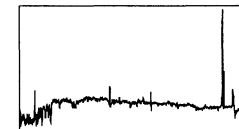
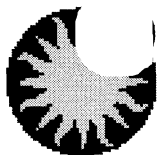
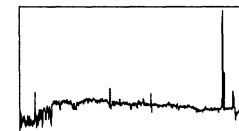
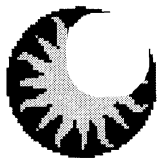
UT Date 2002-11-02 Observers I GinsburgColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	22:23	17:43:41.1	+31:30:20	300	90	3.0	#68 2MASS Reds	2	
0002.COMP	5	22:27	17:47:08.3	+31:30:19	300	90	3.0	#68 2MASS Reds	2	
0003.COMP	5	22:28	17:48:43.8	+31:30:19	300	90	3.0	#68 2MASS Reds	2	
0004.COMP	10	22:53	18:13:39.3	+31:30:13	300	90	3.0	#68 2MASS Reds	2	
0005.COMP	10	22:56	18:16:40.7	+31:30:12	300	90	3.0	#68 2MASS Reds	2	
0006.COMP	10	23:08	18:28:27.2	+31:30:09	300	90	3.0	#68 2MASS Reds	2	
0007.COMP	10	23:10	18:30:33.4	+31:30:09	300	90	3.0	#68 2MASS Reds	2	
0008-0027.BIAS	0	1:01	19:51:37.5	+31:29:50	300	90	3.0	#68 2MASS Reds	2	
0028-0037.FLAT	16	1:07	19:51:37.4	+31:29:50	300	90	3.0	#68 2MASS Reds	2	
0038.COMP	10	1:08	19:51:37.4	+31:29:50	300	90	3.0	#68 2MASS Reds	2	
0039.HD192281	5	1:37	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0040.HD192281	5	1:40	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0041.COMP	10	1:42	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	2	
0042.snngc6946	1200	2:50	20:34:50.0	+60:09:12	300	90	3.0	#2 SN Observat	2	
0043.snngc6946	1200	3:21	20:34:50.0	+60:09:12	300	-58	3.0	#2 SN Observat	2	
0044.COMP	10	3:43	20:34:50.0	+60:09:12	300	-58	3.0	#2 SN Observat	2	
0045.Akn564	240	4:21	22:42:39.4	+29:43:31	300	75	3.0	#6 AGN Monitor	2	} essentially NO comp
0046.Akn564	240	4:25	22:42:39.4	+29:43:31	300	75	3.0	#6 AGN Monitor	2	
0047.COMP	10	4:40	23:03:15.7	+08:52:27	300	75	3.0	#6 AGN Monitor	2	
0048.N7469	120	4:52	23:03:15.7	+08:52:27	300	75	3.0	#6 AGN Monitor	2	

UT Date 2002-11-02 Observers I GinsburgColl. Focus 980 Grating/Grism 300

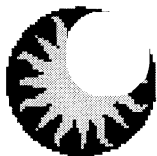
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.N7469	120	4:54	23:03:15.7	+08:52:27	300	75	3.0	#6 AGN Monitor	2	
0050.COMP	10	4:57	23:03:15.7	+08:52:27	300	75	3.0	#6 AGN Monitor	2	
0051.2MJ0039470p555252	1200	5:47	00:39:47.0	+55:52:52	300	75	3.0	#68 2MASS Reds	2	
0052.COMP	10	6:08	00:39:47.0	+55:52:52	300	75	3.0	#68 2MASS Reds	2	
0053.2MJ0131129p673512	1200	6:19	01:31:12.9	+67:35:12	300	75	3.0	#68 2MASS Reds	2	which object?
0054.COMP	10	6:42	01:31:12.9	+67:35:12	300	75	3.0	#68 2MASS Reds	2	
0055.2MJ0221309p703812	1200	6:53	02:21:30.9	+70:38:12	300	75	3.0	#68 2MASS Reds	2	which object?
0056.COMP	10	7:17	02:21:30.9	+70:38:12	300	75	3.0	#68 2MASS Reds	2	
0057.2MJ0400000p402342	1200	9:36	04:00:00.0	+40:23:42	300	75	3.0	#68 2MASS Reds	2	NO COMP
0058.COMP	10	10:52	06:08:56.4	+31:47:25	300	75	3.0	#68 2MASS Reds	2	
0059.2MJ0608564p314725	1200	10:52	06:08:56.4	+31:47:25	300	75	3.0	#68 2MASS Reds	2	
0060.COMP	10	11:14	06:08:56.4	+31:47:25	300	75	3.0	#68 2MASS Reds	2	
0061.2MJ0606472p314618	1200	11:18	06:06:47.2	+31:46:18	300	75	3.0	#68 2MASS Reds	2	which object?
0062.COMP	10	11:45	06:06:47.2	+31:46:18	300	75	3.0	#68 2MASS Reds	2	
0063.2MJ0613108p301617	1200	12:02	06:13:10.8	+30:16:17	300	75	3.0	#68 2MASS Reds	2	
0064.COMP	10	12:23	06:13:10.8	+30:16:17	300	75	3.0	#68 2MASS Reds	2	
<del>0065.2MJ0613108p301617</del>	1200	12:27	08:19:58.8	+62:49:13	300	75	3.0	#68 2MASS Reds	2	NO COMP
0066-0075.FLAT	80	13:17	08:19:58.8	+62:49:13	300	75	3.0	#68 2MASS Reds	2	NOT FLATS

See 2002he - reduced even though there was no comp

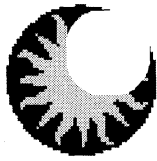
UT Date 2002-11-03 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0002.DARK	900	1:03	08:19:58.8	+62:49:13	300	90	3.0	none	2	
0003-0012.BIAS	0	1:19	08:19:58.8	+62:49:13	300	90	3.0	none	4	
0013-0022.FLAT	6	1:23	08:19:58.8	+62:49:13	300	90	3.0	none	4	
0023-0032.BIAS	0	1:26	08:19:58.8	+62:49:13	300	90	3.0	none	2	
0033-0042.FLAT	12	1:30	08:19:58.8	+62:49:13	300	90	3.0	none	2	
0043.BDp284211	120	1:40	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	clouds overhead...
0044.COMP	5	1:42	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0045.BDp284211	120	1:43	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0046.COMP	12	1:46	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0047.BDp284211	180	1:48	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0048.COMP	12	1:52	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0049.BDp284211	120	1:55	21:48:57.1	28:37:48	300	110	3.0	#56 Spectropho	2	
0050.COMP	12	1:57	21:48:57.1	28:37:48	300	110	3.0	#56 Spectropho	2	
0051.BDp284211	90	1:58	21:48:57.1	28:37:48	300	110	3.0	#56 Spectropho	2	
0052.COMP	12	2:00	21:48:57.1	28:37:48	300	110	3.0	#56 Spectropho	2	
0053.sn2002ha	720	2:07	20:47:18.5	+00:18:45	300	17	3.0	#2 SN Observat	2	shorten for clouds, row=86
0054.COMP	12	2:19	20:47:18.5	+00:18:45	300	17	3.0	#2 SN Observat	2	
0055.possibleSN	600	2:25	20:47:18.5	+00:18:45	300	17	3.0	#2 SN Observat	2	not an sne
0056.COMP	12	2:36	20:47:18.5	+00:18:45	300	17	3.0	#2 SN Observat	2	
0057.N7331	180	2:46	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	

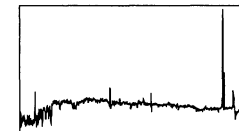
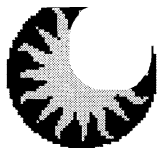
NO BIN BY 4 DARKS BUT ONLY 1 BIN BY 4 FILE

UT Date 2002-11-03 Observers M CalkinsColl. Focus 980 Grating/Grism 300

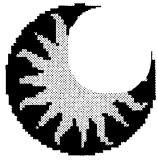
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.COMP	12	2:49	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0059.shtr37_2.1-70	720	2:52	21:39:50.5	57:18:35	300	90	3.0	#137 Intermedi	2	
0060.COMP	12	3:05	21:39:50.5	57:18:35	300	90	3.0	#137 Intermedi	2	
0061.shtr37_2.1-2090	600	3:06	21:39:25.1	57:29:13	300	90	3.0	#137 Intermedi	2	need more counts
0062.COMP	12	3:16	21:39:25.1	57:29:13	300	90	3.0	#137 Intermedi	2	
0063.shtr37_2.1-2090	1200	3:19	21:39:25.1	57:29:13	300	90	3.0	#137 Intermedi	2	
0064.COMP	12	3:40	21:39:25.1	57:29:13	300	90	3.0	#137 Intermedi	2	
0065.shtr37_2.1-632	480	3:41	21:39:50.4	57:21:29	300	90	3.0	#137 Intermedi	2	
0066.COMP	12	3:49	21:39:50.4	57:21:29	300	90	3.0	#137 Intermedi	2	
0067.shtr37_2.1-1705	720	3:50	21:39:52.1	57:27:24	300	90	3.0	#137 Intermedi	2	
0068.COMP	12	4:03	21:39:52.1	57:27:24	300	90	3.0	#137 Intermedi	2	
0069.shtr37_2.2-879	1200	4:04	21:41:35.6	57:23:49	300	90	3.0	#137 Intermedi	2	
0070.COMP	12	4:24	21:41:35.6	57:23:49	300	90	3.0	#137 Intermedi	2	
0071.shtr37_2.3-933	780	4:26	21:40:44.1	57:37:53	300	90	3.0	#137 Intermedi	2	
0072.COMP	12	4:40	21:40:44.1	57:37:53	300	90	3.0	#137 Intermedi	2	
0073.shtr37_2.4-363	600	4:41	21:39:15.7	57:32:42	300	90	3.0	#137 Intermedi	2	
0074.COMP	12	4:51	21:39:15.7	57:32:42	300	90	3.0	#137 Intermedi	2	wait out some clouds...
0075-0084.BIAS	0	12:59	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	4	
0085-0094.FLAT	6	13:02	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	4	
0095-0104.BIAS	0	13:04	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	2	

UT Date 2002-11-03 Observers M CalkinsColl. Focus 980 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>
0105-0114.FLAT	12	13:09	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	2	
0115-0124.DARK	900	15:44	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	2	

UT Date 2002-11-04 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	0:54	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	4	
0008-0017.BIAS	0	1:11	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	4	
0018-0027.FLAT	6	1:14	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	4	
0028-0037.BIAS	0	1:17	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	2	
0038-0047.FLAT	12	1:21	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	2	
0048.BDp284211	70	2:03	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	clouds at sunset...
0049.BDp284211	70	2:05	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0050.COMP	5	2:06	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0051.BDp284211	70	2:08	21:48:57.1	28:37:48	300	-51	3.0	#56 Spectropho	2	
0052.BDp284211	70	2:09	21:48:57.1	28:37:48	300	-51	3.0	#56 Spectropho	2	
0053.COMP	12	2:11	21:48:57.1	28:37:48	300	-51	3.0	#56 Spectropho	2	
0054.3C390.3	540	2:17	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	more exposures for cts
0055.3C390.3	600	2:26	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0056.3C390.3	600	2:37	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0057.COMP	12	2:47	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0058.ZAnd	2	4:44	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	hole overhead
0059.ZAnd	5	4:44	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0060.ZAnd	15	4:44	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0061.COMP	12	4:45	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0062.0o2589	5	4:48	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	2	

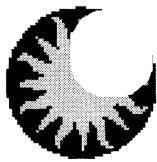
UT Date 2002-11-04 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.0o2589	5	4:48	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	2	
0064.0o2589	5	4:48	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	2	
0065.COMP	12	4:49	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	2	wait out more clouds
0066.FLAT	22	5:22	23:30:33.5	+03:54:06	600	90	3.0	#140 Disk Gala	2	600L, 3arcsec, tilt=743
0067-0075.FLAT	22	5:27	23:30:33.5	+03:54:06	600	90	3.0	#140 Disk Gala	2	
0076.NGC7685	1200	5:32	23:30:33.5	+03:54:06	600	-26	3.0	#140 Disk Gala	2	
0077.COMP	20	5:52	23:30:33.5	+03:54:06	600	-26	3.0	#140 Disk Gala	2	
0078.NGC7685	1200	5:53	23:30:33.5	+03:54:06	600	-26	3.0	#140 Disk Gala	2	
0079.COMP	20	6:14	23:30:33.5	+03:54:06	600	-26	3.0	#140 Disk Gala	2	
0080.NGC7757	1200	6:16	23:48:45.5	+04:10:16	600	-40	3.0	#140 Disk Gala	2	
0081.COMP	20	6:37	23:48:45.5	+04:10:16	600	-40	3.0	#140 Disk Gala	2	
0082.NGC7757	1200	6:38	23:48:45.5	+04:10:16	600	-40	3.0	#140 Disk Gala	2	
0083.COMP	20	6:58	23:48:45.5	+04:10:16	600	-40	3.0	#140 Disk Gala	2	
0084.Feige24	120	7:02	02:32:31	03:30:51	600	-2	3.0	#56 Spectropho	2	
0085.COMP	20	7:05	02:32:31	03:30:51	600	-2	3.0	#56 Spectropho	2	
0086.Feige24	120	7:06	02:32:31	03:30:51	600	-2	3.0	#56 Spectropho	2	
0087.COMP	20	7:09	02:32:31	03:30:51	600	-2	3.0	#56 Spectropho	2	600L, tilt=430, 2arcsec
0088-0097.FLAT	40	7:22	02:32:31	03:30:51	600	90	2.0	#56 Spectropho	4	
0098.HD014252	6	7:26	2:18:56.9	28:38:33	600	90	2.0	#122 Halo Star	4	
0099.HD014252	6	7:26	2:18:56.9	28:38:33	600	90	2.0	#122 Halo Star	4	

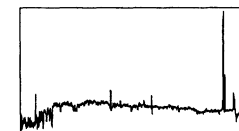
UT Date 2002-11-04 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0100.HD014252	6	7:26	2:18:56.9	28:38:33	600	90	2.0	#122 Halo Star	4	
0101.HD014252	6	7:26	2:18:56.9	28:38:33	600	90	2.0	#122 Halo Star	4	
0102.HD014252	6	7:27	2:18:56.9	28:38:33	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	7:28	2:18:56.9	28:38:33	600	90	2.0	#122 Halo Star	4	
0104.hss067	900	7:44	2:19:14.6	1:13:51	600	90	2.0	#122 Halo Star	4	
0105.hss067	900	7:59	2:19:14.6	1:13:51	600	90	2.0	#122 Halo Star	4	poor conditions...
0106.COMP	20	8:15	2:19:14.6	1:13:51	600	90	2.0	#122 Halo Star	4	will get again at later date
0107.sn2002fk	1200	8:23	03:22:05.7	-15:24:03	300	8	3.0	#2 SN Observat	2	
0108.COMP	12	8:43	03:22:05.7	-15:24:03	300	8	3.0	#2 SN Observat	2	
0109.sb36	900	8:50	02:42:35.6	+34:45:48	300	60	3.0	#135 Starburst	2	
0110.sb36	900	9:06	02:42:35.6	+34:45:48	300	60	3.0	#135 Starburst	2	
0111.COMP	12	9:21	02:42:35.6	+34:45:48	300	60	3.0	#135 Starburst	2	
0112.sb39	1200	9:23	02:46:24.4	+11:05:36	300	0	3.0	#135 Starburst	2	
0113.COMP	12	9:44	02:46:24.4	+11:05:36	300	0	3.0	#135 Starburst	2	
0114.sb37	1200	9:46	02:45:26.9	+18:08:15	300	40	3.0	#135 Starburst	2	row=85
0115.COMP	12	10:07	02:45:26.9	+18:08:15	300	40	3.0	#135 Starburst	2	
0116.sb38	900	10:12	02:46:17.4	+13:05:44	300	110	3.0	#135 Starburst	2	
0117.sb38	900	10:27	02:46:17.4	+13:05:44	300	110	3.0	#135 Starburst	2	
0118.COMP	12	10:43	02:46:17.4	+13:05:44	300	110	3.0	#135 Starburst	2	
0119.BGGem	300	10:46	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	

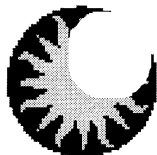


UT Date 2002-11-04 Observers M CalkinsColl. Focus 980 Grating/Grism 300

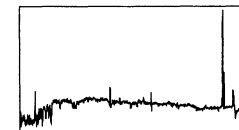
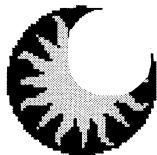
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0120.COMP	12	10:51	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0121.BGGem	1200	10:53	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0122.COMP	12	11:13	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0123.sn2002hd	1200	11:18	08:54:03.3	-07:11:21	300	-36	3.0	#2 SN Observat	2	
0124.COMP	12	11:39	08:54:03.3	-07:11:21	300	-36	3.0	#2 SN Observat	2	
0125.Akn120	300	11:44	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0126.COMP	12	11:49	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0127.vso-19330	660	11:53	05:34:40.8	-4:40:20	300	90	3.0	#112 Orion PMS	2	
0128.COMP	12	12:05	05:34:40.8	-4:40:20	300	90	3.0	#112 Orion PMS	2	
0129.vso-19332	540	12:06	05:34:41.8	-4:53:46	300	90	3.0	#112 Orion PMS	2	
0130.COMP	12	12:15	05:34:41.8	-4:53:46	300	90	3.0	#112 Orion PMS	2	
0131.vso-19335	420	12:17	05:34:42.7	-4:42:14	300	90	3.0	#112 Orion PMS	2	
0132.COMP	12	12:24	05:34:42.7	-4:42:14	300	90	3.0	#112 Orion PMS	2	
0133.vso-19357	600	12:26	05:34:46.9	-4:59:12	300	90	3.0	#112 Orion PMS	2	
0134.COMP	12	12:37	05:34:46.9	-4:59:12	300	90	3.0	#112 Orion PMS	2	
0135.MRK110	360	12:40	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0136.COMP	12	12:46	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0137.N3227	150	12:48	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0138.N3227	150	12:51	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0139.COMP	12	12:54	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	

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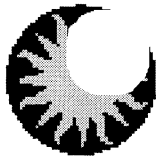
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0140.Hiltner600	70	12:56	06:42:37.2	02:11:25	300	36	3.0	#56 Spectropho	2	
0141.COMP	12	12:58	06:42:37.2	02:11:25	300	36	3.0	#56 Spectropho	2	
0142.WILSON6377	3	13:01	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0143.COMP	12	13:02	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0144-0148.sky	2	13:28	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0149.COMP	5	13:29	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0150-0159.BIAS	0	13:31	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0160-0169.FLAT	6	13:34	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0170-0179.BIAS	0	13:37	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0180-0189.FLAT	12	13:41	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0190-0199.DARK	900	15:59	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	

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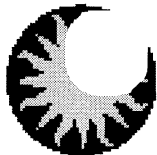
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0008.DARK	900	1:00	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0009-0018.BIAS	0	1:16	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0019-0028.FLAT	6	1:19	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0029-0038.BIAS	0	1:21	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0039-0048.FLAT	12	1:28	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0049.BDp284211	75	1:35	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0050.BDp284211	75	1:36	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0051.COMP	5	1:38	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0052.BDp284211	75	1:42	21:48:57.1	28:37:48	300	110	3.0	#56 Spectropho	2	
0053.BDp284211	75	1:44	21:48:57.1	28:37:48	300	110	3.0	#56 Spectropho	2	
0054.COMP	12	1:45	21:48:57.1	28:37:48	300	110	3.0	#56 Spectropho	2	
0055.N7331	210	1:48	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:53	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0057.N7331	210	1:54	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0058.COMP	12	1:58	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0059.MRK509	300	2:00	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0060.MRK509	300	2:06	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0061.COMP	12	2:11	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0062.Akn564	240	2:13	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0063.Akn564	240	2:17	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	

