.0	#113 Galaxy In	2	
0119.HZ14	300	11:04	04:41:01.0	+10:59:42	300	90	3.0	#56 Photometri	2	
0120.COMP	10	11:10	04:41:01.0	+10:59:42	300	90	3.0	#56 Photometri	2	
0121.022024p570652	180	11:18	02:20:24.6	+57:06:52	300	90	3.0	#83 h/chi Pers	4	
0122.022025p571520	180	11:22	02:20:25.6	+57:15:20	300	90	3.0	#83 h/chi Pers	4	
0123.COMP	5	11:26	02:20:25.6	+57:15:20	300	90	3.0	#83 h/chi Pers	4	
0124.022029p565934	10	11:27	02:20:29.0	+56:59:34	300	90	3.0	#83 h/chi Pers	4	
0125.022030p570632	180	11:30	02:20:31.0	+57:06:32	300	90	3.0	#83 h/chi Pers	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0126.COMP	5	11:34	02:20:31.0	+57:06:32	300	90	3.0	#83 h/chi Pers	4	
0127.022030p571033	180	11:35	02:20:30.7	+57:10:33	300	90	3.0	#83 h/chi Pers	4	
0128.022031p565638	120	11:41	02:20:31.7	+56:56:38	300	90	3.0	#83 h/chi Pers	4	
0129.COMP	5	11:44	02:20:31.7	+56:56:38	300	90	3.0	#83 h/chi Pers	4	
0130.022031p570351	180	11:46	02:20:31.4	+57:03:51	300	90	3.0	#83 h/chi Pers	4	
0131.022031p570516	180	11:51	02:20:32.0	+57:05:16	300	90	3.0	#83 h/chi Pers	4	
0132.COMP	5	11:54	02:20:32.0	+57:05:16	300	90	3.0	#83 h/chi Pers	4	
0133.022031p570634	180	11:57	02:20:31.0	+57:06:34	300	90	3.0	#83 h/chi Pers	4	
0134.022032p570710	150	12:01	02:20:32.6	+57:07:10	300	90	3.0	#83 h/chi Pers	4	
0135.COMP	5	12:04	02:20:32.6	+57:07:10	300	90	3.0	#83 h/chi Pers	4	
0136.022034p570028	180	12:07	02:20:34.4	+57:00:28	300	90	3.0	#83 h/chi Pers	4	
0137.022034p571255	120	12:11	02:20:35.0	+57:12:55	300	90	3.0	#83 h/chi Pers	4	
0138.COMP	5	12:14	02:20:35.0	+57:12:55	300	90	3.0	#83 h/chi Pers	4	
0139.022035p570654	180	12:16	02:20:35.3	+57:06:54	300	90	3.0	#83 h/chi Pers	4	
0140.022036p565639	180	12:20	02:20:36.5	+56:56:39	300	90	3.0	#83 h/chi Pers	4	
0141.COMP	5	12:24	02:20:36.5	+56:56:39	300	90	3.0	#83 h/chi Pers	4	
0142-0146.sky	10	12:54	05:29:01	31:30:00	300	90	3.0	#57 Velocity S	4	
0147.COMP	5	13:05	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0148-0157.FLAT	7	13:11	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0158-0167.FLAT	14	13:16	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0168-0177.BIAS	0	13:20	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	2	
0178-0187.BIAS	0	13:22	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	21:33	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0011-0020.BIAS	0	21:38	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	2	
0021-0025.DARK	1200	23:00	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	2	
0026-0035.FLAT	14	0:32	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	2	
0036-0045.FLAT	7	0:38	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0046.sky	1	1:24	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	4	clouds
0047-0050.sky	1	1:26	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0051.COMP	5	1:27	05:29:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0052.id2339	420	4:20	20:04:47.5	35:50:16	300	90	3.0	#115 PMS NGC68	2	
0053.id2700	420	4:29	19:59:39.5	35:24:25	300	90	3.0	#115 PMS NGC68	2	
0054.COMP	10	4:37	19:59:39.5	35:24:25	300	90	3.0	#115 PMS NGC68	2	
0055.id2873	420	4:40	19:58:37.6	35:16:32	300	90	3.0	#115 PMS NGC68	2	
0056.id2242	420	4:49	20:05:08.8	35:37:14	300	90	3.0	#115 PMS NGC68	2	
0057.COMP	10	4:56	20:05:08.8	35:37:14	300	90	3.0	#115 PMS NGC68	2	
0058.MRK509	240	5:16	20:44:09.8	-10:43:24	300	23	3.0	#6 AGN Monitor	2	
0059.COMP	10	5:20	20:44:09.8	-10:43:24	300	23	3.0	#6 AGN Monitor	2	
0060.Akn564	300	5:28	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0061.COMP	10	5:33	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0062.BDp284211	30	5:38	21:51:11.0	+28:51:50	300	90	3.0	#56 Photometri	2	
0063.COMP	10	5:40	21:51:11.0	+28:51:50	300	90	3.0	#56 Photometri	2	