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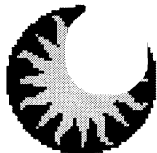
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.COMP	12	2:22	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0065.N7469	120	2:23	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0066.N7469	120	2:26	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0067.COMP	12	2:28	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0068.sn2002ha	1200	2:31	20:47:18.5	+00:18:45	300	28	3.0	#2 SN Observat	2	
0069.COMP	12	2:52	20:47:18.5	+00:18:45	300	28	3.0	#2 SN Observat	2	
0070.shtr37_2.4-579	660	2:56	21:40:2.0	57:33:55	300	90	3.0	#137 Intermedi	2	row=80
0071.COMP	12	3:07	21:40:2.0	57:33:55	300	90	3.0	#137 Intermedi	2	
0072.shtr37_2.4-706	960	3:10	21:39:41.5	57:34:35	300	90	3.0	#137 Intermedi	2	
0073.COMP	12	3:27	21:39:41.5	57:34:35	300	90	3.0	#137 Intermedi	2	
0074.shtr37_2.4-1640	840	3:28	21:39:44.8	57:39:24	300	90	3.0	#137 Intermedi	2	
0075.COMP	12	3:42	21:39:44.8	57:39:24	300	90	3.0	#137 Intermedi	2	
0076.shtr37_2.4-1889	1200	3:43	21:39:3.3	57:40:37	300	90	3.0	#137 Intermedi	2	
0077.COMP	12	4:04	21:39:3.3	57:40:37	300	90	3.0	#137 Intermedi	2	
0078.shtr37_2.4-26	300	4:05	21:39:40.0	57:30:35	300	90	3.0	#137 Intermedi	2	
0079.COMP	12	4:10	21:39:40.0	57:30:35	300	90	3.0	#137 Intermedi	2	
0080.shtr37_2.4-66	720	4:11	21:39:9.2	57:30:50	300	90	3.0	#137 Intermedi	2	
0081.COMP	12	4:24	21:39:9.2	57:30:50	300	90	3.0	#137 Intermedi	2	
0082.shtr37_2.4-110	540	4:26	21:39:6.2	57:31:4	300	90	3.0	#137 Intermedi	2	
0083.COMP	12	4:35	21:39:6.2	57:31:4	300	90	3.0	#137 Intermedi	2	

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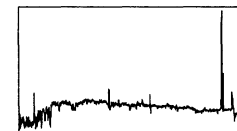
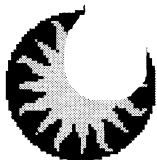
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.cairnsk_001	600	4:38	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	2	
0085.COMP	12	4:49	0:57:55.3	-2:25:40	300	90	3.0	#137 Intermedi	2	
0086.cairnsk_002	420	4:50	1:15:52.2	-1:22:6	300	90	3.0	#137 Intermedi	2	
0087.COMP	12	4:57	1:15:52.2	-1:22:6	300	90	3.0	#137 Intermedi	2	
0088.cairnsk_003	180	4:58	0:46:6.3	-1:43:43	300	90	3.0	#137 Intermedi	2	
0089.COMP	12	5:02	0:46:6.3	-1:43:43	300	90	3.0	#137 Intermedi	2	
0090.cairnsk_004	660	5:03	1:1:9.2	-2:54:22	300	90	3.0	#137 Intermedi	2	
0091.COMP	12	5:15	1:1:9.2	-2:54:22	300	90	3.0	#137 Intermedi	2	
0092.cairnsk_005	540	5:16	1:1:9.9	-2:30:19	300	90	3.0	#137 Intermedi	2	
0093.COMP	12	5:25	1:1:9.9	-2:30:19	300	90	3.0	#137 Intermedi	2	
0094.cairnsk_006	420	5:26	1:13:44.8	2:28:0	300	90	3.0	#137 Intermedi	2	
0095.COMP	12	5:34	1:13:44.8	2:28:0	300	90	3.0	#137 Intermedi	2	
0096.cairnsk_007	540	5:35	1:18:45.3	-1:54:19	300	90	3.0	#137 Intermedi	2	
0097.COMP	12	5:51	1:18:45.3	-1:54:19	300	90	3.0	#137 Intermedi	2	
0098.cairnsk_009	510	5:53	0:56:34.1	-2:50:36	300	90	3.0	#137 Intermedi	2	
0099.COMP	12	6:02	0:56:34.1	-2:50:36	300	90	3.0	#137 Intermedi	2	
0100.cairnsk_010	540	6:03	1:15:59.5	0:53:3	300	90	3.0	#137 Intermedi	2	
0101.COMP	12	6:13	1:15:59.5	0:53:3	300	90	3.0	#137 Intermedi	2	
0102.hss049	1200	7:20	1:35:32.1	0:57:29	600	20	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=430
0103.COMP	10	7:41	1:35:32.1	0:57:29	600	20	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0104.HD016895	1	7:44	2:44:10.0	49:13:42	600	90	2.0	#122 Halo Star	4	
0105.HD016895	1	7:44	2:44:10.0	49:13:42	600	90	2.0	#122 Halo Star	4	
0106.HD016895	1	7:44	2:44:10.0	49:13:42	600	90	2.0	#122 Halo Star	4	
0107.HD016895	1	7:45	2:44:10.0	49:13:42	600	90	2.0	#122 Halo Star	4	
0108.HD016895	1	7:45	2:44:10.0	49:13:42	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	7:45	2:44:10.0	49:13:42	600	90	2.0	#122 Halo Star	4	
0110.hss038	900	7:49	1:01:17.7	1:11:38	600	90	2.0	#122 Halo Star	4	
0111.hss038	900	8:04	1:01:17.7	1:11:38	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	8:19	1:01:17.7	1:11:38	600	90	2.0	#122 Halo Star	4	
0113.hss076	1200	8:25	3:01:58.5	-1:08:34	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	8:46	3:01:58.5	-1:08:34	600	90	2.0	#122 Halo Star	4	
0115.hss075	1200	8:47	2:57:42.9	-1:11:41	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	9:07	2:57:42.9	-1:11:41	600	90	2.0	#122 Halo Star	4	
0117.hss067	900	9:09	2:19:14.6	1:13:51	600	90	2.0	#122 Halo Star	4	
0118.hss067	900	9:24	2:19:14.6	1:13:51	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	9:39	2:19:14.6	1:13:51	600	90	2.0	#122 Halo Star	4	
0120.hss068	1200	9:41	2:19:18.6	1:13:57	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	10:02	2:19:18.6	1:13:57	600	90	2.0	#122 Halo Star	4	
0122.hss070	1200	10:05	2:41:49.7	0:17:17	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	10:25	2:41:49.7	0:17:17	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0124-0133.FLAT	40	10:34	2:41:49.7	0:17:17	600	90	2.0	#122 Halo Star	4	
0134.HZ14	360	10:56	04:38:15.6	10:53:57	300	90	5.0	#56 Spectropho	2	300L, 5arcsec, tilt=610
0135.COMP	5	11:03	04:38:15.6	10:53:57	300	90	5.0	#56 Spectropho	2	
0136.HZ14	360	11:04	04:38:15.6	10:53:57	300	90	5.0	#56 Spectropho	2	
0137.COMP	5	11:10	04:38:15.6	10:53:57	300	90	5.0	#56 Spectropho	2	
0138.G191B2B	240	11:13	05:01:31.5	52:45:52	300	90	5.0	#56 Spectropho	2	
0139.COMP	5	11:17	05:01:31.5	52:45:52	300	90	5.0	#56 Spectropho	2	
0140.G191B2B	240	11:18	05:01:31.5	52:45:52	300	90	5.0	#56 Spectropho	2	
0141.COMP	5	11:22	05:01:31.5	52:45:52	300	90	5.0	#56 Spectropho	2	
0142.Hiltner600	50	11:25	06:42:37.2	02:11:25	300	90	5.0	#56 Spectropho	2	
0143.COMP	5	11:26	06:42:37.2	02:11:25	300	90	5.0	#56 Spectropho	2	
0144.Hiltner600	50	11:26	06:42:37.2	02:11:25	300	90	5.0	#56 Spectropho	2	
0145.COMP	5	11:28	06:42:37.2	02:11:25	300	90	5.0	#56 Spectropho	2	
0146.PG0823p546	480	11:30	08:23:01.0	54:37:58	300	90	5.0	#56 Spectropho	2	
0147.COMP	5	11:38	08:23:01.0	54:37:58	300	90	5.0	#56 Spectropho	2	
0148-0157.FLAT	6	11:42	08:23:01.0	54:37:58	300	90	5.0	#56 Spectropho	2	
0158.Hiltner600	70	11:47	06:42:37.2	02:11:25	300	15	3.0	#56 Spectropho	2	normal setup
0159.COMP	12	11:49	06:42:37.2	02:11:25	300	15	3.0	#56 Spectropho	2	
0160.sn2002he	1200	11:55	08:19:58.8	62:49:13	300	21	3.0	#2 SN Observat	2	
0161.COMP	12	12:15	08:19:58.8	62:49:13	300	21	3.0	#2 SN Observat	2	

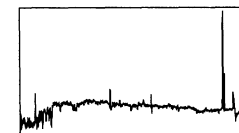
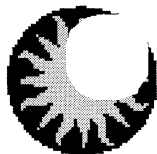
UT Date 2002-11-05 Observers M CalkinsColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0162.vso-19367	360	12:18	05:34:47.9	-5:04:54	300	90	3.0	#112 Orion PMS	2	
0163.COMP	12	12:25	05:34:47.9	-5:04:54	300	90	3.0	#112 Orion PMS	2	
0164.vso-19374	480	12:27	05:34:48.4	-5:05:01	300	90	3.0	#112 Orion PMS	2	get again for counts...
0165.COMP	12	12:35	05:34:48.4	-5:05:01	300	90	3.0	#112 Orion PMS	2	
0166.vso-19374	720	12:36	05:34:48.4	-5:05:01	300	90	3.0	#112 Orion PMS	2	
0167.COMP	12	12:48	05:34:48.4	-5:05:01	300	90	3.0	#112 Orion PMS	2	
0168.WILSON6377	5	12:50	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0169.COMP	12	12:51	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0170.WILSON6377	5	12:52	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0171.COMP	5	12:53	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0172.sky	2	13:28	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0173-0176.sky	3	13:29	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0177.COMP	5	13:30	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0178-0187.BIAS	0	13:32	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0188-0197.FLAT	6	13:34	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0198-0207.BIAS	0	13:45	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0208-0217.FLAT	12	13:53	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0218-0227.DARK	900	16:17	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	

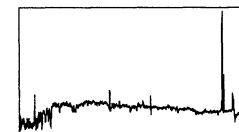
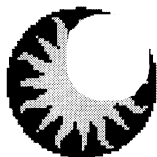


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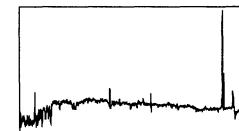
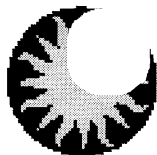
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:15	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	binby4
0002-0005.DARK	900	23:15	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0006.DARK	900	0:04	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	binby2
0007-0010.DARK	900	1:05	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0011.BIAS	0	1:32	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	binby2
0012-0020.BIAS	0	1:34	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0021.BIAS	0	1:35	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	binby4
0022-0030.BIAS	0	1:36	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0031.FLAT	6	1:37	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	binby4
0032-0040.FLAT	6	1:39	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	4	
0041.FLAT	12	1:43	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	binby2
0042-0050.FLAT	12	1:47	09:58:18	+55:50:00	300	90	3.0	#57 Velocity S	2	
0051.BDp284211	75	2:02	21:48:57.1	28:37:48	300	0	3.0	#56 Spectropho	2	binby2
0052.BDp284211	75	2:03	21:48:57.1	28:37:48	300	0	3.0	#56 Spectropho	2	
0053.COMP	12	2:05	21:48:57.1	28:37:48	300	0	3.0	#56 Spectropho	2	
0054.BDp284211	75	2:07	21:48:57.1	28:37:48	300	0	3.0	#56 Spectropho	4	binby4
0055.BDp284211	75	2:08	21:48:57.1	28:37:48	300	0	3.0	#56 Spectropho	4	
0056.COMP	5	2:11	21:48:57.1	28:37:48	300	0	3.0	#56 Spectropho	4	
0057.N7331	210	2:17	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	binby4
0058.COMP	5	2:21	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	

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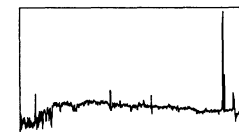
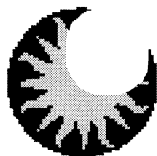
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0059.N7331	210	2:22	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	binby2
0060.COMP	12	2:28	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0061.2MJ21194033m1142104	300	2:41	21:19:40.3	-11:42:10	300	90	3.0	#68 2MASS Reds	4	
0062.COMP	5	2:48	21:19:40.3	-11:42:10	300	90	3.0	#68 2MASS Reds	4	
0063.cairnsx_061	300	2:58	22:17:7.0	13:21:53	300	90	3.0	#64 Cluster In	4	
0064.COMP	5	3:04	22:17:7.0	13:21:53	300	90	3.0	#64 Cluster In	4	
0065.cairnsx_062	180	3:05	22:17:12.3	14:14:21	300	90	3.0	#64 Cluster In	4	
0066.COMP	5	3:09	22:17:12.3	14:14:21	300	90	3.0	#64 Cluster In	4	
0067.cairnsx_063	300	3:10	22:15:52.3	14:50:00	300	90	3.0	#64 Cluster In	4	
0068.COMP	5	3:16	22:15:52.3	14:50:00	300	90	3.0	#64 Cluster In	4	
0069.cairnsx_064	300	3:17	22:16:0.5	13:08:52	300	90	3.0	#64 Cluster In	4	
0070.COMP	5	3:23	22:16:0.5	13:08:52	300	90	3.0	#64 Cluster In	4	
0071.cairnsx_065	480	3:27	22:59:37.5	24:50:52	300	90	3.0	#64 Cluster In	4	
0072.cairnsx_065	480	3:37	22:59:37.5	24:50:52	300	90	3.0	#64 Cluster In	4	
0073.COMP	5	3:46	22:59:37.5	24:50:52	300	90	3.0	#64 Cluster In	4	
0074.cairnsx_066	300	3:47	22:59:33.0	24:55:06	300	90	3.0	#64 Cluster In	4	
0075.COMP	5	3:53	22:59:33.0	24:55:06	300	90	3.0	#64 Cluster In	4	
0076.cairnsx_067	300	3:53	22:58:24.9	26:10:13	300	90	3.0	#64 Cluster In	4	
0077.COMP	5	3:59	22:58:24.9	26:10:13	300	90	3.0	#64 Cluster In	4	
0078.cairnsx_068	300	4:00	22:57:56.6	26:06:40	300	90	3.0	#64 Cluster In	4	

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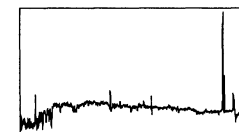
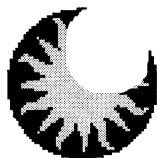
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.COMP	5	4:06	22:57:56.6	26:06:40	300	90	3.0	#64 Cluster In	4	
0080.cairnsx_069	480	4:22	23:00:8.3	26:59:12	300	90	3.0	#64 Cluster In	4	
0081.cairnsx_069	480	4:31	23:00:8.3	26:59:12	300	90	3.0	#64 Cluster In	4	
0082.COMP	5	4:40	23:00:8.3	26:59:12	300	90	3.0	#64 Cluster In	4	
0083.cairnsx_070	360	4:41	22:55:55.2	26:06:31	300	90	3.0	#64 Cluster In	4	
0084.COMP	5	4:48	22:55:55.2	26:06:31	300	90	3.0	#64 Cluster In	4	
0085.cairnsx_057	360	4:50	1:8:34.5	2:49:30	300	90	3.0	#64 Cluster In	4	
0086.cairnsx_057	360	4:57	1:8:34.5	2:49:30	300	90	3.0	#64 Cluster In	4	
0087.COMP	5	26:00	1834.5	24930	300	90	3.0	#64 Cluster In	4	<i>ultraviolet happened</i>
0088.cairnsx_058	480	5:05	1:8:29.7	2:49:48	300	90	3.0	#64 Cluster In	4	
0089.cairnsx_058	480	5:16	1:8:29.7	2:49:48	300	90	3.0	#64 Cluster In	4	
0090.COMP	5	5:27	1:8:29.7	2:49:48	300	90	3.0	#64 Cluster In	4	
0091.cairnsx_059	600	5:28	1:5:49.1	2:8:45	300	90	3.0	#64 Cluster In	4	
0092.cairnsx_059	600	5:38	1:5:49.1	2:8:45	300	90	3.0	#64 Cluster In	4	
0093.COMP	5	5:49	1:5:49.1	2:8:45	300	90	3.0	#64 Cluster In	4	
0094.cairnsx_060	480	5:52	1:6:18.9	1:56:45	300	90	3.0	#64 Cluster In	4	
0095.COMP	5	6:01	1:6:18.9	1:56:45	300	90	3.0	#64 Cluster In	4	
0096.sn2002hj	600	6:15	02:58:09.3	+04:41:03	300	-23	3.0	#2 SN Observat	2	binby2
0097.sn2002hj	600	6:25	02:58:09.3	+04:41:03	300	-23	3.0	#2 SN Observat	2	
0098.COMP	12	6:38	02:58:09.3	+04:41:03	300	-23	3.0	#2 SN Observat	2	

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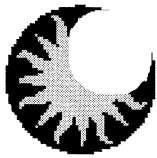
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
✓0099.cairnss_001	240	6:48	1:25:31.4	1:45:33	300	90	3.0	#64 Cluster In	4	FROM FILE 98 ON, ALL FILES OUT OF FOCUS binby4
0100.COMP	5	6:53	1:25:31.4	1:45:33	300	90	3.0	#64 Cluster In	4	
✓0101.cairnss_002_south	180	6:54	1:26:0.5	-1:20:42	300	90	3.0	#64 Cluster In	4	
✓0102.cairnss_002_north	180	6:58	1:26:0.5	-1:20:42	300	90	3.0	#64 Cluster In	4	
0103.COMP	5	7:02	1:26:0.5	-1:20:42	300	90	3.0	#64 Cluster In	4	
✓0104.cairnss_003	180	7:04	1:24:33.7	1:43:53	300	90	3.0	#64 Cluster In	4	
0105.COMP	5	7:07	1:24:33.7	1:43:53	300	90	3.0	#64 Cluster In	4	
✓0106.cairnss_004	180	7:08	1:25:44.3	-1:22:46	300	90	3.0	#64 Cluster In	4	
0107.COMP	5	7:12	1:25:44.3	-1:22:46	300	90	3.0	#64 Cluster In	4	
✓0108.2MJ03521612m0313442	300	7:17	03:52:16.1	-03:13:44	300	90	3.0	#68 2MASS Reds	4	
0109.COMP	5	7:23	03:52:16.1	-03:13:44	300	90	3.0	#68 2MASS Reds	4	
✓0110.2MJ03543216p2636489	360	7:24	03:54:32.1	+26:36:48	300	90	3.0	#68 2MASS Reds	4	
0111.COMP	5	7:31	03:54:32.1	+26:36:48	300	90	3.0	#68 2MASS Reds	4	
✓0112.2MJ04090615p1530500	360	7:32	04:09:06.1	+15:30:50	300	90	3.0	#68 2MASS Reds	4	
0113.COMP	5	7:39	04:09:06.1	+15:30:50	300	90	3.0	#68 2MASS Reds	4	
✓0114.2MJ04175019p1325061	360	7:40	04:17:50.1	+13:25:06	300	90	3.0	#68 2MASS Reds	4	
✓0115.2MJ04175019p1325061	360	7:48	04:17:50.1	+13:25:06	300	90	3.0	#68 2MASS Reds	4	
0116.COMP	5	7:55	04:17:50.1	+13:25:06	300	90	3.0	#68 2MASS Reds	4	
✓0117.2MJ04221279p1441492	360	7:57	04:22:12.7	+14:41:49	300	90	3.0	#68 2MASS Reds	4	
0118.COMP	5	8:05	04:22:12.7	+14:41:49	300	90	3.0	#68 2MASS Reds	4	

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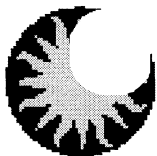
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
✓0119.2MJ04255496p1227059	600	8:15	04:25:54.9	+12:27:05	300	90	3.0	#68 2MASS Reds	4	
0120.COMP	5	8:27	04:25:54.9	+12:27:05	300	90	3.0	#68 2MASS Reds	4	
✓0121.2MJ04270616p1021062	360	8:29	04:27:06.1	+10:21:06	300	90	3.0	#68 2MASS Reds	4	
0122.COMP	5	8:35	04:27:06.1	+10:21:06	300	90	3.0	#68 2MASS Reds	4	
✓0123.2MJ04283423p1102571	360	8:36	04:28:34.2	+11:02:57	300	90	3.0	#68 2MASS Reds	4	
0124.COMP	5	8:43	04:28:34.2	+11:02:57	300	90	3.0	#68 2MASS Reds	4	
✓0125.2MJ04290760p0416175	360	8:45	04:29:07.6	+04:16:17	300	90	3.0	#68 2MASS Reds	4	
0126.COMP	5	8:52	04:29:07.6	+04:16:17	300	90	3.0	#68 2MASS Reds	4	
✓0127.2MJ04295275p0326544	360	8:53	04:29:52.7	+03:26:54	300	90	3.0	#68 2MASS Reds	4	
0128.COMP	5	8:59	04:29:52.7	+03:26:54	300	90	3.0	#68 2MASS Reds	4	
✓0129.2MJ04301052p0304262	360	9:01	04:30:10.5	+03:04:26	300	90	3.0	#68 2MASS Reds	4	
0130.COMP	5	9:07	04:30:10.5	+03:04:26	300	90	3.0	#68 2MASS Reds	4	
✓0131.2MJ04314879p0146001	360	9:08	04:31:48.7	+01:46:00	300	90	3.0	#68 2MASS Reds	4	
0132.COMP	5	9:15	04:31:48.7	+01:46:00	300	90	3.0	#68 2MASS Reds	4	
✓0133.2MJ04320064p0223318	360	9:16	04:32:00.6	+02:23:31	300	90	3.0	#68 2MASS Reds	4	
0134.COMP	5	9:23	04:32:00.6	+02:23:31	300	90	3.0	#68 2MASS Reds	4	
✓0135.2MJ04355166p0248047	600	9:26	04:35:51.6	+02:48:04	300	20	3.0	#68 2MASS Reds	4	
0136.COMP	5	9:37	04:35:51.6	+02:48:04	300	90	3.0	#68 2MASS Reds	4	
✓0137.2MJ04355996p1007087	360	9:39	04:35:59.9	+10:07:08	300	90	3.0	#68 2MASS Reds	4	
✓0138.2MJ04355996p1007087	360	9:48	04:35:59.9	+10:07:08	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0139.COMP	5	9:55	04:35:59.9	+10:07:08	300	90	3.0	#68 2MASS Reds	4	
✓0140.2MJ04362531p0906596	360	9:57	04:36:25.3	+09:06:59	300	90	3.0	#68 2MASS Reds	4	
0141.COMP	5	10:04	04:36:25.3	+09:06:59	300	90	3.0	#68 2MASS Reds	4	
✓0142.2MJ04414902p0510446	360	10:05	04:41:49.0	+05:10:44	300	90	3.0	#68 2MASS Reds	4	
0143.COMP	5	10:12	04:41:49.0	+05:10:44	300	90	3.0	#68 2MASS Reds	4	
✓0144.2MJ04430516p1147425	360	10:14	04:43:05.1	+11:47:42	300	90	3.0	#68 2MASS Reds	4	
✓0145.2MJ04430516p1147425	360	10:20	04:43:05.1	+11:47:42	300	90	3.0	#68 2MASS Reds	4	
0146.COMP	5	10:28	04:43:05.1	+11:47:42	300	90	3.0	#68 2MASS Reds	4	
✓0147.2MJ04464166p0805461	360	10:29	04:46:41.6	+08:05:46	300	90	3.0	#68 2MASS Reds	4	
0148.COMP	5	10:36	04:46:41.6	+08:05:46	300	90	3.0	#68 2MASS Reds	4	
✓0149.2MJ04474017p1137358	600	10:39	04:47:40.1	+11:37:35	300	90	3.0	#68 2MASS Reds	4	
0150.COMP	5	10:52	04:47:40.1	+11:37:35	300	90	3.0	#68 2MASS Reds	4	
0151.sn2002hk	1200	11:09	07:07:14.0	+44:48:46	300	10	3.0	#2 SN Observat	2	binby2
0152.COMP	12	11:33	07:07:14.0	+44:48:46	300	90	3.0	#2 SN Observat	2	
✓0153.vso-19572	900	11:40	05:35:03.3	-4:56:42	300	90	3.0	#112 Orion PMS	4	binby4
0154.COMP	5	11:56	05:35:03.3	-4:56:42	300	90	3.0	#112 Orion PMS	4	
✓0155.vso-19775	900	11:58	05:35:26.5	-4:56:06	300	90	3.0	#112 Orion PMS	4	
0156.COMP	5	12:14	05:35:26.5	-4:56:06	300	90	3.0	#112 Orion PMS	4	

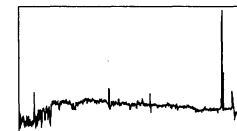
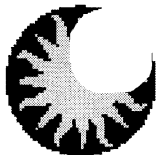
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:08	18:48:00.1	+31:30:05	300	90	3.0	#64 Cluster In	4	
0011-0020.BIAS	0	23:10	18:50:18.3	+31:30:05	300	90	3.0	#64 Cluster In	2	
0021.DARK	900	23:11	19:06:17.3	+31:30:01	300	90	3.0	#64 Cluster In	4	
0022.DARK	900	23:26	19:21:28.3	+31:29:57	300	90	3.0	#64 Cluster In	4	
0023.DARK	900	23:41	19:36:35.3	+31:29:54	300	90	3.0	#64 Cluster In	4	
0024.DARK	900	23:56	19:51:46.2	+31:29:50	300	90	3.0	#64 Cluster In	4	
0025.DARK	900	0:11	20:06:53.8	+31:29:47	300	90	3.0	#64 Cluster In	4	
0026.DARK	900	0:35	20:30:10.5	+31:29:43	300	90	3.0	#64 Cluster In	2	
0027.DARK	900	0:50	20:45:25.8	+31:29:40	300	90	3.0	#64 Cluster In	2	
0028.DARK	900	1:05	21:00:41.4	+31:29:37	300	90	3.0	#64 Cluster In	2	
0029.DARK	900	1:20	21:15:53.8	+31:29:35	300	90	3.0	#64 Cluster In	2	
0030.DARK	900	1:35	21:31:09.5	+31:29:33	300	90	3.0	#64 Cluster In	2	
0031-0040.FLAT	6	1:53	21:34:03.1	+31:29:32	300	90	3.0	#64 Cluster In	4	
0041-0050.FLAT	12	1:58	21:38:49.6	+31:29:32	300	90	3.0	#64 Cluster In	2	
0051.BDp284211	75	2:09	21:48:57.1	28:37:48	300	0	3.0	#56 Spectropho	4	
0052.BDp284211	75	2:10	21:48:57.1	28:37:48	300	0	3.0	#56 Spectropho	4	
0053.COMP	5	2:12	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0054.BDp284211	75	2:13	21:48:57.1	28:37:48	300	0	3.0	#56 Spectropho	2	
0055.BDp284211	75	2:14	21:48:57.1	28:37:48	300	0	3.0	#56 Spectropho	2	
0056.COMP	12	2:16	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.N7331	210	2:19	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0058.COMP	5	2:23	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0059.N7331	210	2:24	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0060.COMP	12	2:28	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0061.id2511	600	2:53	20:04:14.9	35:40:18	300	90	3.0	#115 PMS NGC68	4	
0062.COMP	5	3:04	20:04:14.9	35:40:18	300	90	3.0	#115 PMS NGC68	4	
0063.id1528	600	3:06	20:06:36.9	35:42:17	300	90	3.0	#115 PMS NGC68	4	
0064.COMP	5	3:17	20:06:36.9	35:42:17	300	90	3.0	#115 PMS NGC68	4	
0065.id1366	600	3:19	20:06:57.5	35:45:26	300	90	3.0	#115 PMS NGC68	4	
0066.COMP	5	3:30	20:06:57.5	35:45:26	300	90	3.0	#115 PMS NGC68	4	
0067.id1448	600	3:32	20:06:48.5	35:47:16	300	90	3.0	#115 PMS NGC68	4	
0068.COMP	5	3:43	20:06:48.5	35:47:16	300	90	3.0	#115 PMS NGC68	4	
0069.id1635	600	3:46	20:06:22.0	35:46:44	300	90	3.0	#115 PMS NGC68	4	
0070.COMP	5	3:56	20:06:22.0	35:46:44	300	90	3.0	#115 PMS NGC68	4	
0071.id1156	600	3:59	20:07:20.0	35:35:47	300	90	3.0	#115 PMS NGC68	4	
0072.COMP	5	4:10	20:07:20.0	35:35:47	300	90	3.0	#115 PMS NGC68	4	
0073.cairnss_001	180	4:30	1:25:31.4	1:45:33	300	90	3.0	#64 Cluster In	4	
0074.COMP	5	4:36	1:25:31.4	1:45:33	300	90	3.0	#64 Cluster In	4	
0075.cairnss_002_south	180	4:38	1:26:0.5	-1:20:42	300	90	3.0	#64 Cluster In	4	
0076.cairnss_002_north	180	4:42	1:26:0.5	-1:20:42	300	90	3.0	#64 Cluster In	4	

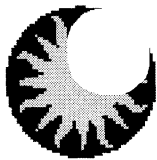


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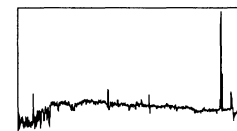
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0077.COMP	5	4:45	1:26:0.5	-1:20:42	300	90	3.0	#64 Cluster In	4	
0078.cairnss_003	240	4:46	1:24:33.7	1:43:53	300	90	3.0	#64 Cluster In	4	
0079.COMP	5	4:50	1:24:33.7	1:43:53	300	90	3.0	#64 Cluster In	4	
0080.cairnss_004	240	4:51	1:25:44.3	-1:22:46	300	90	3.0	#64 Cluster In	4	
0081.COMP	5	4:56	1:25:44.3	-1:22:46	300	90	3.0	#64 Cluster In	4	
0082.cairnss_005	240	4:56	1:31:42.1	-0:55:58	300	90	3.0	#64 Cluster In	4	
0083.COMP	5	5:01	1:31:42.1	-0:55:58	300	90	3.0	#64 Cluster In	4	
0084.cairnss_006	240	5:01	1:27:48.2	-1:52:46	300	90	3.0	#64 Cluster In	4	
0085.COMP	5	5:06	1:27:48.2	-1:52:46	300	90	3.0	#64 Cluster In	4	
0086.cairnss_007	240	5:07	1:12:59.9	-0:15:8	300	90	3.0	#64 Cluster In	4	
0087.COMP	5	5:11	1:12:59.9	-0:15:8	300	90	3.0	#64 Cluster In	4	
0088.cairnss_008	240	5:12	1:24:41.6	-1:35:13	300	90	3.0	#64 Cluster In	4	
0089.COMP	5	5:16	1:24:41.6	-1:35:13	300	90	3.0	#64 Cluster In	4	
0090.cairnss_009	240	5:17	1:27:25.4	-1:54:46	300	90	3.0	#64 Cluster In	4	
0091.COMP	5	5:21	1:27:25.4	-1:54:46	300	90	3.0	#64 Cluster In	4	
0092.cairnss_010	240	5:22	1:14:38.6	-1:1:14	300	90	3.0	#64 Cluster In	4	
0093.COMP	5	5:26	1:14:38.6	-1:1:14	300	90	3.0	#64 Cluster In	4	
0094.cairnss_011	240	5:27	1:12:48.6	-0:17:24	300	90	3.0	#64 Cluster In	4	
0095.COMP	5	5:31	1:12:48.6	-0:17:24	300	90	3.0	#64 Cluster In	4	
0096.cairnss_012	240	5:32	1:28:58.6	-0:56:56	300	90	3.0	#64 Cluster In	4	

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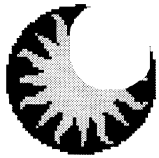
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0097.COMP	5	5:36	1:28:58.6	-0:56:56	300	90	3.0	#64 Cluster In	4	
0098.cairnss_013	240	5:37	1:28:59.5	-0:33:42	300	90	3.0	#64 Cluster In	4	
0099.COMP	5	5:41	1:28:59.5	-0:33:42	300	90	3.0	#64 Cluster In	4	
0100.cairnss_014	240	5:42	1:22:46.9	-1:23:31	300	90	3.0	#64 Cluster In	4	
0101.COMP	5	5:46	1:22:46.9	-1:23:31	300	90	3.0	#64 Cluster In	4	
0102.cairnss_015	240	5:47	1:21:16.6	-0:32:40	300	90	3.0	#64 Cluster In	4	
0103.COMP	5	5:52	1:21:16.6	-0:32:40	300	90	3.0	#64 Cluster In	4	
0104.cairnss_016	240	5:52	1:26:44.8	-3:30:5	300	90	3.0	#64 Cluster In	4	
0105.COMP	5	5:57	1:26:44.8	-3:30:5	300	90	3.0	#64 Cluster In	4	
0106.cairnss_017	240	5:58	1:25:26	-1:33:2	300	90	3.0	#64 Cluster In	4	
0107.COMP	5	6:02	1:25:26	-1:33:2	300	90	3.0	#64 Cluster In	4	
0108.cairnss_018	240	6:03	1:28:10.1	-1:18:21	300	90	3.0	#64 Cluster In	4	
0109.COMP	5	6:07	1:28:10.1	-1:18:21	300	90	3.0	#64 Cluster In	4	
0110.cairnss_019	240	6:08	1:25:4	-4:42:30	300	90	3.0	#64 Cluster In	4	
0111.COMP	5	6:12	1:25:4	-4:42:30	300	90	3.0	#64 Cluster In	4	
0112.cairnss_020	240	6:13	1:22:53.9	-4:38:35	300	90	3.0	#64 Cluster In	4	
0113.COMP	5	6:17	1:22:53.9	-4:38:35	300	90	3.0	#64 Cluster In	4	
0114.2MJ03521612m0313442	360	6:21	03:52:16.1	-03:13:44	300	90	3.0	#68 2MASS Reds	4	
0115.COMP	5	6:32	03:52:16.1	-03:13:44	300	90	3.0	#68 2MASS Reds	4	
0116.2MJ0354322p263649	360	6:38	03:54:32.2	+26:36:49	300	90	3.0	#68 2MASS Reds	4	

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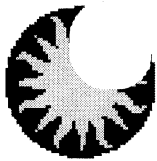
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0117.COMP	5	6:44	03:54:32.2	+26:36:49	300	90	3.0	#68 2MASS Reds	4	
0118.sn2002fk	1200	6:48	03:22:05.7	-15:24:03	300	-10	3.0	#2 SN Observat	4	
0119.COMP	5	7:09	03:22:05.7	-15:24:03	300	90	3.0	#2 SN Observat	4	
0120.2MJ0409061p153050	360	7:15	04:09:06.1	+15:30:50	300	90	3.0	#68 2MASS Reds	4	
0121.COMP	5	7:21	04:09:06.1	+15:30:50	300	90	3.0	#68 2MASS Reds	4	
0122.2MJ0417502p132506	360	7:44	04:17:50.2	+13:25:06	300	90	3.0	#68 2MASS Reds	4	
0123.2MJ0417502p132506	360	7:50	04:17:50.2	+13:25:06	300	90	3.0	#68 2MASS Reds	4	
0124.COMP	5	7:58	04:17:50.2	+13:25:06	300	90	3.0	#68 2MASS Reds	4	
0125.2MJ0422128p144149	360	8:13	04:22:12.8	+14:41:49	300	90	3.0	#68 2MASS Reds	4	
0126.COMP	5	8:20	04:22:12.8	+14:41:49	300	90	3.0	#68 2MASS Reds	4	
0127.2MJ0425550p122706	600	8:21	04:25:55.0	+12:27:06	300	90	3.0	#68 2MASS Reds	4	
0128.COMP	5	8:32	04:25:55.0	+12:27:06	300	90	3.0	#68 2MASS Reds	4	
0129.2MJ0427062p102106	360	8:34	04:27:06.2	+10:21:06	300	90	3.0	#68 2MASS Reds	4	
0130.COMP	5	8:40	04:27:06.2	+10:21:06	300	90	3.0	#68 2MASS Reds	4	
0131.2MJ0428342p110257	360	8:42	04:28:34.2	+11:02:57	300	90	3.0	#68 2MASS Reds	4	
0132.COMP	5	8:48	04:28:34.2	+11:02:57	300	90	3.0	#68 2MASS Reds	4	
0133.2MJ0429076p041617	360	8:49	04:29:07.6	+04:16:17	300	90	3.0	#68 2MASS Reds	4	
0134.COMP	5	8:56	04:29:07.6	+04:16:17	300	90	3.0	#68 2MASS Reds	4	
0135.2MJ0429527p032654	360	8:58	04:29:52.7	+03:26:54	300	90	3.0	#68 2MASS Reds	4	
0136.COMP	5	9:04	04:29:52.7	+03:26:54	300	90	3.0	#68 2MASS Reds	4	

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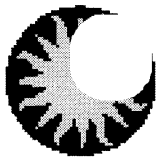
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0137.2MJ0430105p030426	360	9:06	04:30:10.5	+03:04:26	300	90	3.0	#68 2MASS Reds	4	
0138.COMP	5	9:12	04:30:10.5	+03:04:26	300	90	3.0	#68 2MASS Reds	4	
0139.2MJ0431488p014600	360	9:14	04:31:48.8	+01:46:00	300	90	3.0	#68 2MASS Reds	4	
0140.COMP	5	9:21	04:31:48.8	+01:46:00	300	90	3.0	#68 2MASS Reds	4	
0141.2MJ0432006p022332	360	9:22	04:32:00.6	+02:23:32	300	90	3.0	#68 2MASS Reds	4	
0142.COMP	5	9:29	04:32:00.6	+02:23:32	300	90	3.0	#68 2MASS Reds	4	
0143.2MJ0435517p024805	360	9:32	04:35:51.7	+02:48:05	300	20	3.0	#68 2MASS Reds	4	
0144.COMP	5	9:41	04:35:51.7	+02:48:05	300	90	3.0	#68 2MASS Reds	4	
0145.2MJ0436000p100708	360	9:49	04:36:00.0	+10:07:08	300	90	3.0	#68 2MASS Reds	4	
0146.COMP	5	9:56	04:36:00.0	+10:07:08	300	90	3.0	#68 2MASS Reds	4	
0147.2MJ0436253p090700	360	9:58	04:36:25.3	+09:07:00	300	90	3.0	#68 2MASS Reds	4	
0148.COMP	5	10:04	04:36:25.3	+09:07:00	300	90	3.0	#68 2MASS Reds	4	
0149.2MJ0441490p051045	360	10:05	04:41:49.0	+05:10:45	300	90	3.0	#68 2MASS Reds	4	
0150.COMP	5	10:12	04:41:49.0	+05:10:45	300	90	3.0	#68 2MASS Reds	4	
0151.2MJ0443052p114742	360	10:14	04:43:05.2	+11:47:42	300	90	3.0	#68 2MASS Reds	4	
0152.COMP	5	10:20	04:43:05.2	+11:47:42	300	90	3.0	#68 2MASS Reds	4	
0153.2MJ0446417p080546	360	10:21	04:46:41.7	+08:05:46	300	90	3.0	#68 2MASS Reds	4	
0154.COMP	5	10:27	04:46:41.7	+08:05:46	300	90	3.0	#68 2MASS Reds	4	
0155.2MJ0447402p113736	600	10:30	04:47:40.2	+11:37:36	300	0	3.0	#68 2MASS Reds	4	
0156.2MJ0447402p113736	600	10:40	04:47:40.2	+11:37:36	300	0	3.0	#68 2MASS Reds	4	<i>should have been longer</i>