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0064.N7469	150	5:43	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0065.COMP	10	5:46	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0066.id2256	420	5:48	20:05:06.3	35:36:28	300	90	3.0	#115 PMS NGC68	2	
0067.id2743	420	5:58	19:59:23.8	35:19:06	300	90	3.0	#115 PMS NGC68	2	
0068.COMP	10	6:05	19:59:23.8	35:19:06	300	90	3.0	#115 PMS NGC68	2	
0069.id1596	420	6:07	20:06:25.5	35:47:53	300	90	3.0	#115 PMS NGC68	2	
0070.id1910	420	6:16	20:05:52.7	35:53:52	300	90	3.0	#115 PMS NGC68	2	
0071.COMP	10	6:23	20:05:52.7	35:53:52	300	90	3.0	#115 PMS NGC68	2	
0072.id2547	420	6:28	20:04:07.9	35:46:56	300	90	3.0	#115 PMS NGC68	2	
0073.id2816	420	6:36	19:58:55.0	35:04:47	300	90	3.0	#115 PMS NGC68	2	
0074.COMP	10	6:44	19:58:55.0	35:04:47	300	90	3.0	#115 PMS NGC68	2	
0075.id1171	420	6:46	20:07:18.9	35:39:48	300	90	3.0	#115 PMS NGC68	2	
0076.id1827	420	6:55	20:06:00.4	35:37:25	300	90	3.0	#115 PMS NGC68	2	
0077.COMP	10	7:03	20:06:00.4	35:37:25	300	90	3.0	#115 PMS NGC68	2	
0078.MRK335	180	7:05	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0079.COMP	10	7:08	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0080.M31	60	7:11	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	4	
0081.COMP	5	7:12	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	4	
0082.234624p05520_b	1200	7:23	23:49:03.1	06:09:49	300	90	3.0	#113 Galaxy In	2	
0083.COMP	10	7:44	23:49:03.1	06:09:49	300	90	3.0	#113 Galaxy In	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0084.002854p08070_a	1200	7:47	00:31:29.3	08:24:02	300	90	3.0	#113 Galaxy In	2	
0085.COMP	10	8:07	00:31:29.3	08:24:02	300	90	3.0	#113 Galaxy In	2	
0086.002854p08070_b	1200	8:10	00:31:38.2	08:23:26	300	90	3.0	#113 Galaxy In	2	
0087.COMP	10	8:31	00:31:38.2	08:23:26	300	90	3.0	#113 Galaxy In	2	
0088.SN2000dk	600	8:37	01:07:23.5	+32:24:23	300	90	3.0	#2 SN Observat	2	
0089.COMP	10	8:48	01:07:23.5	+32:24:23	300	90	3.0	#2 SN Observat	2	
0090.003018p11270_a	1200	8:51	00:32:50.4	11:44:11	300	90	3.0	#113 Galaxy In	2	
0091.COMP	10	9:12	00:32:50.4	11:44:11	300	90	3.0	#113 Galaxy In	2	
0092.003018p11270_b	1200	9:14	00:32:42.0	11:43:19	300	90	3.0	#113 Galaxy In	2	
0093.COMP	10	9:34	00:32:42.0	11:43:19	300	90	3.0	#113 Galaxy In	2	
0094.021054p41390_a	1200	9:41	02:13:59.8	41:52:36	300	90	3.0	#113 Galaxy In	2	
0095.COMP	10	10:01	02:13:59.8	41:52:36	300	90	3.0	#113 Galaxy In	2	
0096.021500p12150_a	1200	10:12	02:17:41.2	12:28:14	300	90	3.0	#113 Galaxy In	2	
0097.COMP	10	10:33	02:17:41.2	12:28:14	300	90	3.0	#113 Galaxy In	2	
0098.021500p12150_b	1200	10:37	02:17:37.8	12:30:31	300	90	3.0	#113 Galaxy In	2	
0099.COMP	10	10:57	02:17:37.8	12:30:31	300	90	3.0	#113 Galaxy In	2	
0100.BGGem	180	11:03	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0101.COMP	10	11:06	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0102.BGGem	900	11:10	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0103.COMP	10	11:26	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0104.Akn120	180	11:36	05:13:38.0	-00:12:15	300	15	3.0	#6 AGN Monitor	2	
0105.COMP	10	11:40	05:13:38.0	-00:12:15	300	15	3.0	#6 AGN Monitor	2	
0106.022038p565652	180	12:00	02:20:39.0	+56:56:52	300	90	3.0	#83 h/chi Pers	4	
0107.022038p571720	180	12:04	02:20:38.4	+57:17:20	300	90	3.0	#83 h/chi Pers	4	
0108.COMP	5	12:08	02:20:38.4	+57:17:20	300	90	3.0	#83 h/chi Pers	4	
0109.022038p571845	20	12:09	02:20:38.7	+57:18:45	300	90	3.0	#83 h/chi Pers	4	
0110.022039p571012	180	12:11	02:20:39.5	+57:10:12	300	90	3.0	#83 h/chi Pers	4	
0111.COMP	5	12:15	02:20:39.5	+57:10:12	300	90	3.0	#83 h/chi Pers	4	
0112.022040p565836	180	12:17	02:20:40.5	+56:58:36	300	90	3.0	#83 h/chi Pers	4	
0113.022040p570917	180	12:22	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	4	
0114.COMP	5	12:25	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	4	
0115-0124.FLAT	7	12:39	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	4	
0125-0134.FLAT	14	12:45	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	2	
0135-0144.BIAS	0	12:48	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	2	
0145-0154.BIAS	0	12:50	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	21:05	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	4	
0011-0020.BIAS	0	21:08	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	2	
0021-0025.DARK	900	22:17	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	4	
0026-0030.DARK	1200	23:53	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	4	
0031-0040.FLAT	7	0:20	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	4	
0041-0050.FLAT	14	0:25	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	2	
0051-0055.DARK	1200	1:58	02:20:40.2	+57:09:18	300	90	3.0	#83 h/chi Pers	2	
0056.id2062	420	5:22	20:05:30.8	35:37:19	300	90	3.0	#115 PMS NGC68	2	
0057.id2233	420	5:31	20:05:09.7	35:56:21	300	90	3.0	#115 PMS NGC68	2	
0058.COMP	10	5:38	20:05:09.7	35:56:21	300	90	3.0	#115 PMS NGC68	2	
0059.id2738	420	5:40	19:59:26.3	35:18:00	300	90	3.0	#115 PMS NGC68	2	
0060.id2704	420	5:48	19:59:36.6	35:11:54	300	90	3.0	#115 PMS NGC68	2	
0061.COMP	10	5:55	19:59:36.6	35:11:54	300	90	3.0	#115 PMS NGC68	2	
0062.id2780	420	5:57	19:59:08.3	35:22:36	300	90	3.0	#115 PMS NGC68	2	
0063.id1353	450	6:06	20:06:58.6	35:40:28	300	90	3.0	#115 PMS NGC68	2	
0064.COMP	10	6:14	20:06:58.6	35:40:28	300	90	3.0	#115 PMS NGC68	2	
0065.id2644	450	6:16	19:59:59.0	35:19:36	300	90	3.0	#115 PMS NGC68	2	
0066.id2710	450	6:25	19:59:34.2	35:08:43	300	90	3.0	#115 PMS NGC68	2	
0067.COMP	10	6:33	19:59:34.2	35:08:43	300	90	3.0	#115 PMS NGC68	2	
0068.232048p13030_a	1200	6:43	23:23:22.5	13:19:08	300	90	3.0	#113 Galaxy In	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0069.COMP	10	7:04	23:23:22.5	13:19:08	300	90	3.0	#113 Galaxy In	2	
0070.232048p13030_b	1200	7:06	23:23:21.0	13:22:48	300	90	3.0	#113 Galaxy In	2	
0071.COMP	10	7:26	23:23:21.0	13:22:48	300	90	3.0	#113 Galaxy In	2	
0072.Feige110	150	7:43	23:19:58.4	-05:09:56	300	25	3.0	#56 Photometri	2	
0073.COMP	10	7:46	23:19:58.4	-05:09:56	300	25	3.0	#56 Photometri	2	
0074.232512p23190_a	1200	7:54	23:27:41.2	23:35:24	300	90	3.0	#113 Galaxy In	2	
0075.COMP	10	8:15	23:27:41.2	23:35:24	300	90	3.0	#113 Galaxy In	2	
0076.SN2000cx	900	8:19	01:24:46.1	+09:30:30	300	90	3.0	#2 SN Observat	2	
0077.COMP	10	8:34	01:24:46.1	+09:30:30	300	90	3.0	#2 SN Observat	2	
0078.M31	60	8:36	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	4	
0079.COMP	5	8:38	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	4	
0080.232512p23190_b	1200	8:41	23:27:29.6	23:39:03	300	90	3.0	#113 Galaxy In	2	
0081.COMP	10	9:02	23:27:29.6	23:39:03	300	90	3.0	#113 Galaxy In	2	
0082.020624p04530_a	1200	9:08	02:09:04.5	05:06:44	300	90	3.0	#113 Galaxy In	2	
0083.COMP	10	9:29	02:09:04.5	05:06:44	300	90	3.0	#113 Galaxy In	2	
0084.020624p04530_b	1200	9:32	02:09:18.6	05:04:57	300	90	3.0	#113 Galaxy In	2	
0085.COMP	10	9:53	02:09:18.6	05:04:57	300	90	3.0	#113 Galaxy In	2	
0086.023136p34400_a	1200	9:56	02:34:36.8	34:52:10	300	90	3.0	#113 Galaxy In	2	
0087.COMP	10	10:16	02:34:36.8	34:52:10	300	90	3.0	#113 Galaxy In	2	
0088.023136p34400_b	1200	10:18	02:34:40.6	34:48:33	300	90	3.0	#113 Galaxy In	2	