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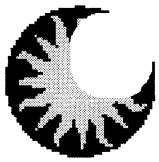
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0157.COMP	5	10:51	04:47:40.2	+11:37:36	300	90	3.0	#68 2MASS Reds	4	
0158.2MJ0447519p112718	360	10:55	04:47:51.9	+11:27:18	300	90	3.0	#68 2MASS Reds	4	<i>weak</i>
0159.COMP	5	11:01	04:47:51.9	+11:27:18	300	90	3.0	#68 2MASS Reds	4	
0160.2MJ0447529p112926	360	11:02	04:47:52.9	+11:29:26	300	90	3.0	#68 2MASS Reds	4	
0161.COMP	5	11:09	04:47:52.9	+11:29:26	300	90	3.0	#68 2MASS Reds	4	
0162.2MJ0447572p114835	360	11:14	04:47:57.2	+11:48:35	300	90	3.0	#68 2MASS Reds	4	
0163.COMP	5	11:20	04:47:57.2	+11:48:35	300	90	3.0	#68 2MASS Reds	4	
0164.2MJ0452388p103219	360	11:21	04:52:38.8	+10:32:19	300	90	3.0	#68 2MASS Reds	4	
0165.COMP	5	11:28	04:52:38.8	+10:32:19	300	90	3.0	#68 2MASS Reds	4	
0166.vso-19572	600	11:30	05:35:03.3	-4:56:42	300	90	3.0	#112 Orion PMS	4	
0167.COMP	5	11:40	05:35:03.3	-4:56:42	300	90	3.0	#112 Orion PMS	4	
0168.vso-19775	600	11:42	05:35:26.5	-4:56:06	300	90	3.0	#112 Orion PMS	4	
0169.COMP	5	11:52	05:35:26.5	-4:56:06	300	90	3.0	#112 Orion PMS	4	
0170.vso-19806	600	11:53	05:35:31.0	-4:57:19	300	90	3.0	#112 Orion PMS	4	
0171.COMP	5	12:04	05:35:31.0	-4:57:19	300	90	3.0	#112 Orion PMS	4	
0172.vso-19809	600	12:05	05:35:31.5	-5:05:01	300	90	3.0	#112 Orion PMS	4	
0173.COMP	5	12:16	05:35:31.5	-5:05:01	300	90	3.0	#112 Orion PMS	4	
0174.vso-19837	600	12:18	05:35:33.7	-4:46:23	300	90	3.0	#112 Orion PMS	4	
0175.COMP	5	12:29	05:35:33.7	-4:46:23	300	90	3.0	#112 Orion PMS	4	
0176.vso-19860	600	12:31	05:35:36.5	-5:04:39	300	90	3.0	#112 Orion PMS	4	

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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>
0177.COMP	5	12:41	05:35:36.5	-5:04:39	300	90	3.0	#112 Orion PMS	4	
0178-0187.FLAT	6	12:47	05:35:39.0	-5:40:59	300	90	3.0	#64 Cluster In	4	
0188-0197.FLAT	12	12:52	05:35:39.0	-5:40:59	300	90	3.0	#64 Cluster In	2	
0198.BIAS	0	12:57	05:35:39.0	-5:40:59	300	90	3.0	#64 Cluster In	2	

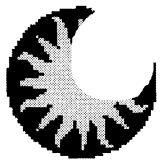
UT Date 2002-11-08 Observers L MacriColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	22:14	05:35:39.0	-5:40:59	300	90	3.0	#64 Cluster In	4	
0011-0020.BIAS	0	22:16	05:35:39.0	-5:40:59	300	90	3.0	#64 Cluster In	2	
0021-0025.DARK	900	23:21	05:35:39.0	-5:40:59	300	90	3.0	#64 Cluster In	4	
0026-0030.DARK	900	0:40	05:35:39.0	-5:40:59	300	90	3.0	#64 Cluster In	2	
0031-0040.FLAT	6	1:17	05:35:39.0	-5:40:59	300	90	3.0	#64 Cluster In	4	
0041-0050.FLAT	12	1:22	05:35:39.0	-5:40:59	300	90	3.0	#64 Cluster In	2	
0051.BDp284211	75	1:27	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0052.COMP	5	1:29	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0053.BDp284211	75	1:30	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0054.COMP	12	1:35	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0055.N7331	210	1:39	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:44	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0057.N7331	210	1:45	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0058.COMP	12	1:49	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0059.sn2002ha	1200	2:01	20:47:18.5	+00:18:45	300	30	3.0	#2 SN Observat	2	
0060.COMP	12	2:22	20:47:18.5	+00:18:45	300	90	3.0	#2 SN Observat	2	
0061.2MJ18104762p1825253	360	2:25	18:10:47.6	+18:25:25	300	90	3.0	#68 2MASS Reds	4	
0062.COMP	5	2:31	18:10:47.6	+18:25:25	300	90	3.0	#68 2MASS Reds	4	
0063.2MJ19313063p5621386	360	2:33	19:31:30.6	+56:21:38	300	90	3.0	#68 2MASS Reds	4	
0064.COMP	5	2:40	19:31:30.6	+56:21:38	300	90	3.0	#68 2MASS Reds	4	

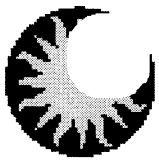
UT Date 2002-11-08 Observers L MacriColl. Focus 980 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0065.2MJ20212052p0319536	360	2:42	20:21:20.5	+03:19:53	300	90	3.0	#68 2MASS Reds	4	
0066.COMP	5	2:48	20:21:20.5	+03:19:53	300	90	3.0	#68 2MASS Reds	4	
0067.2MJ20462812p1058560	360	2:49	20:46:28.1	+10:58:56	300	90	3.0	#68 2MASS Reds	4	
0068.COMP	5	2:56	20:46:28.1	+10:58:56	300	90	3.0	#68 2MASS Reds	4	
0069.id1671	600	3:03	20:06:17.2	35:38:17	300	90	3.0	#115 PMS NGC68	4	
0070.COMP	5	3:14	20:06:17.2	35:38:17	300	90	3.0	#115 PMS NGC68	4	
0071.id1280	600	3:15	20:07:06.2	35:40:52	300	90	3.0	#115 PMS NGC68	4	
0072.COMP	5	3:25	20:07:06.2	35:40:52	300	90	3.0	#115 PMS NGC68	4	
0073.id1227	600	3:26	20:07:13.8	35:50:07	300	90	3.0	#115 PMS NGC68	4	<i>no idea which obj to extract</i>
0074.COMP	5	3:37	20:07:13.8	35:50:07	300	90	3.0	#115 PMS NGC68	4	
0075.id2861	600	3:40	19:58:42.0	35:24:57	300	90	3.0	#115 PMS NGC68	4	
0076.COMP	5	3:51	19:58:42.0	35:24:57	300	90	3.0	#115 PMS NGC68	4	
0077.id1223	600	3:52	20:07:13.8	35:40:16	300	90	3.0	#115 PMS NGC68	4	
0078.COMP	5	4:02	20:07:13.8	35:40:16	300	90	3.0	#115 PMS NGC68	4	
0079.id2153	600	4:05	20:05:20.0	35:55:33	300	90	3.0	#115 PMS NGC68	4	
0080.COMP	5	4:15	20:05:20.0	35:55:33	300	90	3.0	#115 PMS NGC68	4	
0081.id1029	600	4:16	20:07:32.3	35:43:38	300	90	3.0	#115 PMS NGC68	4	
0082.COMP	5	4:26	20:07:32.3	35:43:38	300	90	3.0	#115 PMS NGC68	4	
0083.id1108	600	4:27	20:07:24.3	35:45:02	300	90	3.0	#115 PMS NGC68	4	
0084.COMP	5	4:38	20:07:24.3	35:45:02	300	90	3.0	#115 PMS NGC68	4	

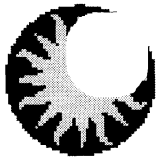


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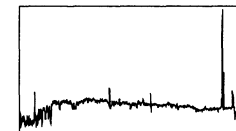
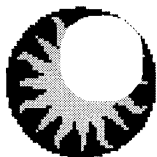
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0085.id2324	600	4:39	20:04:51.7	35:50:18	300	90	3.0	#115 PMS NGC68	4	
0086.COMP	5	4:49	20:04:51.7	35:50:18	300	90	3.0	#115 PMS NGC68	4	
0087.snj021820p372759	1200	9:38	02:18:20.0	+37:27:58	300	90	3.0	#2 SN Observat	2	
0088.COMP	12	9:59	02:18:20.0	+37:27:58	300	90	3.0	#2 SN Observat	2	
0089.2MJ0501283m110619	360	10:02	05:01:28.3	-11:06:19	300	90	3.0	#68 2MASS Reds	4	
0090.COMP	5	10:08	05:01:28.3	-11:06:19	300	90	3.0	#68 2MASS Reds	4	
0091.2MJ0504258m082259	360	10:10	05:04:25.8	-08:22:59	300	90	3.0	#68 2MASS Reds	4	
0092.COMP	5	10:16	05:04:25.8	-08:22:59	300	90	3.0	#68 2MASS Reds	4	
0093.2MJ0504380m012529	360	10:17	05:04:38.0	-01:25:29	300	90	3.0	#68 2MASS Reds	4	
0094.COMP	5	10:24	05:04:38.0	-01:25:29	300	90	3.0	#68 2MASS Reds	4	
0095.2MJ0511048m131731	360	10:26	05:11:04.8	-13:17:31	300	90	3.0	#68 2MASS Reds	4	
0096.COMP	5	10:33	05:11:04.8	-13:17:31	300	90	3.0	#68 2MASS Reds	4	
0097.2MJ0513399m073828	360	10:37	05:13:39.9	-07:38:28	300	90	3.0	#68 2MASS Reds	4	
0098.COMP	5	10:44	05:13:39.9	-07:38:28	300	90	3.0	#68 2MASS Reds	4	
0099.2MJ0513307p011125	360	10:45	05:13:30.7	+01:11:25	300	90	3.0	#68 2MASS Reds	4	
0100.COMP	5	10:52	05:13:30.7	+01:11:25	300	90	3.0	#68 2MASS Reds	4	
0101.2MJ0511440m030107	360	10:54	05:11:44.0	-03:01:07	300	90	3.0	#68 2MASS Reds	4	
0102.COMP	5	11:00	05:11:44.0	-03:01:07	300	90	3.0	#68 2MASS Reds	4	
0103.2MJ0508069p051024	360	11:01	05:08:06.9	+05:10:24	300	90	3.0	#68 2MASS Reds	4	
0104.COMP	5	11:08	05:08:06.9	+05:10:24	300	90	3.0	#68 2MASS Reds	4	

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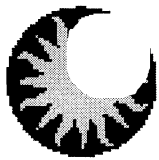
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0105.vso-20712	600	11:11	05:35:39.0	-5:40:59	300	90	3.0	#112 Orion PMS	4	
0106.COMP	5	11:22	05:35:39.0	-5:40:59	300	90	3.0	#112 Orion PMS	4	
0107.vso-19887	600	11:24	05:35:39.6	-4:40:22	300	90	3.0	#112 Orion PMS	4	
0108.COMP	5	11:35	05:35:39.6	-4:40:22	300	90	3.0	#112 Orion PMS	4	
0109.vso-19889	420	11:36	05:35:39.8	-4:44:04	300	90	3.0	#112 Orion PMS	4	
0110.COMP	5	11:43	05:35:39.8	-4:44:04	300	90	3.0	#112 Orion PMS	4	
0111.vso-19898	600	11:48	05:35:40.6	-4:33:26	300	90	3.0	#112 Orion PMS	4	
0112.COMP	5	11:59	05:35:40.6	-4:33:26	300	90	3.0	#112 Orion PMS	4	
0113.vso-19923	600	12:00	05:35:44.5	-4:44:15	300	90	3.0	#112 Orion PMS	4	
0114.COMP	5	12:11	05:35:44.5	-4:44:15	300	90	3.0	#112 Orion PMS	4	
0115.hd23302	1	12:26	03:47:50.6	+24:06:24	300	90	3.0	#68 2MASS Reds	2	
0116.17tauneb	60	12:27	03:47:50.6	+24:06:39	300	90	3.0	#68 2MASS Reds	2	
0117.COMP	12	12:28	03:47:50.6	+24:06:39	300	90	3.0	#68 2MASS Reds	2	
0118.hd23848	1	12:37	03:43:13.2	+32:47:05	300	90	3.0	#68 2MASS Reds	2	
0119.hd23848_2	60	12:39	03:43:13.2	+32:46:05	300	90	3.0	#68 2MASS Reds	2	
0120.COMP	12	12:40	03:43:13.2	+32:46:05	300	90	3.0	#68 2MASS Reds	2	
0121.hd44113	15	12:42	06:19:34.0	-11:03:08	300	90	3.0	#68 2MASS Reds	2	
0122.hd44179	5	12:43	06:19:56.0	-10:38:14	300	90	3.0	#68 2MASS Reds	2	
0123.hd44179neb1	60	12:45	06:19:58.0	-10:38:09	300	90	3.0	#68 2MASS Reds	2	
0124.hd44179neb2	120	12:46	06:19:58.0	-10:38:05	300	90	3.0	#68 2MASS Reds	2	

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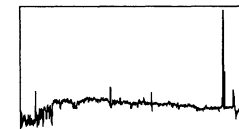
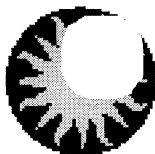
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0125.hd44113	15	12:49	06:19:34.0	-11:03:08	300	90	3.0	#68 2MASS Reds	2	
0126.COMP	12	12:50	06:19:34.0	-11:03:08	300	90	3.0	#68 2MASS Reds	2	
0127-0136.FLAT	12	12:56	06:19:34.0	-11:03:08	300	90	3.0	#64 Cluster In	2	
0137-0146.FLAT	6	12:59	06:19:34.0	-11:03:08	300	90	3.0	#64 Cluster In	4	
0147.BIAS	0	13:01	06:19:34.0	-11:03:08	300	90	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	1:10	21:13:29.3	+31:29:35	300	90	3.0	#64 Cluster In	4	
0002.DARK	900	1:25	21:28:41.0	+31:29:33	300	90	3.0	#64 Cluster In	4	
0003.DARK	900	1:40	21:43:56.3	+31:29:31	300	90	3.0	#64 Cluster In	4	
0004.DARK	900	1:55	21:59:08.0	+31:29:29	300	90	3.0	#64 Cluster In	4	
0005.DARK	900	2:11	22:14:19.8	+31:29:27	300	90	3.0	#64 Cluster In	4	
0006.BIAS	0	2:37	22:25:45.3	+31:29:26	300	90	3.0	#64 Cluster In	4	cloudy
0007-0015.BIAS	0	2:38	22:26:50.5	+31:29:26	300	90	3.0	#64 Cluster In	4	
0016-0025.FLAT	8	2:41	22:30:18.7	+31:29:26	300	90	3.0	#64 Cluster In	4	
0026-0035.BIAS	0	2:44	22:32:33.0	+31:29:26	300	90	3.0	#64 Cluster In	2	
0036-0041.FLAT	16	2:47	22:36:06.2	+31:29:26	300	90	3.0	#64 Cluster In	2	
0042.FLAT	16	2:48	22:36:41.3	+31:29:29	300	90	3.0	#64 Cluster In	2	
0043.FLAT	16	2:48	22:37:25.5	+31:30:45	300	90	3.0	#64 Cluster In	2	
0044.FLAT	16	2:49	22:38:05.9	+31:31:54	300	90	3.0	#64 Cluster In	2	
0045.FLAT	16	2:49	22:38:41.3	+31:32:03	300	90	3.0	#64 Cluster In	2	
0046.BDp284211	120	2:55	21:48:57.1	28:37:48	300	73	3.0	#56 Spectropho	2	sucker hole
0047.BDp284211	120	2:57	21:48:57.1	28:37:48	300	73	3.0	#56 Spectropho	2	
0048.COMP	10	2:59	21:48:57.1	28:37:48	300	73	3.0	#56 Spectropho	2	
0049.Akn564	300	3:00	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0050.Akn564	300	3:05	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0051.COMP	10	3:11	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	

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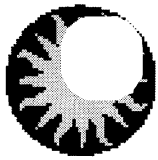
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.N7469	120	3:13	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	2	
0053.N7469	120	3:15	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	2	
0054.COMP	10	3:18	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	2	
0055.ZAnd	5	3:21	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0056.ZAnd	5	3:21	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0057.ZAnd	15	3:22	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0058.ZAnd	60	3:22	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0059.COMP	5	3:24	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0060.cairnsk_013	420	5:00	0:53:5.6	-3:38:45	300	90	3.0	#12 Symbiotic	4	clearing
0061.COMP	5	5:08	0:53:5.6	-3:38:45	300	90	3.0	#12 Symbiotic	4	
0062.cairnsk_011	720	5:09	0:53:14.4	-3:37:21	300	90	3.0	#12 Symbiotic	4	
0063.COMP	5	5:18	0:53:14.4	-3:37:21	300	90	3.0	#12 Symbiotic	4	
0064.cairnsk_012.north	600	5:18	1:3:1.8	-2:33:16	300	90	3.0	#12 Symbiotic	4	north-west gal
0065.cairnsk_012.south	600	5:29	1:3:1.8	-2:33:16	300	90	3.0	#12 Symbiotic	4	south-east gal
0066.COMP	5	5:39	1:3:1.8	-2:33:16	300	90	3.0	#12 Symbiotic	4	
0067.cairnsk_008	900	5:40	1:14:37.8	1:10:48	300	90	3.0	#12 Symbiotic	4	
0068.COMP	5	5:56	1:14:37.8	1:10:48	300	90	3.0	#12 Symbiotic	4	
0069.cairnsk_015	480	5:57	0:53:59.1	-1:16:5	300	90	3.0	#12 Symbiotic	4	
0070.COMP	5	6:05	0:53:59.1	-1:16:5	300	90	3.0	#12 Symbiotic	4	
0071.cairnsk_014	900	6:06	1:8:9.4	1:43:51	300	90	3.0	#12 Symbiotic	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.COMP	5	6:21	1:8:9.4	1:43:51	300	90	3.0	#12 Symbiotic	4	
0073.cairnsk_016	720	6:22	1:23:25	1:26:0	300	90	3.0	#12 Symbiotic	4	superposed star
0074.COMP	5	6:35	1:23:25	1:26:0	300	90	3.0	#12 Symbiotic	4	
0075.cairnsk_017	900	6:36	1:1:16.8	-2:57:51	300	90	3.0	#12 Symbiotic	4	
0076.COMP	5	6:51	1:1:16.8	-2:57:51	300	90	3.0	#12 Symbiotic	4	
0077.MRK335	180	6:52	00:06:19.6	+20:12:11	300	65	3.0	#6 AGN Monitor	4	hi Susan!
0078.MRK335	180	6:55	00:06:19.6	+20:12:11	300	65	3.0	#6 AGN Monitor	4	
0079.COMP	5	6:59	00:06:19.6	+20:12:11	300	65	3.0	#6 AGN Monitor	4	
0080.0o2589	5	7:01	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	4	
0081.0o2589	5	7:02	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	4	
0082.0o2589	5	7:02	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	4	
0083.COMP	5	7:02	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	4	
0084.cairnsk_025	240	7:04	1:34:55.5	-2:48:36	300	90	3.0	#83 H+Chi Per	4	
0085.COMP	5	7:09	1:34:55.5	-2:48:36	300	90	3.0	#83 H+Chi Per	4	
0086.cairnsk_026	240	7:09	1:30:6.3	-2:39:23	300	90	3.0	#83 H+Chi Per	4	
0087.COMP	5	7:14	1:30:6.3	-2:39:23	300	90	3.0	#83 H+Chi Per	4	
0088.cairnsk_027	300	7:14	1:38:13.9	-2:34:32	300	90	3.0	#83 H+Chi Per	4	
0089.COMP	5	7:20	1:38:13.9	-2:34:32	300	90	3.0	#83 H+Chi Per	4	
0090.cairnsk_028	240	7:20	1:27:14.9	-3:18:9	300	90	3.0	#83 H+Chi Per	4	
0091.COMP	5	7:25	1:27:14.9	-3:18:9	300	90	3.0	#83 H+Chi Per	4	

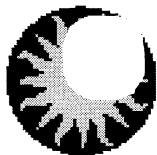
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0092.cairnsk_029	240	7:25	1:35:17.8	-3:56:5	300	90	3.0	#83 H+Chi Per	4	
0093.COMP	5	7:30	1:35:17.8	-3:56:5	300	90	3.0	#83 H+Chi Per	4	
0094.cairnsk_030	240	7:30	1:39:36.6	-3:14:52	300	90	3.0	#83 H+Chi Per	4	
0095.COMP	5	7:35	1:39:36.6	-3:14:52	300	90	3.0	#83 H+Chi Per	4	
0096.cairnsk_031	270	7:35	1:31:24.8	-3:55:57	300	90	3.0	#83 H+Chi Per	4	
0097.COMP	5	7:40	1:31:24.8	-3:55:57	300	90	3.0	#83 H+Chi Per	4	
0098.cairnsk_032	330	7:41	1:33:39.4	-2:16:38	300	90	3.0	#83 H+Chi Per	4	
0099.COMP	5	7:47	1:33:39.4	-2:16:38	300	90	3.0	#83 H+Chi Per	4	
0100.cairnsk_033	720	7:47	1:24:20	-3:51:2	300	90	3.0	#83 H+Chi Per	4	
0101.COMP	5	8:00	1:24:20	-3:51:2	300	90	3.0	#83 H+Chi Per	4	
0102.cairnsk_034	900	8:01	1:34:34.7	-3:20:35	300	90	3.0	#83 H+Chi Per	4	
0103.COMP	5	8:16	1:34:34.7	-3:20:35	300	90	3.0	#83 H+Chi Per	4	
0104.cairnsk_052	240	8:18	4:29:27.2	-11:16:7	300	90	3.0	#83 H+Chi Per	4	
0105.COMP	5	8:22	4:29:27.2	-11:16:7	300	90	3.0	#83 H+Chi Per	4	
0106.cairnsk_053	300	8:23	4:26:54.7	-11:59:8	300	90	3.0	#83 H+Chi Per	4	
0107.COMP	5	8:28	4:26:54.7	-11:59:8	300	90	3.0	#83 H+Chi Per	4	
0108.cairnsk_056	480	8:29	4:39:13.6	-14:46:35	300	90	3.0	#83 H+Chi Per	4	
0109.COMP	5	8:37	4:39:13.6	-14:46:35	300	90	3.0	#83 H+Chi Per	4	
0110.cairnsk_057	1200	8:38	4:36:20.4	-13:54:32	300	90	3.0	#83 H+Chi Per	4	
0111.COMP	5	9:02	4:36:20.4	-13:54:32	300	90	3.0	#83 H+Chi Per	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0112.cairnsk_054	480	9:02	4:34:6.9	-13:56:12	300	90	3.0	#83 H+Chi Per	4	
0113.COMP	5	9:11	4:34:6.9	-13:56:12	300	90	3.0	#83 H+Chi Per	4	
0114.cairnsk_055	900	9:11	4:34:30.6	-14:6:25	300	90	3.0	#83 H+Chi Per	4	
0115.COMP	5	9:27	4:34:30.6	-14:6:25	300	90	3.0	#83 H+Chi Per	4	
0116.cairnsk_058	300	9:27	4:29:54.1	-13:18:39	300	90	3.0	#83 H+Chi Per	4	
0117.COMP	5	9:32	4:29:54.1	-13:18:39	300	90	3.0	#83 H+Chi Per	4	
0118.cairnsk_059	420	9:33	4:27:1.4	-12:3:34	300	90	3.0	#83 H+Chi Per	4	
0119.COMP	5	9:40	4:27:1.4	-12:3:34	300	90	3.0	#83 H+Chi Per	4	
0120.cairnsk_060	420	9:41	4:32:10	-10:38:37	300	90	3.0	#83 H+Chi Per	4	
0121.COMP	5	9:48	4:32:10	-10:38:37	300	90	3.0	#83 H+Chi Per	4	
0122.cairnsk_061	480	9:49	4:41:4	-11:52:56	300	90	3.0	#83 H+Chi Per	4	
0123.COMP	5	9:57	4:41:4	-11:52:56	300	90	3.0	#83 H+Chi Per	4	
0124.cairnsk_062	420	9:58	4:23:42.2	-11:51:37	300	90	3.0	#83 H+Chi Per	4	
0125.COMP	5	10:05	4:23:42.2	-11:51:37	300	90	3.0	#83 H+Chi Per	4	
0126.Akn120	330	10:09	05:13:38.0	-00:12:15	300	18	3.0	#6 AGN Monitor	4	
0127.COMP	5	10:14	05:13:38.0	-00:12:15	300	18	3.0	#6 AGN Monitor	4	
0128.BGGem	1200	10:18	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0129.BGGem	360	10:38	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0130.COMP	10	10:44	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0131.Hiltner600	60	10:47	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	

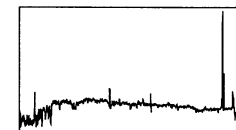


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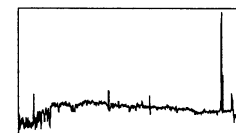
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0132.Hiltner600	60	10:48	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0133.Hiltner600	60	10:49	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0134.COMP	10	10:51	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0135.XS00838B3_003	60	10:53	08:28:15.2	29:11:34	300	90	3.0	#129 CHAMP Sou	2	
0136.COMP	10	10:55	08:28:15.2	29:11:34	300	90	3.0	#129 CHAMP Sou	2	
0137.XS00377B6_001	720	10:57	07:41:18.8	31:14:34	300	90	3.0	#129 CHAMP Sou	2	
0138.COMP	10	11:09	07:41:18.8	31:14:34	300	90	3.0	#129 CHAMP Sou	2	
0139.XS01643B7_005	1200	11:11	08:31:39.1	52:42:5	300	90	3.0	#129 CHAMP Sou	2	
0140.COMP	10	11:31	08:31:39.1	52:42:5	300	90	3.0	#129 CHAMP Sou	2	
0141.XS01643B3_005	300	11:32	08:32:28.1	52:36:21	300	90	3.0	#129 CHAMP Sou	2	
0142.COMP	10	11:37	08:32:28.1	52:36:21	300	90	3.0	#129 CHAMP Sou	2	
0143.sn2002hv	1200	11:41	09:22:10.9	+33:50:10	300	90	3.0	#2 SN Observat	2	
0144.COMP	10	12:01	09:22:10.9	+33:50:10	300	90	3.0	#2 SN Observat	2	
0145.sn2002hd	1200	12:05	08:54:03.3	-07:11:21	300	-15	3.0	#2 SN Observat	2	
0146.COMP	10	12:25	08:54:03.3	-07:11:21	300	-15	3.0	#2 SN Observat	2	
0147.sn2002hd	600	12:30	09:25:12.9	+52:17:10	300	35	3.0	#2 SN Observat	2	
0148.COMP	10	12:40	09:25:12.9	+52:17:10	300	35	3.0	#2 SN Observat	2	
0149.N3227	150	12:42	10:23:30.6	+19:51:54	300	100	3.0	#6 AGN Monitor	2	
0150.N3227	150	12:45	10:23:30.6	+19:51:54	300	100	3.0	#6 AGN Monitor	2	
0151.COMP	10	12:48	10:23:30.6	+19:51:54	300	100	3.0	#6 AGN Monitor	2	

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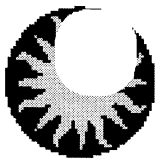
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0152.HD52971	5	12:49	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0153.HD52971	5	12:49	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0154.HD52971	5	12:50	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0155.COMP	5	12:50	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0156-0165.BIAS	0	12:53	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0166-0175.FLAT	8	12:56	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0176-0185.BIAS	0	12:59	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0186-0195.FLAT	16	13:04	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0196-0205.DARK	1200	16:07	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	

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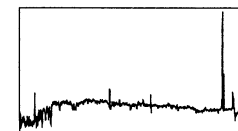
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	0:02	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0008-0017.BIAS	0	0:20	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0018-0027.FLAT	8	0:23	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0028-0037.BIAS	0	0:25	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0038-0047.FLAT	16	0:31	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0048-0052.sky	3	0:44	20:30:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0053.COMP	5	0:44	20:30:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0054.moon.bright.blue	2	1:17	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	2	tilt=575, 1.1 sec slit
0055.moon.bright.blue	1	1:17	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0056.moon.bright.blue	1	1:18	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0057.moon.bright.blue	1	1:19	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0058.moon.bright.blue	2	1:19	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0059.moon.bright.blue	1	1:20	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0060.moon.term.blue	5	1:21	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0061.moon.term.blue	5	1:22	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0062.moon.dark.blue	5	1:23	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0063.moon.dark.blue	5	1:24	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0064.moon.dark.blue	10	1:25	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0065.moon.dark.blue	10	1:26	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0066.moon.dark.blue	100	1:27	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	

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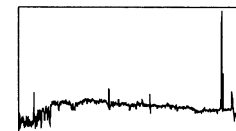
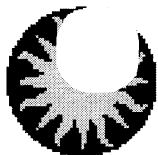
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.moon.dark.blue	100	1:30	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0068.COMP	30	1:36	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0069.HD186427	10	1:39	19:41:53	50:31:11	300	90	1.1	#130 Solar Sys	1	
0070.HD186427	10	1:39	19:41:53	50:31:11	300	90	1.1	#130 Solar Sys	1	
0071.HD186427	10	1:40	19:41:53	50:31:11	300	90	1.1	#130 Solar Sys	1	
0072.COMP	30	1:41	19:41:53	50:31:11	300	90	1.1	#130 Solar Sys	1	
0073.BDp284211	100	1:43	21:48:57.1	28:37:48	300	90	1.1	#130 Solar Sys	1	
0074.BDp284211	300	1:45	21:48:57.1	28:37:48	300	90	1.1	#130 Solar Sys	1	
0075.COMP	30	1:51	21:48:57.1	28:37:48	300	90	1.1	#130 Solar Sys	1	
0076-0085.FLAT	120	2:14	21:48:57.1	28:37:48	300	90	1.1	#130 Solar Sys	1	
0086.moon.bright.red	1	2:19	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	tilt=875, 1.1 sec slit
0087.moon.bright.red	1	2:20	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0088.moon.bright.red	1	2:21	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0089.moon.term.red	5	2:21	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0090.moon.term.red	5	2:22	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0091.moon.dark.red	10	2:23	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0092.moon.dark.red	60	2:23	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0093.moon.dark.sky.red	180	2:31	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0094.moon.dark.sky.red	180	2:35	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0095.moon.sky.red	300	2:38	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	

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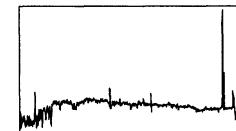
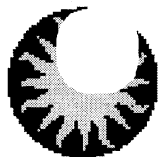
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.moon.sky.red	300	2:44	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0097.COMP	20	2:50	19:53:52.6	-25:32:23	300	90	1.1	#130 Solar Sys	1	
0098.HD186427	10	2:52	19:41:53	50:31:11	300	90	1.1	#130 Solar Sys	1	
0099.HD186427	10	2:53	19:41:53	50:31:11	300	90	1.1	#130 Solar Sys	1	
0100.HD186427	10	2:54	19:41:53	50:31:11	300	90	1.1	#130 Solar Sys	1	
0101.COMP	20	2:55	19:41:53	50:31:11	300	90	1.1	#130 Solar Sys	1	
0102.BDp284211	300	2:56	21:48:57.1	28:37:48	300	90	1.1	#130 Solar Sys	1	
0103.COMP	20	3:02	21:48:57.1	28:37:48	300	90	1.1	#130 Solar Sys	1	
0104-0113.FLAT	120	3:25	21:48:57.1	28:37:48	300	90	1.1	#130 Solar Sys	1	
0114.BDp284211	60	3:31	21:48:57.1	28:37:48	600	77	5.0	#56 Spectropho	2	600-line, tilt 452, 5-sec slit
0115.BDp284211	60	3:32	21:48:57.1	28:37:48	600	77	5.0	#56 Spectropho	2	
0116.BDp284211	60	3:34	21:48:57.1	28:37:48	600	77	5.0	#56 Spectropho	2	
0117.BDp284211	60	3:35	21:48:57.1	28:37:48	600	77	5.0	#56 Spectropho	2	
0118.BDp284211	60	3:36	21:48:57.1	28:37:48	600	77	5.0	#56 Spectropho	2	
0119.COMP	10	3:37	21:48:57.1	28:37:48	600	77	5.0	#56 Spectropho	2	
0120.Feige110	120	3:40	23:17:23.5	-05:26:22	600	7	5.0	#56 Spectropho	2	
0121.Feige110	120	3:42	23:17:23.5	-05:26:22	600	7	5.0	#56 Spectropho	2	
0122.Feige110	120	3:45	23:17:23.5	-05:26:22	600	7	5.0	#56 Spectropho	2	
0123.COMP	10	3:47	23:17:23.5	-05:26:22	600	7	5.0	#56 Spectropho	2	
0124-0133.FLAT	22	3:55	23:17:23.5	-05:26:22	600	7	5.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0134.BDp284211	90	4:00	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	300-line, 3-sec, combo
0135.BDp284211	90	4:02	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0136.BDp284211	90	4:03	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0137.COMP	10	4:05	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0138.cairnsk_018	720	4:07	1:1:24.3	-3:8:40	300	90	3.0	#56 Spectropho	4	
0139.COMP	5	4:20	1:1:24.3	-3:8:40	300	90	3.0	#56 Spectropho	4	
0140.cairnsk_019	600	4:21	1:5:43.9	-1:51:37	300	90	3.0	#56 Spectropho	4	
0141.COMP	5	4:33	1:5:43.9	-1:51:37	300	90	3.0	#56 Spectropho	4	
0142.cairnsk_020	900	4:34	0:47:12.6	-1:59:31	300	90	3.0	#56 Spectropho	2	ignore fainter star that is east of gal
0143.COMP	10	4:50	0:47:12.6	-1:59:31	300	90	3.0	#56 Spectropho	2	
0144.cairnsk_021	720	4:51	1:8:32.9	1:8:59	300	90	3.0	#56 Spectropho	2	
0145.COMP	10	5:11	1:8:32.9	1:8:59	300	90	3.0	#56 Spectropho	2	
0146.cairnsk_022	540	5:11	1:19:3.1	-1:14:1	300	90	3.0	#56 Spectropho	4	
0147.COMP	5	5:21	1:19:3.1	-1:14:1	300	90	3.0	#56 Spectropho	4	
0148.cairnsk_023	1200	5:21	1:13:4.1	0:8:18	300	90	3.0	#56 Spectropho	4	
0149.COMP	5	5:42	1:13:4.1	0:8:18	300	90	3.0	#56 Spectropho	4	
0150.cairnsk_024	1200	5:43	1:9:30.1	-1:39:5	300	90	3.0	#56 Spectropho	4	
0151.COMP	5	6:03	1:9:30.1	-1:39:5	300	90	3.0	#56 Spectropho	4	
0152.cairnsk_035	720	6:04	1:34:53.7	-0:39:53	300	90	3.0	#56 Spectropho	4	
0153.COMP	5	6:17	1:34:53.7	-0:39:53	300	90	3.0	#56 Spectropho	4	

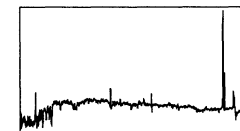
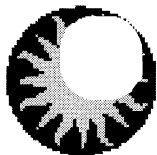
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0154.cairnsk_036	900	6:17	1:34:51.8	-3:7:57	300	90	3.0	#56 Spectropho	4	
0155.COMP	5	6:33	1:34:51.8	-3:7:57	300	90	3.0	#56 Spectropho	4	
0156.sn2002hu	1200	6:59	02:18:20.0	+37:27:58	300	0	3.0	#2 SN Observat	2	
0157.sn2002hu	720	7:19	02:18:20.0	+37:27:58	300	0	3.0	#2 SN Observat	2	
0158.COMP	10	7:32	02:18:20.0	+37:27:58	300	0	3.0	#2 SN Observat	2	
0159.sn2002fk	600	8:05	4:24:4.3	-13:48:19	300	90	3.0	#2 SN Observat	2	where is SN ??
0160.COMP	5	8:16	4:24:4.3	-13:48:19	300	90	3.0	#2 SN Observat	2	
0161.cairnsk_075	600	8:17	4:28:46.9	-12:9:39	300	90	3.0	#2 SN Observat	2	
0162.COMP	10	8:27	4:28:46.9	-12:9:39	300	90	3.0	#2 SN Observat	2	
0163.cairnsk_074	600	8:28	4:38:0.9	-14:35:38	300	90	3.0	#2 SN Observat	4	
0164.COMP	5	8:38	4:38:0.9	-14:35:38	300	90	3.0	#2 SN Observat	4	
0165.cairnsk_073	720	8:39	4:36:17.4	-15:53:24	300	90	3.0	#2 SN Observat	4	
0166.COMP	5	8:51	4:36:17.4	-15:53:24	300	90	3.0	#2 SN Observat	4	
0167.cairnsk_071	540	8:52	4:40:6.1	-14:5:59	300	90	3.0	#2 SN Observat	4	
0168.COMP	5	9:01	4:40:6.1	-14:5:59	300	90	3.0	#2 SN Observat	4	
0169.cairnsk_072	360	9:02	4:32:51.2	-10:25:42	300	90	3.0	#2 SN Observat	4	
0170.COMP	5	9:09	4:32:51.2	-10:25:42	300	90	3.0	#2 SN Observat	4	
0171.cairnsk_077	390	9:10	4:28:21.1	-12:53:28	300	90	3.0	#2 SN Observat	4	
0172.COMP	5	9:17	4:28:21.1	-12:53:28	300	90	3.0	#2 SN Observat	4	
0173.cairnsk_078	900	9:17	4:43:8	-13:58:35	300	90	3.0	#2 SN Observat	4	redo in better sky

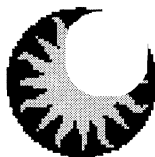
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0174.COMP	5	9:33	4:43:8	-13:58:35	300	90	3.0	#2 SN Observat	4	
0175.cairnsk_087	1200	9:35	4:42:26.7	-13:57:32	300	90	3.0	#2 SN Observat	4	
0176.COMP	5	9:56	4:42:26.7	-13:57:32	300	90	3.0	#2 SN Observat	4	
0177.XS02130B7_020	90	11:08	08:40:44.6	13:7:14	300	90	3.0	#129 CHAMP Sou	4	
0178.COMP	5	11:10	08:40:44.6	13:7:14	300	90	3.0	#129 CHAMP Sou	4	
0179.XS02130B7_013.west	600	11:12	08:40:39.1	13:9:17	300	0	3.0	#129 CHAMP Sou	4	
0180.XS02130B7_013.east	900	11:23	08:40:39.1	13:9:17	300	0	3.0	#129 CHAMP Sou	4	
0181.COMP	5	11:38	08:40:39.1	13:9:17	300	0	3.0	#129 CHAMP Sou	4	
0182.XS01643B2_003	1200	11:43	08:32:37.1	52:46:13	300	90	3.0	#129 CHAMP Sou	4	more mtn fog
0183.COMP	5	12:03	08:32:37.1	52:46:13	300	90	3.0	#129 CHAMP Sou	4	
0184-0193.BIAS	0	12:12	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	4	
0194-0203.FLAT	8	12:15	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	4	
0204-0213.BIAS	0	12:18	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	2	
0214-0223.FLAT	16	12:23	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	2	
0224-0233.DARK	1200	15:27	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	2	