UT Date 2000-09-27 Observers Z. BalogColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.COMP	10	10:39	02:34:40.6	34:48:33	300	90	3.0	#113 Galaxy In	2	
0090.025442p46180_a	1200	10:41	02:58:05.4	46:29:53	300	90	3.0	#113 Galaxy In	2	
0091.COMP	10	11:02	02:58:05.4	46:29:53	300	90	3.0	#113 Galaxy In	2	
0092.025442p46180_b	1200	11:04	02:57:48.2	46:31:01	300	90	3.0	#113 Galaxy In	2	
0093.COMP	10	11:25	02:57:48.2	46:31:01	300	90	3.0	#113 Galaxy In	2	
0094.HZ14	300	11:29	04:41:01.0	+10:59:42	300	90	3.0	#56 Photometri	2	
0095.COMP	10	11:35	04:41:01.0	+10:59:42	300	90	3.0	#56 Photometri	2	
0096.022041p570456	120	11:41	02:20:42.0	+57:04:56	300	90	3.0	#83 h/chi Pers	4	
0097.COMP	5	11:44	02:20:42.0	+57:04:56	300	90	3.0	#83 h/chi Pers	4	
0098.022044p565904	180	11:46	02:20:44.7	+56:59:04	300	90	3.0	#83 h/chi Pers	4	
0099.022044p570856	180	11:51	02:20:44.5	+57:08:56	300	90	3.0	#83 h/chi Pers	4	
0100.COMP	5	11:54	02:20:44.5	+57:08:56	300	90	3.0	#83 h/chi Pers	4	
0101.022044p571356	180	11:56	02:20:44.2	+57:13:57	300	90	3.0	#83 h/chi Pers	4	
0102.022044p571720	180	12:00	02:20:44.6	+57:17:20	300	90	3.0	#83 h/chi Pers	4	
0103.COMP	5	12:04	02:20:44.6	+57:17:20	300	90	3.0	#83 h/chi Pers	4	
0104.022044p571731	180	12:05	02:20:44.6	+57:17:31	300	90	3.0	#83 h/chi Pers	4	
0105.022044p571827	180	12:10	02:20:44.1	+57:18:27	300	90	3.0	#83 h/chi Pers	4	
0106.COMP	5	12:13	02:20:44.1	+57:18:27	300	90	3.0	#83 h/chi Pers	4	
0107.022047p565754	180	12:16	02:20:48.0	+56:57:54	300	90	3.0	#83 h/chi Pers	4	
0108.022047p572116	180	12:20	02:20:47.4	+57:21:16	300	90	3.0	#83 h/chi Pers	4	

UT Date 2000-09-27 Observers Z. BalogColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0109.COMP	5	12:24	02:20:47.4	+57:21:16	300	90	3.0	#83 h/chi Pers	4	
0110.G191B2B	120	12:27	05:05:30.6	+52:49:51	300	90	3.0	#56 Photometri	2	
0111.COMP	10	12:30	05:05:30.6	+52:49:51	300	90	3.0	#56 Photometri	2	
0112-0116.sky	5	12:56	05:35:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0117-0126.FLAT	7	13:02	05:35:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0127-0136.FLAT	14	13:07	05:35:00	31:30:00	300	90	3.0	#57 Velocity S	2	
0137-0146.BIAS	0	13:12	05:35:00	31:30:00	300	90	3.0	#57 Velocity S	2	
0147-0156.BIAS	0	13:14	05:35:00	31:30:00	300	90	3.0	#57 Velocity S	4	
0157.COMP	5	13:19	05:35:00	31:30:00	300	90	3.0	#57 Velocity S	4	



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FAST SPECTROGRAPH LOG

UT Date 2000-09-28 Observers Z. Balog Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A. Slit	Program	Bin	Comments
0001-0010.BIAS	0	20:49	05:35:00	31:30:00	300	90 3.0	#57 Velocity S	4	
0011-0020.BIAS	0	20:52	05:35:00	31:30:00	300	90 3.0	#57 Velocity S	2	
0021-0022.DARK	900	21:09	05:35:00	31:30:00	300	90 3.0	#57 Velocity S	4	
0023.DARK	900	21:29	14:48:08.0	31:30:18	300	90 3.0	#57 Velocity S	4	
0024.DARK	900	21:44	15:03:17.0	31:30:17	300	90 3.0	#57 Velocity S	4	
0025.DARK	900	21:59	15:18:29.0	31:30:16	300	90 3.0	#57 Velocity S	4	
0026.DARK	1200	22:15	15:39:28.0	31:30:15	300	90 3.0	#57 Velocity S	2	
0027.DARK	1200	22:35	15:59:44.0	31:30:14	300	90 3.0	#57 Velocity S	2	
0028.DARK	1200	22:55	16:20:00.0	31:30:13	300	90 3.0	#57 Velocity S	2	
0029.DARK	1200	23:16	16:40:17.0	31:30:11	300	90 3.0	#57 Velocity S	2	
0030.DARK	1200	23:36	17:00:36.0	31:30:10	300	90 3.0	#57 Velocity S	2	
0031-0040.FLAT	14	0:23	17:28:23.0	31:30:09	300	90 3.0	#57 Velocity S	2	
0041-0050.FLAT	7	0:30	17:35:04.0	31:30:09	300	90 3.0	#57 Velocity S	4	
0051.SNrgc11198	900	2:18	18:18:58.9	+16:14:53	300	40 3.0	#2 SN Observat	2	
0052.COMP	10	2:33	18:18:58.9	+16:14:53	300	40 3.0	#2 SN Observat	2	
0053.HD192281	5	2:37	20:12:33.1	+40:16:05	300	90 3.0	#56 Photometri	2	
0054.COMP	10	2:38	20:12:33.1	+40:16:05	300	90 3.0	#56 Photometri	2	
0055.CygnB2no9	20	2:56	20:33:10.7	+41:15:08	300	90 3.0	#56 Photometri	2	clouds
0056.COMP	10	2:56	20:33:10.7	+41:15:08	300	90 3.0	#56 Photometri	2	
0057.N7331	240	3:02	22:34:46.9	+34:09:43	300	90 3.0	#57 Velocity S	4	clouds