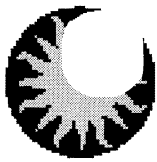


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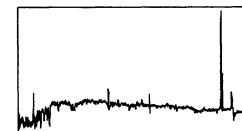
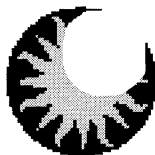
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	0:09	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	4	
0011-0020.BIAS	0	0:25	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	4	
0021-0030.FLAT	8	0:29	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	4	
0031-0040.BIAS	0	0:31	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	2	
0041-0050.FLAT	16	0:37	11:04:27.4	+38:12:32	300	90	3.0	#129 CHAMP Sou	2	
0051.sky	3	0:39	20:38:00	32:00:00	300	90	3.0	#57 Velocity S	4	a few local clouds
0052-0055.sky	3	0:40	20:38:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	0:41	20:38:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.N7331	180	1:14	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0058.COMP	5	1:18	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0059.BDp284211	90	1:19	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0060.BDp284211	90	1:21	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0061.COMP	10	1:23	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0062.id2324	900	1:25	20:04:51.7	35:50:18	300	90	3.0	#115 PMS NGC68	4	
0063.COMP	5	1:40	20:04:51.7	35:50:18	300	90	3.0	#115 PMS NGC68	4	
0064.id2733	720	1:41	19:59:27.4	35:15:51	300	90	3.0	#115 PMS NGC68	4	
0065.COMP	5	1:53	19:59:27.4	35:15:51	300	90	3.0	#115 PMS NGC68	4	
0066.2MJ2012242p191729	900	1:56	20:12:24.2	+19:17:29	300	90	3.0	#68 2MASS Reds	4	
0067.COMP	5	2:11	20:12:24.2	+19:17:29	300	90	3.0	#68 2MASS Reds	4	
0068.2MJ2016152p193411	900	2:12	20:16:15.2	+19:34:11	300	90	3.0	#68 2MASS Reds	4	

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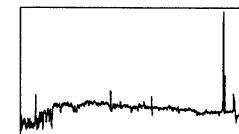
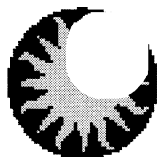
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.COMP	5	2:28	20:16:15.2	+19:34:11	300	90	3.0	#68 2MASS Reds	4	
0070.2MJ2025425p660325	720	2:30	20:25:42.5	+66:03:25	300	90	3.0	#68 2MASS Reds	4	
0071.COMP	5	2:43	20:25:42.5	+66:03:25	300	90	3.0	#68 2MASS Reds	4	
0072.2MJ2026511p572328	300	2:44	20:26:51.1	+57:23:28	300	90	3.0	#68 2MASS Reds	4	
0073.COMP	5	2:49	20:26:51.1	+57:23:28	300	90	3.0	#68 2MASS Reds	4	
0074.2MJ2039419p593550	720	2:53	20:39:41.9	+59:35:50	300	90	3.0	#68 2MASS Reds	4	
0075.COMP	5	3:05	20:39:41.9	+59:35:50	300	90	3.0	#68 2MASS Reds	4	
0076.2MJ2040135p505917	900	3:07	20:40:13.5	+50:59:17	300	90	3.0	#68 2MASS Reds	4	very poor seeing
0077.COMP	5	3:23	20:40:13.5	+50:59:17	300	90	3.0	#68 2MASS Reds	4	
0078.2MJ2040305p505426	1200	3:24	20:40:30.5	+50:54:26	300	90	3.0	#68 2MASS Reds	4	get again
0079.COMP	5	3:45	20:40:30.5	+50:54:26	300	90	3.0	#68 2MASS Reds	4	
0080.2MJ2133525p415106	1200	3:46	21:33:52.5	+41:51:06	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	4:07	21:33:52.5	+41:51:06	300	90	3.0	#68 2MASS Reds	4	
0082.2MJ2138336p440933	300	4:08	21:38:33.6	+44:09:33	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	4:13	21:38:33.6	+44:09:33	300	90	3.0	#68 2MASS Reds	4	
0084.2MJ2138408p441544	720	4:14	21:38:40.8	+44:15:44	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	4:27	21:38:40.8	+44:15:44	300	90	3.0	#68 2MASS Reds	4	
0086.sn2002hw	1200	4:29	00:06:49.0	+08:37:48	300	15	3.0	#2 SN Observat	2	
0087.COMP	10	4:50	00:06:49.0	+08:37:48	300	15	3.0	#2 SN Observat	2	
0088.cairnsk_037	240	4:55	1:27:7.5	2:15:48	300	90	3.0	#2 SN Observat	4	

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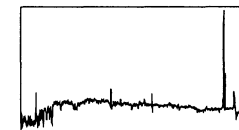
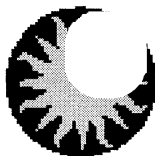
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.COMP	5	5:00	1:27:7.5	2:15:48	300	90	3.0	#2 SN Observat	4	
0090.cairnsk_038	600	5:01	1:36:59.3	-0:31:53	300	90	3.0	#2 SN Observat	4	
0091.COMP	5	5:11	1:36:59.3	-0:31:53	300	90	3.0	#2 SN Observat	4	
0092.cairnsk_039	900	5:12	1:26:8.3	-3:33:4	300	90	3.0	#2 SN Observat	4	
0093.COMP	5	5:27	1:26:8.3	-3:33:4	300	90	3.0	#2 SN Observat	4	
0094.cairnsk_040	420	5:28	1:9:54.7	-2:49:30	300	90	3.0	#2 SN Observat	4	
0095.COMP	5	5:36	1:9:54.7	-2:49:30	300	90	3.0	#2 SN Observat	4	
0096.cairnsk_041	330	5:36	1:37:19.4	-3:27:51	300	90	3.0	#2 SN Observat	4	
0097.COMP	5	5:42	1:37:19.4	-3:27:51	300	90	3.0	#2 SN Observat	4	
0098.cairnsk_042	240	5:43	1:40:49.3	-3:20:7	300	90	3.0	#2 SN Observat	4	
0099.COMP	5	5:48	1:40:49.3	-3:20:7	300	90	3.0	#2 SN Observat	4	
0100.cairnsk_043	420	5:49	1:30:16	2:25:28	300	90	3.0	#2 SN Observat	4	seeing has settled down a bit
0101.COMP	5	5:57	1:30:16	2:25:28	300	90	3.0	#2 SN Observat	4	
0102.cairnsk_044	360	5:58	1:24:4.3	-3:15:35	300	90	3.0	#2 SN Observat	4	
0103.COMP	5	6:04	1:24:4.3	-3:15:35	300	90	3.0	#2 SN Observat	4	
0104.cairnsk_045	300	6:05	1:26:1.6	-4:17:56	300	90	3.0	#2 SN Observat	4	
0105.COMP	5	6:10	1:26:1.6	-4:17:56	300	90	3.0	#2 SN Observat	4	
0106.cairnsk_046	600	6:11	1:25:12.7	-4:26:12	300	90	3.0	#2 SN Observat	4	
0107.COMP	5	6:22	1:25:12.7	-4:26:12	300	90	3.0	#2 SN Observat	4	
0108.cairnsk_047	480	6:23	1:20:12.4	-4:58:3	300	90	3.0	#2 SN Observat	4	

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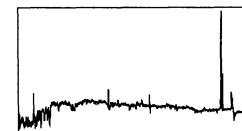
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0109.COMP	5	6:31	1:20:12.4	-4:58:3	300	90	3.0	#2 SN Observat	4	
0110.cairnsk_048	900	6:33	1:35:45.6	-2:55:18	300	90	3.0	#2 SN Observat	4	
0111.COMP	5	6:49	1:35:45.6	-2:55:18	300	90	3.0	#2 SN Observat	4	
0112.cairnsk_049	480	6:50	1:33:16	-3:10:6	300	90	3.0	#2 SN Observat	4	
0113.COMP	5	6:58	1:33:16	-3:10:6	300	90	3.0	#2 SN Observat	4	
0114.cairnsk_050	600	6:59	1:21:46.3	-3:39:44	300	90	3.0	#2 SN Observat	4	
0115.COMP	5	7:10	1:21:46.3	-3:39:44	300	90	3.0	#2 SN Observat	4	
0116.cairnsk_051	330	7:11	1:40:57.4	-1:35:29	300	90	3.0	#2 SN Observat	4	
0117.COMP	5	7:16	1:40:57.4	-1:35:29	300	90	3.0	#2 SN Observat	4	
0118.cairnsk_063	1200	7:18	4:35:49.3	-14:3:53	300	90	3.0	#2 SN Observat	4	
0119.COMP	5	7:38	4:35:49.3	-14:3:53	300	90	3.0	#2 SN Observat	4	
0120.cairnsk_064	360	7:39	4:34:47.7	-10:23:26	300	90	3.0	#2 SN Observat	4	
0121.COMP	5	7:46	4:34:47.7	-10:23:26	300	90	3.0	#2 SN Observat	4	
0122.cairnsk_065	420	7:46	4:37:13.7	-11:46:32	300	90	3.0	#2 SN Observat	4	
0123.COMP	5	7:53	4:37:13.7	-11:46:32	300	90	3.0	#2 SN Observat	4	
0124.cairnsk_066	900	7:54	4:43:3.7	-14:51:21	300	90	3.0	#2 SN Observat	4	
0125.COMP	5	8:10	4:43:3.7	-14:51:21	300	90	3.0	#2 SN Observat	4	
0126.cairnsk_067	600	8:10	4:37:43.2	-11:47:56	300	90	3.0	#2 SN Observat	4	
0127.COMP	5	8:21	4:37:43.2	-11:47:56	300	90	3.0	#2 SN Observat	4	
0128.cairnsk_068	360	8:21	4:35:44.1	-10:45:35	300	90	3.0	#2 SN Observat	4	

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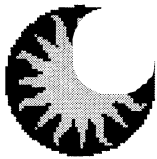
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0129.COMP	5	8:28	4:35:44.1	-10:45:35	300	90	3.0	#2 SN Observat	4	
0130.cairnsk_069	900	8:29	4:34:18.6	-13:57:20	300	90	3.0	#2 SN Observat	4	
0131.COMP	5	8:44	4:34:18.6	-13:57:20	300	90	3.0	#2 SN Observat	4	
0132.cairnsk_070	270	8:48	4:34:7.5	-14:49:45	300	90	3.0	#2 SN Observat	4	<i>superposed star but get her on</i>
0133.COMP	5	8:53	4:34:7.5	-14:49:45	300	90	3.0	#2 SN Observat	4	
0134.cairnsk_078	1200	8:54	4:43:8	-13:58:35	300	90	3.0	#2 SN Observat	4	a few thin clouds
0135.COMP	5	9:14	4:43:8	-13:58:35	300	90	3.0	#2 SN Observat	4	
0136.cairnsk_079	720	9:15	4:33:6.9	-14:26:23	300	90	3.0	#2 SN Observat	4	
0137.COMP	5	9:28	4:33:6.9	-14:26:23	300	90	3.0	#2 SN Observat	4	
0138.cairnsk_080	720	9:29	4:34:44.7	-10:22:38	300	90	3.0	#2 SN Observat	4	
0139.COMP	5	9:41	4:34:44.7	-10:22:38	300	90	3.0	#2 SN Observat	4	
0140.cairnsk_081	900	9:42	4:33:47	-14:4:39	300	90	3.0	#2 SN Observat	4	
0141.COMP	5	9:57	4:33:47	-14:4:39	300	90	3.0	#2 SN Observat	4	
0142.cairnsk_082	900	9:58	4:28:25.7	-10:42:57	300	90	3.0	#2 SN Observat	4	seeing blowing up again
0143.COMP	5	10:14	4:28:25.7	-10:42:57	300	90	3.0	#2 SN Observat	4	
0144.vso-20000	480	10:16	05:35:52.2	-4:43:04	300	0	3.0	#112 Orion PMS	4	
0145.COMP	5	10:24	05:35:52.2	-4:43:04	300	0	3.0	#112 Orion PMS	4	
0146.vso-20013	720	10:25	05:35:54.0	-4:47:42	300	0	3.0	#112 Orion PMS	4	
0147.COMP	5	10:38	05:35:54.0	-4:47:42	300	0	3.0	#112 Orion PMS	4	
0148.vso-20023	420	10:38	05:35:56.0	-4:56:55	300	0	3.0	#112 Orion PMS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0149.COMP	5	10:46	05:35:56.0	-4:56:55	300	0	3.0	#112 Orion PMS	4	
0150.Hiltner600	60	10:47	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0151.Hiltner600	60	10:48	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0152.Hiltner600	60	10:50	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0153.COMP	10	10:51	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0154.vso-20026	600	10:53	05:35:57.5	-4:39:08	300	30	3.0	#112 Orion PMS	4	
0155.COMP	5	11:03	05:35:57.5	-4:39:08	300	30	3.0	#112 Orion PMS	4	
0156.vso-20761	720	11:04	05:36:07.2	-5:40:22	300	30	3.0	#112 Orion PMS	4	
0157.COMP	5	11:16	05:36:07.2	-5:40:22	300	30	3.0	#112 Orion PMS	4	
0158.vso-20065	600	11:17	05:36:14.4	-4:35:48	300	30	3.0	#112 Orion PMS	4	
0159.COMP	5	11:28	05:36:14.4	-4:35:48	300	30	3.0	#112 Orion PMS	4	
0160.vso-20070	540	11:29	05:36:19.7	-4:44:55	300	30	3.0	#112 Orion PMS	4	
0161.COMP	5	11:38	05:36:19.7	-4:44:55	300	30	3.0	#112 Orion PMS	4	
0162.vso-20109	720	11:38	05:36:25.8	-4:50:19	300	30	3.0	#112 Orion PMS	4	
0163.COMP	5	11:51	05:36:25.8	-4:50:19	300	30	3.0	#112 Orion PMS	4	
0164.vso-21007	480	11:51	05:36:34.5	-5:32:14	300	30	3.0	#112 Orion PMS	4	
0165.COMP	5	12:00	05:36:34.5	-5:32:14	300	30	3.0	#112 Orion PMS	4	
0166.vso-20158	600	12:00	05:36:37.0	-5:04:41	300	30	3.0	#112 Orion PMS	4	that is some bad seeing
0167.COMP	5	12:10	05:36:37.0	-5:04:41	300	30	3.0	#112 Orion PMS	4	
0168.sn2002he	1200	12:14	08:19:58.8	62:49:13	300	0	3.0	#2 SN Observat	2	

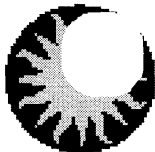
UT Date 2002-11-11 Observers P BerlindColl. Focus 980 Grating/Grism 300

<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>
0169.COMP	10	12:34	08:19:58.8	62:49:13	300	0	3.0	#2 SN Observat	2	
0170.Feige34	150	12:37	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0171.Feige34	300	12:40	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0172.COMP	10	12:46	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0173.BIAS	0	12:48	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	thin clouds to south at dawn
0174-0182.BIAS	0	12:49	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0183-0192.FLAT	8	12:52	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0193-0202.BIAS	0	12:55	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0203-0212.FLAT	16	13:00	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0213-0222.DARK	1200	16:04	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	0:26	20:41:45.8	+31:29:41	300	90	3.0	#56 Spectropho	4	
0002.DARK	900	0:42	20:56:53.4	+31:29:38	300	90	3.0	#56 Spectropho	4	
0003.DARK	900	0:57	21:12:04.4	+31:29:36	300	90	3.0	#56 Spectropho	4	
0004-0013.BIAS	0	1:13	21:13:22.5	+31:29:35	300	90	3.0	#56 Spectropho	4	
0014-0023.FLAT	6	1:16	21:15:59.1	+31:29:35	300	90	3.0	#56 Spectropho	4	
0024-0033.BIAS	0	1:18	21:18:09.6	+31:29:35	300	90	3.0	#56 Spectropho	2	
0034-0043.FLAT	12	1:22	21:22:25.5	+31:29:34	300	90	3.0	#56 Spectropho	2	
0044.BDp284211	90	1:26	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0045.BDp284211	90	1:28	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0046.COMP	5	1:30	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0047.BDp284211	70	1:37	21:48:57.1	28:37:48	300	-57	3.0	#56 Spectropho	2	
0048.BDp284211	70	1:39	21:48:57.1	28:37:48	300	-57	3.0	#56 Spectropho	2	
0049.COMP	12	1:40	21:48:57.1	28:37:48	300	-57	3.0	#56 Spectropho	2	
0050.sn2002ha	1200	1:47	20:47:18.5	+00:18:45	300	22	3.0	#2 SN Observat	2	
0051.COMP	12	2:08	20:47:18.5	+00:18:45	300	22	3.0	#2 SN Observat	2	
0052.sn2002hw	1200	2:11	00:06:49.0	+08:37:48	300	-45	3.0	#2 SN Observat	2	
0053.COMP	12	2:32	00:06:49.0	+08:37:48	300	-45	3.0	#2 SN Observat	2	
0054.N7331	180	2:35	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	too many counts
0055.COMP	12	2:38	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0056.N7331	90	2:39	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	

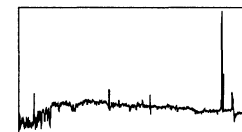
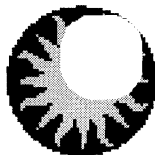


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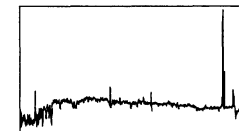
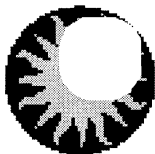
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.COMP	12	2:41	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0058.FLAT	4	2:47	22:34:46.9	+34:09:43	300	90	5.0	#56 Spectropho	4	5 arcsec slit
0059-0067.FLAT	4	2:49	22:34:46.9	+34:09:43	300	90	5.0	#56 Spectropho	4	
0068.BDp284211	50	2:51	21:48:57.1	28:37:48	300	74	5.0	#56 Spectropho	4	
0069.BDp284211	50	2:52	21:48:57.1	28:37:48	300	74	5.0	#56 Spectropho	4	
0070.COMP	4	2:54	21:48:57.1	28:37:48	300	74	5.0	#56 Spectropho	4	
0071.Feige110	120	2:58	23:17:23.5	-05:26:22	300	-8	5.0	#56 Spectropho	4	
0072.Feige110	120	3:00	23:17:23.5	-05:26:22	300	-8	5.0	#56 Spectropho	4	
0073.COMP	4	3:03	23:17:23.5	-05:26:22	300	-8	5.0	#56 Spectropho	4	
0074.FLAT	12	3:06	23:17:23.5	-05:26:22	300	90	5.0	#56 Spectropho	2	3 arcsec slit
0075-0083.FLAT	12	3:10	23:17:23.5	-05:26:22	300	90	5.0	#56 Spectropho	2	
0084.BDp284211	70	3:15	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0085.BDp284211	70	3:16	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0086.COMP	12	3:18	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0087.2MJ2032195p495145	1200	3:21	20:32:19.5	+49:51:45	300	90	3.0	#68 2MASS Reds	2	
0088.COMP	12	3:41	20:32:19.5	+49:51:45	300	90	3.0	#68 2MASS Reds	2	
0089.2MJ2035236p521940	900	3:43	20:35:23.6	+52:19:40	300	90	3.0	#68 2MASS Reds	2	
0090.COMP	12	3:59	20:35:23.6	+52:19:40	300	90	3.0	#68 2MASS Reds	2	
0091.2MJ2037468p130455	330	4:01	20:37:46.8	+13:04:55	300	90	3.0	#68 2MASS Reds	2	
0092.COMP	12	4:07	20:37:46.8	+13:04:55	300	90	3.0	#68 2MASS Reds	2	