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FAST SPECTROGRAPH LOG

UT Date 2000-09-28 Observers Z. Balog

Coll. Focus 1000

Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A. Slit	Program	Bin	Comments
0058.COMP	5	3:06	22:34:46.9	+34:09:43	300	90 3.0	#57 Velocity S	4	
0059.i1d2925	450	3:52	19:58:14.3	35:24:42	300	90 3.0	#115 PMS NGC68	2	
0060.i1d1063	450	4:02	20:07:28.4	35:43:59	300	90 3.0	#115 PMS NGC68	2	
0061.COMP	10	4:10	20:07:28.4	35:43:59	300	90 3.0	#115 PMS NGC68	2	
0062.i1d1084	450	4:12	20:07:26.5	35:44:23	300	90 3.0	#115 PMS NGC68	2	
0063.i1d1780	450	4:21	20:06:04.4	35:50:06	300	90 3.0	#115 PMS NGC68	2	
0064.COMP	10	4:29	20:06:04.4	35:50:06	300	90 3.0	#115 PMS NGC68	2	
0065.i1d2123	450	4:32	20:05:29.5	35:34:56	300	90 3.0	#115 PMS NGC68	2	
0066.i1d2124	450	4:41	20:05:26.8	35:38:25	300	90 3.0	#115 PMS NGC68	2	
0067.COMP	10	4:49	20:05:26.8	35:38:25	300	90 3.0	#115 PMS NGC68	2	
0068.i1d2179	450	4:50	20:05:16.3	35:44:25	300	90 3.0	#115 PMS NGC68	2	
0069.i1d2260	450	5:00	20:05:05.0	35:39:36	300	90 3.0	#115 PMS NGC68	2	
0070.COMP	10	5:12	20:05:05.0	35:39:36	300	90 3.0	#115 PMS NGC68	2	
0071.i1d2490	450	5:15	20:04:19.0	35:39:10	300	90 3.0	#115 PMS NGC68	2	
0072.i1d2494	450	5:25	20:04:18.0	35:54:57	300	90 3.0	#115 PMS NGC68	2	
0073.COMP	10	5:33	20:04:18.0	35:54:57	300	90 3.0	#115 PMS NGC68	2	
0074.i1d2494	450	5:35	20:04:18.0	35:54:57	300	90 3.0	#115 PMS NGC68	2	
0075.i1d2601	450	5:44	20:03:56.6	35:38:49	300	90 3.0	#115 PMS NGC68	2	
0076.COMP	10	5:52	20:03:56.6	35:38:49	300	90 3.0	#115 PMS NGC68	2	
0077.i1d2847	450	5:54	19:58:46.5	35:20:58	300	90 3.0	#115 PMS NGC68	2	



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FAST SPECTROGRAPH LOG

UT Date 2000-09-28 Observers Z. Balog

Coll. Focus 1000

Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A. Slit	Program	Bin	Comments
0078.i1d1181	450	6:04	20:07:17.9	35:37:00	300	90 3.0	#115 PMS NGC68	2	
0079.COMP	10	6:12	20:07:17.9	35:37:00	300	90 3.0	#115 PMS NGC68	2	
0080.i1d1253	450	6:13	20:07:09.9	35:56:24	300	90 3.0	#115 PMS NGC68	2	
0081.i1d1449	450	6:22	20:06:48.3	35:42:05	300	90 3.0	#115 PMS NGC68	2	
0082.COMP	10	6:31	20:06:48.3	35:42:05	300	90 3.0	#115 PMS NGC68	2	
0083.i1d1680	450	6:32	20:06:16.7	35:55:10	300	90 3.0	#115 PMS NGC68	2	
0084.i1d1951	450	6:41	20:05:48.2	35:42:39	300	90 3.0	#115 PMS NGC68	2	
0085.COMP	10	6:49	20:05:48.2	35:42:39	300	90 3.0	#115 PMS NGC68	2	
0086.i1d2047	450	6:52	20:05:33.4	35:55:03	300	90 3.0	#115 PMS NGC68	2	
0087.i1d2088	450	7:02	20:05:24.7	35:47:42	300	90 3.0	#115 PMS NGC68	2	
0088.COMP	10	7:10	20:05:24.7	35:47:42	300	90 3.0	#115 PMS NGC68	2	
0089.003648p03030_a	1200	7:13	00:39:18.5	03:19:50	300	90 3.0	#113 Galaxy In	2	
0090.COMP	10	7:33	00:39:18.5	03:19:50	300	90 3.0	#113 Galaxy In	2	
0091.003648p03030_b	1200	7:36	00:39:04.8	03:17:58	300	90 3.0	#113 Galaxy In	2	
0092.COMP	10	7:57	00:39:04.8	03:17:58	300	90 3.0	#113 Galaxy In	2	
0093.011418p12450_b	1200	8:01	01:16:56.2	13:00:12	300	90 3.0	#113 Galaxy In	2	
0094.COMP	10	8:21	01:16:56.2	13:00:12	300	90 3.0	#113 Galaxy In	2	
0095.012630p10530_a	1200	8:25	01:29:07.1	11:07:53	300	90 3.0	#113 Galaxy In	2	
0096.COMP	10	8:46	01:29:07.1	11:07:53	300	90 3.0	#113 Galaxy In	2	
0097.012630p10530_b	1200	8:48	01:29:11.0	11:08:27	300	90 3.0	#113 Galaxy In	2	



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FAST SPECTROGRAPH LOG

UT Date 2000-09-28 Observers Z. Balog Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A. Slit	Program	Bin	Comments
0098.COMP	10	9:09	01:29:11.0	11:08:27	300	90	#113 Galaxy In	2	
0099.021836p16200_a	1200	9:12	02:21:23.6	16:34:01	300	90	#113 Galaxy In	2	
0100.COMP	10	9:32	02:21:23.6	16:34:01	300	90	#113 Galaxy In	2	
0101.021836p16200_b	1200	9:34	02:21:24.1	16:37:21	300	90	#113 Galaxy In	2	
0102.COMP	10	9:54	02:21:24.1	16:37:21	300	90	#113 Galaxy In	2	
0103.032124p40310_a	1200	9:57	03:24:36.4	40:41:27	300	90	#113 Galaxy In	2	
0104.COMP	10	10:17	03:24:36.4	40:41:27	300	90	#113 Galaxy In	2	
0105.032124p40310_b	1200	10:20	03:24:14.3	40:41:27	300	90	#113 Galaxy In	2	
0106.COMP	10	10:41	03:24:14.3	40:41:27	300	90	#113 Galaxy In	2	
0107.032236p40350_c	1200	10:44	03:26:01.1	40:41:41	300	90	#113 Galaxy In	2	
0108.COMP	10	11:05	03:26:01.1	40:41:41	300	90	#113 Galaxy In	2	
0109.034130p45500_a	900	11:07	03:44:58.5	45:58:04	300	90	#113 Galaxy In	2	
0110.COMP	10	11:23	03:44:58.5	45:58:04	300	90	#113 Galaxy In	2	
0111.034130p45500_b	1200	11:25	03:44:47.1	45:59:16	300	90	#113 Galaxy In	2	
0112.COMP	10	11:46	03:44:47.1	45:59:16	300	90	#113 Galaxy In	2	
0113.022048p571954	180	11:49	02:20:48.8	+57:19:54	300	90	#83 h/chi Pers	4	
0114.022049p570100	180	11:53	02:20:49.1	+57:01:00	300	90	#83 h/chi Pers	4	
0115.COMP	5	11:57	02:20:49.1	+57:01:00	300	90	#83 h/chi Pers	4	
0116.022049p572045	120	11:58	02:20:49.8	+57:20:45	300	90	#83 h/chi Pers	4	
0117.022051p572059	180	12:02	02:20:51.8	+57:20:59	300	90	#83 h/chi Pers	4	



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FAST SPECTROGRAPH LOG

UT Date 2000-09-28 Observers Z. Balog Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A. Slit	Program	Bin	Comments
0118.COMP	5	12:05	02:20:51.8	+57:20:59	300	90	#83 h/chi Pers	4	
0119.022052p565621	120	12:06	02:20:52.5	+56:56:21	300	90	#83 h/chi Pers	4	
0120.022052p571329	120	12:12	02:20:52.5	+57:13:30	300	90	#83 h/chi Pers	4	
0121.COMP	5	12:14	02:20:52.5	+57:13:30	300	90	#83 h/chi Pers	4	
0122.022052p571818	180	12:16	02:20:52.3	+57:18:18	300	90	#83 h/chi Pers	4	
0123.COMP	5	12:35	02:20:52.3	+57:18:18	300	90	#83 h/chi Pers	4	
0124-0129.sky	5	12:57	05:47:15	31:30:00	300	90	#57 Velocity S	4	
0130.COMP	5	13:02	05:47:15	31:30:00	300	90	#57 Velocity S	4	
0131-0140.FLAT	7	13:06	05:47:15	31:30:00	300	90	#57 Velocity S	4	
0141-0150.FLAT	14	13:16	05:47:15	31:30:00	300	90	#57 Velocity S	2	
0151-0160.BIAS	0	13:20	05:47:15	31:30:00	300	90	#57 Velocity S	2	
0161-0170.BIAS	0	13:21	05:47:15	31:30:00	300	90	#57 Velocity S	4	

UT Date 2000-09-29 Observers Z. BalogColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	21:12	05:47:15	31:30:00	300	90	3.0	#57 Velocity S	4	
0011-0020.BIAS	0	21:15	05:47:15	31:30:00	300	90	3.0	#57 Velocity S	2	
0021-0025.DARK	900	22:17	05:47:15	31:30:00	300	90	3.0	#57 Velocity S	4	
0026-0030.DARK	1200	23:53	05:47:15	31:30:00	300	90	3.0	#57 Velocity S	2	
0031-0040.FLAT	14	0:32	05:47:15	31:30:00	300	90	3.0	#57 Velocity S	2	
0041-0050.FLAT	7	0:39	05:47:15	31:30:00	300	90	3.0	#57 Velocity S	4	
0051.HD192281	5	3:02	20:12:33.1	+40:16:05	300	90	3.0	#56 Photometri	2	
0052.COMP	10	3:03	20:12:33.1	+40:16:05	300	90	3.0	#56 Photometri	2	
0053.id2187	450	3:07	20:05:15.2	35:40:17	300	90	3.0	#115 PMS NGC68	2	80-90
0054.id2846	450	3:17	19:58:47.0	35:07:40	300	90	3.0	#115 PMS NGC68	2	80-90
0055.COMP	10	3:25	19:58:47.0	35:07:40	300	90	3.0	#115 PMS NGC68	2	
0056.id1196	450	3:28	20:07:16.6	35:41:27	300	90	3.0	#115 PMS NGC68	2	80-90
0057.id1251	450	3:37	20:07:10.0	35:45:21	300	90	3.0	#115 PMS NGC68	2	80-90
0058.COMP	10	3:45	20:07:10.0	35:45:21	300	90	3.0	#115 PMS NGC68	2	
0059.id1342	450	3:47	20:07:00.0	35:50:50	300	90	3.0	#115 PMS NGC68	2	80-90
0060.id2205	450	3:57	20:05:12.9	35:39:02	300	90	3.0	#115 PMS NGC68	2	80-90
0061.COMP	10	4:05	20:05:12.9	35:39:02	300	90	3.0	#115 PMS NGC68	2	
0062.id2521	450	4:07	20:04:12.1	35:49:43	300	90	3.0	#115 PMS NGC68	2	80-90
0063.id1028	450	4:16	20:07:32.2	35:41:21	300	90	3.0	#115 PMS NGC68	2	80-90
0064.COMP	10	4:25	20:07:32.2	35:41:21	300	90	3.0	#115 PMS NGC68	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0065.id120	450	4:26	20:06:16.7	35:39:01	300	90	3.0	#115 PMS NGC68	2	80-90
0066.id1334	450	4:37	20:07:00.7	35:43:44	300	90	3.0	#115 PMS NGC68	2	80-90
0067.COMP	10	4:45	20:07:00.7	35:43:44	300	90	3.0	#115 PMS NGC68	2	
0068.id2067	450	4:46	20:05:29.5	35:45:51	300	90	3.0	#115 PMS NGC68	2	80-90
0069.id2265	450	4:56	20:05:04.7	35:52:23	300	90	3.0	#115 PMS NGC68	2	80-90
0070.COMP	10	5:04	20:05:04.7	35:52:23	300	90	3.0	#115 PMS NGC68	2	
0071.id2389	450	5:06	20:04:37.2	35:50:37	300	90	3.0	#115 PMS NGC68	2	80-90
0072.id2605	450	5:14	20:03:55.7	35:40:02	300	90	3.0	#115 PMS NGC68	2	80-90
0073.COMP	10	5:23	20:03:55.7	35:40:02	300	90	3.0	#115 PMS NGC68	2	
0074.id96	450	5:25	20:05:52.0	35:46:19	300	90	3.0	#115 PMS NGC68	2	80-90
0075.id1435	450	5:35	20:06:49.9	35:39:47	300	90	3.0	#115 PMS NGC68	2	80-90
0076.COMP	10	5:43	20:06:49.9	35:39:47	300	90	3.0	#115 PMS NGC68	2	
0077.id1602	450	5:44	20:06:25.1	35:53:47	300	90	3.0	#115 PMS NGC68	2	80-90
0078.id2306	450	5:53	20:04:55.9	35:51:33	300	90	3.0	#115 PMS NGC68	2	80-90
0079.COMP	10	6:01	20:04:55.9	35:51:33	300	90	3.0	#115 PMS NGC68	2	
0080.id2308	450	6:04	20:04:55.8	35:54:21	300	90	3.0	#115 PMS NGC68	2	80-90
0081.id2345	450	6:13	20:04:46.9	35:45:52	300	90	3.0	#115 PMS NGC68	2	80-90
0082.COMP	10	6:21	20:04:46.9	35:45:52	300	90	3.0	#115 PMS NGC68	2	
0083.SNic1468	1200	6:33	23:05:05.8	-03:12:01	300	13	3.0	#2 SN Observat	2	80-90
0084.COMP	10	6:54	23:05:05.8	-03:12:01	300	13	3.0	#2 SN Observat	2	