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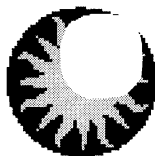
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0093.2MJ2038565p193750	240	4:10	20:38:56.5	+19:37:50	300	90	3.0	#68 2MASS Reds	2	
0094.COMP	12	4:15	20:38:56.5	+19:37:50	300	90	3.0	#68 2MASS Reds	2	
0095.2MJ2039229p293328	660	4:17	20:39:22.9	+29:33:28	300	100	3.0	#68 2MASS Reds	2	row=72
0096.COMP	12	4:28	20:39:22.9	+29:33:28	300	100	3.0	#68 2MASS Reds	2	
0097.2MJ2039428p321136	1200	4:31	20:39:42.8	+32:11:36	300	90	3.0	#68 2MASS Reds	2	noise
0098.COMP	12	4:52	20:39:42.8	+32:11:36	300	90	3.0	#68 2MASS Reds	2	
0099.2MJ2040305p505426	1200	4:54	20:40:30.5	+50:54:26	300	90	3.0	#68 2MASS Reds	2	row=74
0100.COMP	12	5:14	20:40:30.5	+50:54:26	300	90	3.0	#68 2MASS Reds	2	
0101.ZAnd	2	5:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0102.ZAnd	5	5:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0103.ZAnd	15	5:17	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0104.COMP	12	5:18	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0105.0o2589	5	5:20	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	2	
0106.0o2589	5	5:21	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	2	
0107.0o2589	5	5:21	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	2	
0108.COMP	12	5:21	02:22:53.3	57:14:42	300	90	3.0	#83 H+Chi Per	2	
0109.sb42	1200	5:26	02:59:50.6	+02:46:18	300	40	3.0	#135 Starburst	2	
0110.COMP	12	5:46	02:59:50.6	+02:46:18	300	40	3.0	#135 Starburst	2	
0111.sb42a	720	5:48	02:59:51.3	+02:47:07	300	90	3.0	#135 Starburst	2	
0112.COMP	12	6:00	02:59:51.3	+02:47:07	300	90	3.0	#135 Starburst	2	

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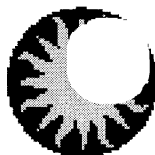
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0113.sb43a	1020	6:02	03:08:32.0	+20:47:17	300	90	3.0	#135 Starburst	2	
0114.COMP	12	6:19	03:08:32.0	+20:47:17	300	90	3.0	#135 Starburst	2	
0115.sb43b	1200	6:21	03:08:34.3	+20:45:38	300	90	3.0	#135 Starburst	2	
0116.COMP	12	6:41	03:08:34.3	+20:45:38	300	90	3.0	#135 Starburst	2	
0117.sb41	1200	6:45	02:59:42.8	+25:14:27	300	37	3.0	#135 Starburst	2	
0118.COMP	12	7:05	02:59:42.8	+25:14:27	300	37	3.0	#135 Starburst	2	
0119.sb46	1200	7:08	03:32:07.4	+47:47:38	300	110	3.0	#135 Starburst	2	
0120.COMP	12	7:28	03:32:07.4	+47:47:38	300	110	3.0	#135 Starburst	2	
0121.sb44	1200	7:30	03:15:01.4	+42:02:09	300	85	3.0	#135 Starburst	2	
0122.COMP	12	7:51	03:15:01.4	+42:02:09	300	85	3.0	#135 Starburst	2	
0123.sb44a	360	7:52	03:15:09.4	+42:03:18	300	90	3.0	#135 Starburst	2	
0124.COMP	12	7:59	03:15:09.4	+42:03:18	300	90	3.0	#135 Starburst	2	
0125.sb47	1200	8:01	03:38:56.7	+20:24:07	300	45	3.0	#135 Starburst	2	
0126.COMP	12	8:21	03:38:56.7	+20:24:07	300	45	3.0	#135 Starburst	2	
0127.sn2002fk	1200	8:24	03:22:05.7	-15:24:03	300	18	3.0	#2 SN Observat	2	
0128.COMP	12	8:44	03:22:05.7	-15:24:03	300	18	3.0	#2 SN Observat	2	
0129.BGGem	300	8:47	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0130.COMP	12	8:53	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0131.BGGem	1200	8:54	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0132.COMP	12	9:14	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	

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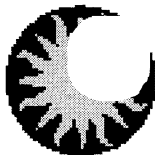
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0133.cairnsk_084	1200	9:17	4:39:0.5	-12:29:49	300	90	3.0	#64 Galaxy Clu	2	
0134.COMP	12	9:38	4:39:0.5	-12:29:49	300	90	3.0	#100 BGGem	2	
0135.cairnsk_085	600	9:39	4:28:51.8	-11:49:7	300	90	3.0	#64 Galaxy Clu	2	
0136.COMP	12	9:49	4:28:51.8	-11:49:7	300	90	3.0	#64 Galaxy Clu	2	
0137.cairnsk_089	900	9:52	4:33:45.5	-10:32:9	300	90	3.0	#64 Galaxy Clu	2	
0138.COMP	12	10:08	4:33:45.5	-10:32:9	300	90	3.0	#64 Galaxy Clu	2	
0139.cairnsk_090	1200	10:09	4:35:38.5	-15:50:46	300	90	3.0	#64 Galaxy Clu	2	
0140.COMP	12	10:29	4:35:38.5	-15:50:46	300	90	3.0	#64 Galaxy Clu	2	
0141.cairnsk_091	900	10:32	4:41:34.9	-12:35:53	300	90	3.0	#64 Galaxy Clu	2	
0142.COMP	12	10:47	4:41:34.9	-12:35:53	300	90	3.0	#64 Galaxy Clu	2	
0143.vso-21347	660	10:52	05:36:51.8	-5:08:35	300	25	3.0	#112 Orion PMS	2	
0144.COMP	12	11:04	05:36:51.8	-5:08:35	300	25	3.0	#112 Orion PMS	2	
0145.vso-21382	540	11:05	05:36:59.8	-5:23:40	300	25	3.0	#112 Orion PMS	2	
0146.COMP	12	11:14	05:36:59.8	-5:23:40	300	25	3.0	#112 Orion PMS	2	
0147.vso-20289	720	11:16	05:37:15.8	-4:37:48	300	25	3.0	#112 Orion PMS	2	
0148.COMP	12	11:28	05:37:15.8	-4:37:48	300	25	3.0	#112 Orion PMS	2	
0149.vso-21461	900	11:31	05:37:26.0	-5:34:01	300	35	3.0	#112 Orion PMS	2	
0150.COMP	12	11:46	05:37:26.0	-5:34:01	300	35	3.0	#112 Orion PMS	2	
0151.vso-20611	720	11:49	05:38:18.9	-4:34:46	300	35	3.0	#112 Orion PMS	2	seeing blowing up...
0152.COMP	12	12:01	05:38:18.9	-4:34:46	300	35	3.0	#112 Orion PMS	2	

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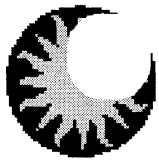
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0153.vso-21615	1200	12:04	05:38:36.1	-5:40:48	300	41	3.0	#112 Orion PMS	2	
0154.COMP	12	12:25	05:38:36.1	-5:40:48	300	41	3.0	#112 Orion PMS	2	
0155.vso-21886	1200	12:27	05:42:06.4	-4:50:50	300	41	3.0	#112 Orion PMS	2	
0156.COMP	12	12:47	05:42:06.4	-4:50:50	300	41	3.0	#112 Orion PMS	2	
0157.Feige34	120	12:51	10:36:41.2	43:21:50	300	71	3.0	#56 Spectropho	2	
0158.COMP	12	12:54	10:36:41.2	43:21:50	300	71	3.0	#56 Spectropho	2	
0159.Feige34	120	13:00	10:36:41.2	43:21:50	300	71	5.0	#56 Spectropho	4	5 arcsec slit
0160.COMP	4	13:03	10:36:41.2	43:21:50	300	71	5.0	#56 Spectropho	4	
0161-0170.FLAT	4	13:06	10:36:41.2	43:21:50	300	90	5.0	#56 Spectropho	4	
0171-0180.BIAS	0	13:09	10:36:41.2	43:21:50	300	90	5.0	#56 Spectropho	4	
0181-0190.DARK	900	15:28	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	23:59	20:18:15.7	+31:29:46	300	90	3.0	#56 Spectropho	4	
0002.DARK	900	0:14	20:33:23.1	+31:29:43	300	90	3.0	#56 Spectropho	4	
0003.DARK	900	0:29	20:48:34.0	+31:29:40	300	90	3.0	#56 Spectropho	4	
0004.DARK	900	0:44	21:03:41.6	+31:29:37	300	90	3.0	#56 Spectropho	4	
0005.DARK	900	1:00	21:18:52.7	+31:29:35	300	90	3.0	#56 Spectropho	4	
0006-0015.BIAS	0	1:16	21:20:11.3	+31:29:34	300	90	3.0	#56 Spectropho	4	
0016-0025.FLAT	6	1:19	21:23:21.8	+31:29:34	300	90	3.0	#56 Spectropho	4	
0026-0030.BIAS	0	1:21	21:25:19.4	+31:29:34	300	90	3.0	#56 Spectropho	2	
0031-0035.BIAS	0	1:22	21:26:24.4	+31:29:33	300	90	3.0	#56 Spectropho	2	
0036-0045.FLAT	12	1:27	21:31:36.7	+31:29:33	300	90	3.0	#56 Spectropho	2	
0046.BDp284211	70	1:34	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0047.BDp284211	70	1:35	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0048.COMP	5	1:37	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0049.BDp284211	70	1:38	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0050.BDp284211	70	1:39	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0051.COMP	12	1:41	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0052.BDp284211	70	1:44	21:48:57.1	28:37:48	300	-26	3.0	#56 Spectropho	2	
0053.BDp284211	70	1:45	21:48:57.1	28:37:48	300	-26	3.0	#56 Spectropho	2	
0054.COMP	12	1:47	21:48:57.1	28:37:48	300	-26	3.0	#56 Spectropho	2	
0055.3C390.3	420	1:52	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	

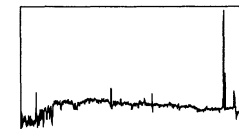
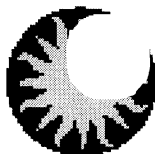
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.3C390.3	420	2:00	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0057.COMP	12	2:07	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0058.MRK509	240	2:10	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0059.MRK509	240	2:14	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0060.COMP	12	2:19	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0061.Akn564	240	2:21	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0062.Akn564	240	2:25	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0063.COMP	12	2:30	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0064.N7469	240	2:31	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0065.N7469	240	2:35	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0066.COMP	12	2:40	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0067.MRK335	180	2:42	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0068.MRK335	180	2:45	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0069.COMP	12	2:49	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0070.shtr37_2.4-719	780	2:51	21:39:41.6	57:34:35	300	90	3.0	#137 Intermedi	2	
0071.COMP	12	3:04	21:39:41.6	57:34:35	300	90	3.0	#137 Intermedi	2	
0072.shtr37_2.4-499	780	3:06	21:40:9.2	57:33:24	300	90	3.0	#137 Intermedi	2	
0073.COMP	12	3:19	21:40:9.2	57:33:24	300	90	3.0	#137 Intermedi	2	
0074.shtr37_1.1-238	840	3:22	21:37:9.8	57:19:4	300	90	3.0	#137 Intermedi	2	
0075.COMP	12	3:37	21:37:9.8	57:19:4	300	90	3.0	#137 Intermedi	2	

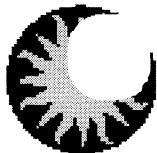
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.shtr37_1.1-1549	900	3:38	21:36:37.3	57:24:53	300	90	3.0	#137 Intermedi	2	
0077.COMP	12	3:53	21:36:37.3	57:24:53	300	90	3.0	#137 Intermedi	2	
0078.lgn2tr37_1.1-1020	900	3:59	21:36:46.5	57:22:12	300	90	3.0	#137 Intermedi	2	
0079.COMP	12	4:14	21:36:46.5	57:22:12	300	90	3.0	#137 Intermedi	2	
0080.lgn2tr37_1.1-1152	900	4:15	21:37:17.5	57:22:45	300	90	3.0	#137 Intermedi	2	
0081.COMP	12	4:31	21:37:17.5	57:22:45	300	90	3.0	#137 Intermedi	2	
0082.lgn2tr37_1.1-1312	540	4:31	21:37:8.8	57:23:23	300	90	3.0	#137 Intermedi	2	
0083.COMP	12	4:41	21:37:8.8	57:23:23	300	90	3.0	#137 Intermedi	2	
0084.lgn2tr37_1.1-2274	600	4:42	21:37:26.2	57:27:15	300	90	3.0	#137 Intermedi	2	
0085.COMP	12	4:52	21:37:26.2	57:27:15	300	90	3.0	#137 Intermedi	2	
0086.lgn2tr37_1.1-2436	540	4:54	21:36:52.1	57:27:55	300	90	3.0	#137 Intermedi	2	row=73
0087.COMP	12	5:03	21:36:52.1	57:27:55	300	90	3.0	#137 Intermedi	2	
0088.lgn2tr37_1.1-1380	840	5:04	21:37:6.0	57:23:39	300	90	3.0	#137 Intermedi	2	
0089.COMP	12	5:19	21:37:6.0	57:23:39	300	90	3.0	#137 Intermedi	2	
0090.lgn2tr37_1.1-1064	480	5:20	21:36:23.7	57:22:24	300	90	3.0	#137 Intermedi	2	
0091.COMP	12	5:28	21:36:23.7	57:22:24	300	90	3.0	#137 Intermedi	2	
0092.lgn2tr37_1.1-987	840	5:29	21:37:3.8	57:22:9	300	90	3.0	#137 Intermedi	2	
0093.COMP	12	5:44	21:37:3.8	57:22:9	300	90	3.0	#137 Intermedi	2	
0094.sn2002hu	1200	5:49	02:18:20.0	+37:27:58	300	44	3.0	#2 SN Observat	2	
0095.COMP	12	6:09	02:18:20.0	+37:27:58	300	44	3.0	#2 SN Observat	2	

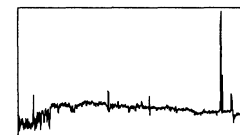
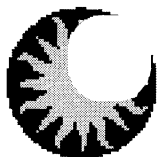


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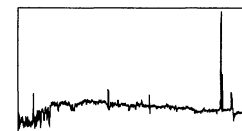
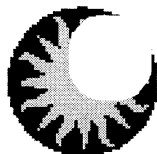
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.M31	60	6:10	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0097.COMP	12	6:12	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0098.FLAT	40	6:17	00:40:00.0	+40:59:42	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=430
0099-0107.FLAT	40	6:24	00:40:00.0	+40:59:42	600	90	2.0	#122 Halo Star	4	
0108.hss027	900	6:32	0:13:47.5	-1:13:32	600	90	2.0	#122 Halo Star	4	
0109.hss027	900	6:48	0:13:47.5	-1:13:32	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	7:03	0:13:47.5	-1:13:32	600	90	2.0	#122 Halo Star	4	
0111.hss037	1200	7:05	1:00:45.1	-1:02:12	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	7:26	1:00:45.1	-1:02:12	600	90	2.0	#122 Halo Star	4	
0113.hss039	1200	7:28	1:02:34.5	0:48:20	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	7:48	1:02:34.5	0:48:20	600	90	2.0	#122 Halo Star	4	
0115.hss040	1020	7:50	1:05:00.6	0:58:24	600	90	2.0	#122 Halo Star	4	
0116.hss040	1020	8:07	1:05:00.6	0:58:24	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	8:24	1:05:00.6	0:58:24	600	90	2.0	#122 Halo Star	4	
0118.hss041	1200	8:28	1:14:46.6	0:20:45	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	8:48	1:14:46.6	0:20:45	600	90	2.0	#122 Halo Star	4	
0120.hss064	1200	8:50	2:14:39.2	-1:00:40	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	9:10	2:14:39.2	-1:00:40	600	90	2.0	#122 Halo Star	4	
0122.HD019373	1	9:12	3:08:59.0	49:36:47	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	9:13	3:08:59.0	49:36:47	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0124.HD019373	0	9:13	3:08:59.0	49:36:47	600	90	2.0	#122 Halo Star	4	
0125.HD019373	0	9:14	3:08:59.0	49:36:47	600	90	2.0	#122 Halo Star	4	
0126.HD019373	0	9:14	3:08:59.0	49:36:47	600	90	2.0	#122 Halo Star	4	
0127.HD019373	0	9:14	3:08:59.0	49:36:47	600	90	2.0	#122 Halo Star	4	
0128.HD019373	0	9:14	3:08:59.0	49:36:47	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	9:14	3:08:59.0	49:36:47	600	90	2.0	#122 Halo Star	4	
0130.hss086	1200	9:18	3:21:07.5	1:12:05	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	9:38	3:21:07.5	1:12:05	600	90	2.0	#122 Halo Star	4	
0132.hss087	1200	9:40	3:24:41.5	0:35:27	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	10:01	3:24:41.5	0:35:27	600	90	2.0	#122 Halo Star	4	
0134.hss088	1200	10:22	3:25:43.5	0:03:52	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	10:42	3:25:43.5	0:03:52	600	90	2.0	#122 Halo Star	4	
0136.Hiltner600	75	10:49	06:42:37.2	02:11:25	600	90	5.0	#56 Spectropho	2	600L, 5arcsec, tilt=452
0137.Hiltner600	75	10:51	06:42:37.2	02:11:25	600	90	5.0	#56 Spectropho	2	
0138.COMP	12	10:53	06:42:37.2	02:11:25	600	90	5.0	#56 Spectropho	2	
0139-0148.FLAT	12	10:59	06:42:37.2	02:11:25	600	90	5.0	#56 Spectropho	2	
0149.FLAT	12	11:03	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	normal setup
0150-0158.FLAT	12	11:06	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0159.vso-24610	360	11:09	05:48:24.0	-4:31:27	300	90	3.0	#112 Orion PMS	2	
0160.COMP	12	11:15	05:48:24.0	-4:31:27	300	90	3.0	#112 Orion PMS	2	

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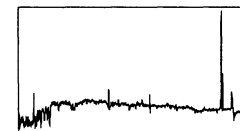
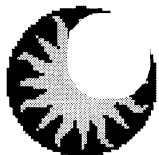
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0161.vso-25461	840	11:16	05:48:39.7	-5:33:36	300	90	3.0	#112 Orion PMS	2	
0162.COMP	12	11:30	05:48:39.7	-5:33:36	300	90	3.0	#112 Orion PMS	2	
0163.vso-33220	480	11:32	06:01:35.5	-4:47:59	300	90	3.0	#112 Orion PMS	2	
0164.COMP	12	11:40	06:01:35.5	-4:47:59	300	90	3.0	#112 Orion PMS	2	
0165.vso-40470	600	11:41	06:10:54.4	-4:55:52	300	90	3.0	#112 Orion PMS	2	
0166.COMP	12	11:52	06:10:54.4	-4:55:52	300	90	3.0	#112 Orion PMS	2	
0167.sn2002hd	1200	11:57	08:54:03.3	-07:11:21	300	-17	3.0	#2 SN Observat	2	
0168.COMP	12	12:18	08:54:03.3	-07:11:21	300	-17	3.0	#2 SN Observat	2	
0169.sn2002he	1200	12:29	08:19:58.8	62:49:13	300	-6	3.0	#2 SN Observat	2	
0170.COMP	12	12:49	08:19:58.8	62:49:13	300	-6	3.0	#2 SN Observat	2	
0171.Feige34	120	12:52	10:36:41.2	43:21:50	300	69	3.0	#56 Spectropho	2	
0172.COMP	12	12:54	10:36:41.2	43:21:50	300	69	3.0	#56 Spectropho	2	
0173.AGK2p43928	3	12:56	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0174.COMP	12	12:57	09:52:29	+43:28:00	300	90	3.0	#57 Velocity S	2	
0175.Feige34	90	13:01	10:36:41.2	43:21:50	600	90	5.0	#56 Spectropho	2	600L, 5arcsec, tilt=452
0176.Feige34	90	13:02	10:36:41.2	43:21:50	600	90	5.0	#56 Spectropho	2	
0177.COMP	12	13:04	10:36:41.2	43:21:50	600	90	5.0	#56 Spectropho	2	
0178-0187.FLAT	12	13:12	10:36:41.2	43:21:50	600	90	5.0	#56 Spectropho	2	
0188-0197.BIAS	0	13:15	10:36:41.2	43:21:50	600	90	5.0	#56 Spectropho	2	
0198-0207.DARK	900	15:33	10:36:41.2	43:21:50	600	90	5.0	#56 Spectropho	2	