UT Date 2000-09-29 Observers Z. BalogColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0085.Akn564	180	7:00	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0086.COMP	5	7:04	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0087.Akn564	180	7:05	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0088.COMP	5	7:08	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0089.N7469	120	7:16	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	4	
0090.COMP	5	7:19	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	4	
0091.N7469	120	7:19	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	4	
0092.COMP	5	7:22	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	4	
0093.N7469SN_	600	7:23	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	2	
0094.COMP	10	7:33	23:03:15.7	+08:52:27	300	35	3.0	#6 AGN Monitor	2	
0095.MRK335	120	7:42	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0096.COMP	5	7:44	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0097.MRK335	120	7:45	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0098.COMP	5	7:47	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0099.M32	60	7:52	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0100.COMP	5	7:54	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0101.SN2000dk	600	7:57	01:07:23.5	+32:24:23	300	90	3.0	#2 SN Observat	2	80-90
0102.COMP	10	8:07	01:07:23.5	+32:24:23	300	90	3.0	#2 SN Observat	2	
0103.014124p28280_a	900	8:12	01:44:14.6	28:42:24	300	90	3.0	#113 Galaxy In	2	
0104.COMP	10	8:28	01:44:14.6	28:42:24	300	90	3.0	#113 Galaxy In	2	

UT Date 2000-09-29 Observers Z. BalogColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0105.014124p28280_b	1200	8:32	01:43:57.4	28:41:43	300	90	3.0	#113 Galaxy In	2	
0106.COMP	10	8:53	01:43:57.4	28:41:43	300	90	3.0	#113 Galaxy In	2	
0107.020424p07540_a	1200	8:56	02:07:01.2	08:07:49	300	90	3.0	#113 Galaxy In	2	
0108.COMP	10	9:16	02:07:01.2	08:07:49	300	90	3.0	#113 Galaxy In	2	
0109.020424p07540_b	1200	9:19	02:06:53.2	08:09:58	300	90	3.0	#113 Galaxy In	2	
0110.COMP	10	9:39	02:06:53.2	08:09:58	300	90	3.0	#113 Galaxy In	2	
0111.023012p21400_a	900	9:41	02:32:56.4	21:53:38	300	90	3.0	#113 Galaxy In	2	
0112.COMP	10	9:57	02:32:56.4	21:53:38	300	90	3.0	#113 Galaxy In	2	
0113.025024p12500_a	1200	10:03	02:53:11.9	13:01:53	300	90	3.0	#113 Galaxy In	2	
0114.025024p12500_c	1200	10:30	02:52:55.6	13:04:02	300	90	3.0	#113 Galaxy In	2	80-90
0115.COMP	10	10:51	02:52:55.6	13:04:02	300	90	3.0	#113 Galaxy In	2	
0116.034948p35270_a	1200	10:54	03:53:02.4	35:35:22	300	90	3.0	#113 Galaxy In	2	80-90
0117.COMP	10	11:15	03:53:02.4	35:35:22	300	90	3.0	#113 Galaxy In	2	
0118.034948p35270_b	1200	11:17	03:52:51.4	35:34:30	300	90	3.0	#113 Galaxy In	2	
0119.COMP	10	11:37	03:52:51.4	35:34:30	300	90	3.0	#113 Galaxy In	2	
0120.BGGem	180	11:39	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0121.COMP	10	11:43	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0122.BGGem	900	11:45	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0123.COMP	10	12:00	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0124.022052p572024	120	12:06	02:20:52.6	+57:20:24	300	90	3.0	#83 h/chi Pers	4	

UT Date 2000-09-29 Observers Z. BalogColl. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0125.022054p565646	180	12:09	02:20:54.3	+56:56:46	300	90	3.0	#83 h/chi Pers	4	
0126.COMP	10	12:12	02:20:54.3	+56:56:46	300	90	3.0	#83 h/chi Pers	4	
0127.022054p570625	180	12:15	02:20:54.6	+57:06:25	300	90	3.0	#83 h/chi Pers	4	
0128.022054p571509	180	12:20	02:20:55.0	+57:15:09	300	90	3.0	#83 h/chi Pers	4	
0129.COMP	5	12:23	02:20:55.0	+57:15:09	300	90	3.0	#83 h/chi Pers	4	
0130.G191B2B	120	12:25	05:05:30.6	+52:49:51	300	90	3.0	#56 Photometri	2	
0131.COMP	10	12:28	05:05:30.6	+52:49:51	300	90	3.0	#56 Photometri	2	
0132-0138.sky	5	12:58	05:43:29	31:30:00	300	90	3.0	#57 Velocity S	4	
0139.COMP	5	12:58	05:43:29	31:30:00	300	90	3.0	#57 Velocity S	4	
0140-0149.FLAT	7	13:04	05:43:29	31:30:00	300	90	3.0	#57 Velocity S	4	
0150-0159.FLAT	14	13:10	05:43:29	31:30:00	300	90	3.0	#57 Velocity S	2	
0160-0169.BIAS	0	13:13	05:43:29	31:30:00	300	90	3.0	#57 Velocity S	2	
0170-0179.BIAS	0	13:14	05:43:29	31:30:00	300	90	3.0	#57 Velocity S	4	

UT Date 2000-09-30 Observers M CalkinsColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001.DARK	900	1:20	18:47:49.0	31:30:06	600	90	2.0	#57 Velocity S	2	
0002-0005.DARK	900	2:21	19:48:52.0	31:30:05	600	90	2.0	#57 Velocity S	2	
0006-0009.BIAS	0	2:37	19:50:09.0	31:30:05	600	90	2.0	#57 Velocity S	2	
0010-0015.BIAS	0	2:39	19:51:30.0	31:30:04	600	90	2.0	#57 Velocity S	2	
0016-0025.FLAT	35	2:53	20:06:28.0	31:30:04	600	90	2.0	#57 Velocity S	2	
0026.BDp404032	120	3:41	20:08:24.1	+41:15:03	600	-39	2.0	#56 Photometri	2	
0027.COMP	30	3:44	20:08:24.1	+41:15:03	600	-39	2.0	#56 Photometri	2	
0028.HD198809	51	3:51	20:52:7.7	27:05:49	600	90	2.0	#88 Velocity S	2	
0029.COMP	30	3:52	20:52:7.7	27:05:49	600	90	2.0	#88 Velocity S	2	
0030.HD198809	32	3:54	20:52:7.7	27:05:49	600	90	2.0	#88 Velocity S	2	
0031.COMP	30	3:55	20:52:7.7	27:05:49	600	90	2.0	#88 Velocity S	2	
0032.M32	120	4:00	00:39:57.7	40:35:26	600	-10	2.0	#88f Velocity	2	
0033.M32	120	4:02	00:39:57.7	40:35:26	600	-10	2.0	#88f Velocity	2	
0034.M32	120	4:04	00:39:57.7	40:35:26	600	-10	2.0	#88f Velocity	2	
0035.COMP	30	4:07	00:39:57.7	40:35:26	600	-10	2.0	#88f Velocity	2	
0036.COMP	30	4:15	00:44:25.8	16:48:49	600	64	2.0	#88f Velocity	2	
0037.MF7147	900	4:16	00:44:25.8	16:48:49	600	64	2.0	#88f Velocity	2	
0038.MF7147	900	4:31	00:44:25.8	16:48:49	600	64	2.0	#88f Velocity	2	
0039.MF7147	900	4:46	00:44:25.8	16:48:49	600	64	2.0	#88f Velocity	2	
0040.COMP	30	5:02	00:44:25.8	16:48:49	600	64	2.0	#88f Velocity	2	

UT Date 2000-09-30 Observers M CalkinsColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0041.COMP	30	5:07	18:35:58.5	51:27:32	600	100	2.0	#88f Velocity	2	
0042.MF7060	600	5:08	18:35:58.5	51:27:32	600	100	2.0	#88f Velocity	2	
0043.MF7060	600	5:18	18:35:58.5	51:27:32	600	100	2.0	#88f Velocity	2	
0044.MF7060	900	5:29	18:35:58.5	51:27:32	600	100	2.0	#88f Velocity	2	
0045.COMP	30	5:44	18:35:58.5	51:27:32	600	100	2.0	#88f Velocity	2	
0046.COMP	30	5:50	02:15:56.1	+23:22:48	600	-65	2.0	#88f Mass Func	2	
0047.MF2378	1200	5:51	02:15:56.1	+23:22:48	600	-65	2.0	#88f Mass Func	2	
0048.MF2378	1200	6:11	02:15:56.1	+23:22:48	600	-65	2.0	#88f Mass Func	2	
0049.MF2378	1200	6:32	02:15:56.1	+23:22:48	600	-65	2.0	#88f Mass Func	2	
0050.COMP	30	6:56	02:15:56.1	+23:22:48	600	-65	2.0	#88f Mass Func	2	
0051.COMP	30	6:58	02:49:50.7	+13:08:43	600	-15	2.0	#88f Mass Func	2	
0052.MF2526	1200	7:00	02:49:50.7	+13:08:43	600	-15	2.0	#88f Mass Func	2	
0053.MF2526	1200	7:20	02:49:50.7	+13:08:43	600	-15	2.0	#88f Mass Func	2	
0054.MF2526	1200	7:40	02:49:50.7	+13:08:43	600	-15	2.0	#88f Mass Func	2	
0055.COMP	30	8:02	02:49:50.7	+13:08:43	600	-15	2.0	#88f Mass Func	2	
0056.HD25604	31	9:01	04:04:41.7	22:04:54	600	-15	2.0	#88f Velocity	2	
0057.COMP	30	9:02	04:04:41.7	22:04:54	600	-15	2.0	#88f Velocity	2	
0058.COMP	30	9:09	03:02:6.0	11:30:52	600	-10	2.0	#88f Mass Func	2	
0059.MF7088	1200	9:10	03:02:6.0	11:30:52	600	-10	2.0	#88f Mass Func	2	
0060.MF7088	1200	9:30	03:02:6.0	11:30:52	600	-10	2.0	#88f Mass Func	2	

UT Date 2000-09-30 Observers M CalkinsColl. Focus 1000 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0061.MF7088	1200	9:51	03:02:6.0	11:30:52	600	-10	2.0	#88f Mass Func	2	
0062.COMP	30	10:12	03:02:6.0	11:30:52	600	-10	2.0	#88f Mass Func	2	
0063.COMP	30	10:15	02:54:1.9	11:49:46	600	-10	2.0	#88f Mass Func	2	
0064.MF7141	1200	10:16	02:54:1.9	11:49:46	600	-12	2.0	#88f Mass Func	2	
0065.MF7141	1200	10:37	02:54:1.9	11:49:46	600	-12	2.0	#88f Mass Func	2	
0066.MF7141	1200	10:57	02:54:1.9	11:49:46	600	-12	2.0	#88f Mass Func	2	
0067.COMP	30	11:17	02:54:1.9	11:49:46	600	-12	2.0	#88f Mass Func	2	
0068.HD27371	22	11:24	04:19:47.6	15:37:39	600	0	2.0	#88f Velocity	2	
0069.COMP	30	11:25	04:19:47.6	15:37:39	600	0	2.0	#88f Velocity	2	
0070.MF4002	450	11:29	7:9:11.1	+43:41:50	600	30	2.0	#88f Mass Func	2	
0071.MF4002	450	11:36	7:9:11.1	+43:41:50	600	30	2.0	#88f Mass Func	2	
0072.COMP	30	11:44	7:9:11.1	+43:41:50	600	30	2.0	#88f Mass Func	2	
0073.MF2742	600	11:49	07:39:06.0	+29:09:35	600	-23	2.0	#88f Mass Func	2	
0074.MF2742	600	11:59	07:39:06.0	+29:09:35	600	-23	2.0	#88f Mass Func	2	
0075.COMP	30	12:09	07:39:06.0	+29:09:35	600	-23	2.0	#88f Mass Func	2	
0076.NGC1023	120	12:15	02:37:15.8	38:50:55	600	87	2.0	#88f velocity	2	
0077.NGC1023	120	12:17	02:37:15.8	38:50:55	600	87	2.0	#88f velocity	2	
0078.NGC1023	120	12:19	02:37:15.8	38:50:55	600	87	2.0	#88f velocity	2	
0079.COMP	30	12:22	02:37:15.8	38:50:55	600	87	2.0	#88f velocity	2	
0080.Hiltner600	60	12:25	06:45:12.0	+02:06:00	600	90	2.0	#56 Photometri	2	

UT Date 2000-09-30 Observers M CalkinsColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0081.COMP	30	12:26	06:45:12.0	+02:06:00	600	90	2.0	#56 Photometri	2	
0082.HD48433	23	12:29	06:43:59.3	13:13:40	600	90	2.0	#88f Velocity	2	
0083.COMP	30	12:30	06:43:59.3	13:13:40	600	90	2.0	#88f Velocity	2	
0084-0088.sky	2	13:10	06:43:59.3	13:13:40	600	90	2.0	#57 Velocity S	2	
0089.COMP	30	13:10	06:43:59.3	13:13:40	600	90	2.0	#57 Velocity S	2	
0090-0099.BIAS	0	13:14	06:43:59.3	13:13:40	600	90	2.0	#57 Velocity S	2	
0100-0109.FLAT	35	13:22	06:43:59.3	13:13:40	600	90	2.0	#57 Velocity S	2	
0110-0119.DARK	900	15:50	06:43:59.3	13:13:40	600	90	2.0	#57 Velocity S	2	

UT Date 2000-10-01 Observers M CalkinsColl. Focus 1000 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0002.DARK	900	22:51	16:05:02.0	31:30:14	600	90	2.0	#57 Velocity S	2	
0003-0004.DARK	900	23:46	17:17:08.0	31:30:10	600	90	2.0	#57 Velocity S	2	
0005.DARK	900	0:01	17:32:25.0	31:30:09	600	90	2.0	#57 Velocity S	2	
0006.DARK	900	0:16	17:47:40.0	31:30:08	600	90	2.0	#57 Velocity S	2	
0007-0008.DARK	900	0:47	18:18:14.0	31:30:07	600	90	2.0	#57 Velocity S	2	
0009-0010.DARK	900	1:17	18:48:46.0	31:30:06	600	90	2.0	#57 Velocity S	2	
0011-0020.BIAS	0	1:45	19:02:01.0	31:30:05	600	90	2.0	#57 Velocity S	2	
0021-0030.FLAT	35	1:55	19:12:14.0	31:30:05	600	90	2.0	#57 Velocity S	2	
0031.CygOB2no9	20	4:17	20:33:10.7	+41:15:08	600	90	2.0	#56 Photometri	2	
0032.COMP	30	4:17	20:33:10.7	+41:15:08	600	90	2.0	#56 Photometri	2	
0033.HD180242	51	4:39	19:15:02.7	20:12:11	600	90	2.0	#88f Velocity	2	
0034.COMP	30	4:41	19:15:02.7	20:12:11	600	90	2.0	#88f Velocity	2	
0035.M32	120	4:59	00:39:58	+40:35:30	600	-10	2.0	#57 Velocity S	2	
0036.M32	120	5:01	00:39:58	+40:35:30	600	-10	2.0	#57 Velocity S	2	
0037.M32	120	5:03	00:39:58	+40:35:30	600	-10	2.0	#57 Velocity S	2	
0038.COMP	30	5:06	00:39:58	+40:35:30	600	-10	2.0	#57 Velocity S	2	
0039.COMP	30	5:55	01:17:42.2	19:57:45	600	-50	2.0	#88f Mass Func	2	
0040.MF7114	900	5:56	01:17:42.2	19:57:45	600	-50	2.0	#88f Mass Func	2	
0041.MF7114	900	6:11	01:17:42.2	19:57:45	600	-50	2.0	#88f Mass Func	2	
0042.MF7114	900	6:27	01:17:42.2	19:57:45	600	-50	2.0	#88f Mass Func	2	

UT Date 2000-10-01 Observers M CalkinsColl. Focus 1000 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0043.COMP	30	6:42	01:17:42.2	19:57:45	600	-50	2.0	#88f Mass Func	2	
0044.MF2259	450	6:44	01:44:35.5	+37:41:44	600	-3	2.0	#88f Mass Func	2	
0045.MF2259	450	6:52	01:44:35.5	+37:41:44	600	-3	2.0	#88f Mass Func	2	
0046.COMP	30	7:00	01:44:35.5	+37:41:44	600	-3	2.0	#88f Mass Func	2	
0047.COMP	30	7:04	02:56:32.9	15:54:37	600	-3	2.0	#88f Mass Func	2	
0048.MF7004	1200	7:05	02:56:32.9	15:54:37	600	-55	2.0	#88f Mass Func	2	
0049.COMP	30	8:05	02:56:32.9	15:54:37	600	-55	2.0	#88f Mass Func	2	
0050.MF7004	1200	8:06	02:56:32.9	15:54:37	600	-55	2.0	#88f Mass Func	2	
0051.MF7004	1200	8:26	02:56:32.9	15:54:37	600	-55	2.0	#88f Mass Func	2	
0052.COMP	30	8:46	02:56:32.9	15:54:37	600	-55	2.0	#88f Mass Func	2	
0053.HD25604	22	9:30	04:04:41.7	22:04:54	600	-55	2.0	#88f Velocity	2	
0054.COMP	30	9:31	04:04:41.7	22:04:54	600	-55	2.0	#88f Velocity	2	