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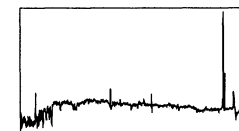
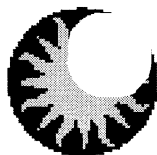
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0001.DARK	900	0:02	20:24:35.8	+31:29:44	300	900	3.0	#56 Spectropho	4	
0002.DARK	900	0:17	20:39:43.0	+31:29:41	300	900	3.0	#56 Spectropho	4	
0003.DARK	900	0:32	20:54:53.9	+31:29:39	300	900	3.0	#56 Spectropho	4	
0004.DARK	900	0:47	21:10:01.1	+31:29:36	300	900	3.0	#56 Spectropho	4	
0005.DARK	900	1:02	21:25:12.2	+31:29:34	300	900	3.0	#56 Spectropho	4	
0006-0008.BIAS	0	1:17	21:25:42.3	+31:29:34	300	0	3.0	#56 Spectropho	4	
0009-0015.BIAS	0	1:18	21:26:34.1	+31:29:33	300	0	3.0	#56 Spectropho	4	
0016-0025.FLAT	6	1:21	21:29:10.7	+31:29:33	300	6	3.0	#56 Spectropho	4	
0026-0035.BIAS	0	1:23	21:31:29.3	+31:29:33	300	0	3.0	#56 Spectropho	2	
0036.FLAT	12	1:24	21:32:08.4	+31:29:33	300	12	3.0	#56 Spectropho	2	
0037-0045.FLAT	12	1:27	21:35:54.1	+31:29:32	300	12	3.0	#56 Spectropho	2	
0046.BDp284211	70	1:48	21:48:57.1	28:37:48	300	70	3.0	#56 Spectropho	4	
0047.BDp284211	70	1:49	21:48:57.1	28:37:48	300	70	3.0	#56 Spectropho	4	
0048.COMP	5	1:51	21:48:57.1	28:37:48	300	5	3.0	#56 Spectropho	4	
0049.BDp284211	70	1:51	21:48:57.1	28:37:48	300	70	3.0	#56 Spectropho	2	
0050.BDp284211	70	1:53	21:48:57.1	28:37:48	300	70	3.0	#56 Spectropho	2	
0051.COMP	12	1:55	21:48:57.1	28:37:48	300	12	3.0	#56 Spectropho	2	
0052.BDp284211	70	1:56	21:48:57.1	28:37:48	300	70	3.0	#56 Spectropho	2	
0053.BDp284211	70	1:57	21:48:57.1	28:37:48	300	70	3.0	#56 Spectropho	2	
0054.COMP	12	1:59	21:48:57.1	28:37:48	300	12	3.0	#56 Spectropho	2	

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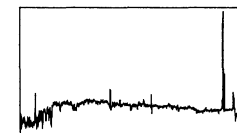
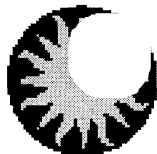
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0055.sn2002hw	1200	2:04	00:06:49.0	+08:37:48	300	1200	3.0	#2 SN Observat	2	row=72
0056.COMP	12	2:24	00:06:49.0	+08:37:48	300	12	3.0	#2 SN Observat	2	
0057.lgn2tr37_1.1-1079	540	2:30	21:37:17.6	57:22:27	300	540	3.0	#137 Intermedi	2	
0058.COMP	12	2:39	21:37:17.6	57:22:27	300	12	3.0	#137 Intermedi	2	
0059.lgn2tr37_1.1-1852	660	2:41	21:36:59.6	57:25:34	300	660	3.0	#137 Intermedi	2	
0060.COMP	12	2:52	21:36:59.6	57:25:34	300	12	3.0	#137 Intermedi	2	
0061.lgn2tr37_1.1-1997	780	2:53	21:36:41.9	57:26:12	300	780	3.0	#137 Intermedi	2	
0062.COMP	12	3:07	21:36:41.9	57:26:12	300	12	3.0	#137 Intermedi	2	
0063.shtr37_1.2-820	1020	3:09	21:39:4.0	57:21:40	300	1020	3.0	#137 Intermedi	2	
0064.COMP	12	3:26	21:39:4.0	57:21:40	300	12	3.0	#137 Intermedi	2	
0065.lgn2tr37_1.2-462	720	3:28	21:38:44.2	57:19:44	300	720	3.0	#137 Intermedi	2	
0066.COMP	12	3:40	21:38:44.2	57:19:44	300	12	3.0	#137 Intermedi	2	
0067.lgn2tr37_1.2-2049	600	3:41	21:39:2.0	57:26:3	300	600	3.0	#137 Intermedi	2	
0068.COMP	12	3:52	21:39:2.0	57:26:3	300	12	3.0	#137 Intermedi	2	
0069.lgn2tr37_1.2-2454	720	3:54	21:38:15.7	57:27:36	300	720	3.0	#137 Intermedi	2	row=69
0070.COMP	12	4:06	21:38:15.7	57:27:36	300	12	3.0	#137 Intermedi	2	
0071.lgn2tr37_1.2-2484	720	4:08	21:38:2.7	57:27:43	300	720	3.0	#137 Intermedi	2	row=71
0072.COMP	12	4:21	21:38:2.7	57:27:43	300	12	3.0	#137 Intermedi	2	
0073.lgn2tr37_1.2-2659	780	4:24	21:38:41.4	57:28:23	300	780	3.0	#137 Intermedi	2	
0074.COMP	12	4:37	21:38:41.4	57:28:23	300	12	3.0	#137 Intermedi	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0075.shtr37_1.3-312	900	4:41	21:38:20.0	57:31:31	300	900	3.0	#137 Intermedi	2	
0076.COMP	12	4:56	21:38:20.0	57:31:31	300	12	3.0	#137 Intermedi	2	
0077.lgn2tr37_1.3-2266	540	4:57	21:38:10.2	57:39:33	300	540	3.0	#137 Intermedi	2	
0078.COMP	12	5:07	21:38:10.2	57:39:33	300	12	3.0	#137 Intermedi	2	
0079.lgn2tr37_1.3-2510	840	5:08	21:38:17.6	57:40:43	300	840	3.0	#137 Intermedi	2	
0080.COMP	12	5:22	21:38:17.6	57:40:43	300	12	3.0	#137 Intermedi	2	
0081.lgn2tr37_1.3-2532	780	5:23	21:38:4.9	57:40:42	300	780	3.0	#137 Intermedi	2	
0082.COMP	12	5:37	21:38:4.9	57:40:42	300	12	3.0	#137 Intermedi	2	
0083.lgn2tr37_1.3-2325	540	5:38	21:37:55.7	57:39:45	300	540	3.0	#137 Intermedi	2	
0084.COMP	12	5:48	21:37:55.7	57:39:45	300	12	3.0	#137 Intermedi	2	
0085.lgn2tr37_1.3-936	480	5:49	21:38:31.1	57:33:49	300	480	3.0	#137 Intermedi	2	
0086.COMP	12	5:58	21:38:31.1	57:33:49	300	12	3.0	#137 Intermedi	2	
0087.lgn2tr37_1.3-710	600	5:59	21:38:40.7	57:32:36	300	600	3.0	#137 Intermedi	2	
0088.COMP	12	6:09	21:38:40.7	57:32:36	300	12	3.0	#137 Intermedi	2	
0089.M31	60	6:11	00:40:00.0	+40:59:42	300	60	3.0	#57 Velocity S	2	
0090.COMP	12	6:13	00:40:00.0	+40:59:42	300	12	3.0	#57 Velocity S	2	
0091.sn2002fk	1200	6:16	03:22:05.7	-15:24:03	300	1200	3.0	#2 SN Observat	2	
0092.COMP	12	6:37	03:22:05.7	-15:24:03	300	12	3.0	#2 SN Observat	2	
0093.FLAT	40	6:43	03:22:05.7	-15:24:03	600	40	2.0	#2 SN Observat	4	600L, 2arcsec, tilt=430
0094-0102.FLAT	40	6:50	03:22:05.7	-15:24:03	600	40	2.0	#2 SN Observat	4	

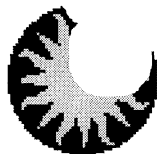
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0103.hss042	1200	6:57	1:15:57.9	1:13:08	600	1200	2.0	#122 Halo Star	4	
0104.hss042	1200	7:17	1:15:57.9	1:13:08	600	1200	2.0	#122 Halo Star	4	
0105.COMP	10	7:37	1:15:57.9	1:13:08	600	10	2.0	#122 Halo Star	4	
0106.hss043	1200	7:39	1:17:46.6	0:46:00	600	1200	2.0	#122 Halo Star	4	
0107.COMP	10	7:59	1:17:46.6	0:46:00	600	10	2.0	#122 Halo Star	4	
0108.hss045	900	8:01	1:22:35.3	1:11:42	600	900	2.0	#122 Halo Star	4	
0109.hss045	900	8:16	1:22:35.3	1:11:42	600	900	2.0	#122 Halo Star	4	
0110.COMP	10	8:32	1:22:35.3	1:11:42	600	10	2.0	#122 Halo Star	4	
0111.hss057	900	8:35	1:51:28.4	1:14:57	600	900	2.0	#122 Halo Star	4	
0112.hss057	900	8:50	1:51:28.4	1:14:57	600	900	2.0	#122 Halo Star	4	
0113.COMP	10	9:05	1:51:28.4	1:14:57	600	10	2.0	#122 Halo Star	4	
0114.hss077	1020	9:07	3:04:25.7	1:07:29	600	1020	2.0	#122 Halo Star	4	
0115.hss077	1020	9:24	3:04:25.7	1:07:29	600	1020	2.0	#122 Halo Star	4	
0116.COMP	10	9:42	3:04:25.7	1:07:29	600	10	2.0	#122 Halo Star	4	
0117.hss083	1200	9:44	3:18:47.7	-1:00:20	600	1200	2.0	#122 Halo Star	4	
0118.COMP	10	10:05	3:18:47.7	-1:00:20	600	10	2.0	#122 Halo Star	4	
0119.hss090	1200	10:06	3:31:49.1	-1:10:45	600	1200	2.0	#122 Halo Star	4	
0120.COMP	10	10:27	3:31:49.1	-1:10:45	600	10	2.0	#122 Halo Star	4	
0121.hss092	900	10:28	3:38:33.0	-1:06:45	600	900	2.0	#122 Halo Star	4	
0122.hss092	900	10:43	3:38:33.0	-1:06:45	600	900	2.0	#122 Halo Star	4	

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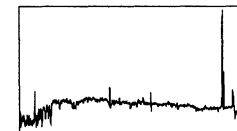
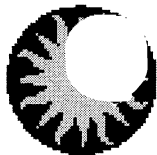
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0123.COMP	10	10:59	3:38:33.0	-1:06:45	600	10	2.0	#122 Halo Star	4	
0124.HD023169	3	11:00	3:43:53.1	25:43:31	600	3	2.0	#122 Halo Star	4	
0125.HD023169	3	11:01	3:43:53.1	25:43:31	600	3	2.0	#122 Halo Star	4	
0126.HD023169	3	11:01	3:43:53.1	25:43:31	600	3	2.0	#122 Halo Star	4	
0127.HD023169	3	11:01	3:43:53.1	25:43:31	600	3	2.0	#122 Halo Star	4	
0128.HD023169	3	11:01	3:43:53.1	25:43:31	600	3	2.0	#122 Halo Star	4	
0129.COMP	10	11:02	3:43:53.1	25:43:31	600	10	2.0	#122 Halo Star	4	
0130.BGGem	300	11:07	6:03:31	27:41:50	300	300	3.0	#100 BGGem	2	
0131.COMP	12	11:13	6:03:31	27:41:50	300	12	3.0	#100 BGGem	2	
0132.BGGem	1200	11:14	6:03:31	27:41:50	300	1200	3.0	#100 BGGem	2	
0133.COMP	12	11:34	6:03:31	27:41:50	300	12	3.0	#100 BGGem	2	
0134.cairnsk_092	660	11:36	4:38:30.7	-14:48:35	300	660	3.0	#100 BGGem	2	
0135.COMP	12	11:48	4:38:30.7	-14:48:35	300	12	3.0	#100 BGGem	2	
0136.cairnsk_093	360	11:49	4:37:0.5	-11:1:27	300	360	3.0	#100 BGGem	2	need more counts
0137.COMP	12	11:55	4:37:0.5	-11:1:27	300	12	3.0	#100 BGGem	2	
0138.cairnsk_093	540	11:56	4:37:0.5	-11:1:27	300	540	3.0	#100 BGGem	2	
0139.COMP	12	12:05	4:37:0.5	-11:1:27	300	12	3.0	#100 BGGem	2	
0140.cairnsk_094	480	12:06	4:33:56.8	-10:43:33	300	480	3.0	#100 BGGem	2	
0141.COMP	12	12:15	4:33:56.8	-10:43:33	300	12	3.0	#100 BGGem	2	
0142.sn2002hx	1200	12:21	08:27:39.4	-14:47:15	300	1200	3.0	#2 SN Observat	2	row=84



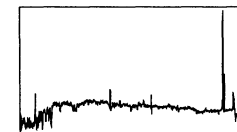
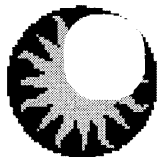
UT Date 2002-11-14 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0143.sn2002hx	1200	12:41	08:27:39.4	-14:47:15	300	1200	3.0	#2 SN Observat	2	
0144.COMP	12	13:02	08:27:39.4	-14:47:15	300	12	3.0	#2 SN Observat	2	
0145.Feige34	90	13:05	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0146.COMP	12	13:07	10:36:41.2	43:21:50	300	12	3.0	#56 Spectropho	2	
0147-0151.sky	2	13:26	10:36:41.2	43:21:50	300	2	3.0	#57 Velocity S	4	
0152.COMP	5	13:27	10:36:41.2	43:21:50	300	5	3.0	#57 Velocity S	4	
0153-0162.BIAS	0	13:29	10:36:41.2	43:21:50	300	0	3.0	#57 Velocity S	4	
0163-0172.FLAT	6	13:31	10:36:41.2	43:21:50	300	6	3.0	#57 Velocity S	4	
0173-0182.BIAS	0	13:34	10:36:41.2	43:21:50	300	0	3.0	#57 Velocity S	2	
0183-0192.FLAT	12	13:43	10:36:41.2	43:21:50	300	12	3.0	#57 Velocity S	2	
0193-0202.DARK	900	16:04	10:36:41.2	43:21:50	300	900	3.0	#57 Velocity S	2	

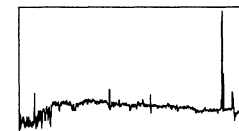
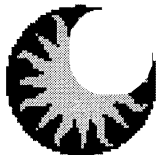
177.BIAS A LITTLE STRANGE; NOT USED

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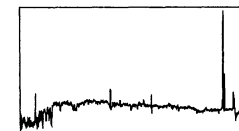
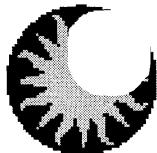
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	4:19	01:29:35.0	+31:29:27	300	90	3.0	#57 Velocity S	4	
0002.DARK	900	4:34	01:44:42.5	+31:29:29	300	90	3.0	#57 Velocity S	4	
0003.DARK	900	4:49	01:59:49.8	+31:29:31	300	90	3.0	#57 Velocity S	4	
0004.DARK	900	5:04	02:15:01.0	+31:29:33	300	90	3.0	#57 Velocity S	4	
0005.DARK	900	5:19	02:30:08.3	+31:29:35	300	90	3.0	#57 Velocity S	4	
0006.DARK	900	5:34	02:45:19.1	+31:29:38	300	90	3.0	#57 Velocity S	4	
0007.DARK	900	5:49	03:00:26.7	+31:29:41	300	90	3.0	#57 Velocity S	4	
0008.DARK	900	6:04	03:15:37.6	+31:29:44	300	90	3.0	#57 Velocity S	4	
0009.DARK	900	6:19	03:30:45.1	+31:29:47	300	90	3.0	#57 Velocity S	4	
0010.DARK	900	6:35	03:45:55.9	+31:29:50	300	90	3.0	#57 Velocity S	4	
0011.BIAS	0	6:50	03:46:09.2	+31:29:50	300	90	3.0	#57 Velocity S	4	
0012-0020.BIAS	0	6:51	03:47:14.4	+31:29:51	300	90	3.0	#57 Velocity S	4	
0021-0030.FLAT	6	6:53	03:49:46.1	+31:29:51	300	90	3.0	#57 Velocity S	4	
0031.BIAS	0	6:54	03:50:38.2	+31:29:51	300	90	3.0	#57 Velocity S	2	
0032-0040.BIAS	0	6:56	03:52:35.0	+31:29:52	300	90	3.0	#57 Velocity S	2	
0041-0045.FLAT	12	6:58	03:54:49.5	+31:29:52	300	90	3.0	#57 Velocity S	2	
0046.FLAT	12	6:59	03:55:12.1	+31:29:53	300	90	3.0	#57 Velocity S	2	
0047.FLAT	12	6:59	03:55:36.8	+31:29:51	300	90	3.0	#57 Velocity S	2	
0048-0050.FLAT	12	7:00	03:56:55.4	+31:29:53	300	90	3.0	#57 Velocity S	2	
0051.Hiltner600	60	7:07	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	

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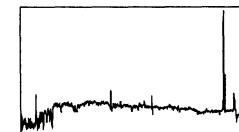
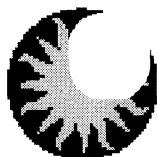
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.Hiltner600	60	7:08	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0053.COMP	5	7:09	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0054.Hiltner600	60	7:20	06:42:37.2	02:11:25	300	-46	3.0	#56 Spectropho	2	
0055.Hiltner600	60	7:21	06:42:37.2	02:11:25	300	-46	3.0	#56 Spectropho	2	
0056.COMP	12	7:23	06:42:37.2	02:11:25	300	-46	3.0	#56 Spectropho	2	
0057.HD52971	3	7:26	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0058.COMP	12	7:27	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0059.HD52971	2	7:28	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0060.COMP	12	7:29	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	hole closes....
0061.BGGem	600	10:00	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	another hole
0062.COMP	12	10:11	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0063.BGGem	1200	10:11	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0064.COMP	12	10:32	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	hole closed...

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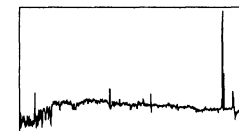
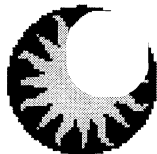
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0002.BIAS	0	22:01	19:00:25.5	+31:30:06	300	90	3.0	#100 BGGem	2	
0003.COMP	10	22:02	19:01:00.3	+31:30:05	300	90	3.0	#100 BGGem	2	
0004.FLAT	12	22:03	19:02:01.4	+31:30:05	300	90	3.0	#100 BGGem	2	
0005.FLAT	13	22:29	19:28:20.9	+31:29:59	300	90	3.0	#100 BGGem	2	
0006.FLAT	12	22:29	19:28:46.8	+31:29:58	300	90	3.0	#100 BGGem	2	
0007.FLAT	12	22:40	19:39:20.9	+31:29:56	300	90	3.0	#100 BGGem	2	
0008.FLAT	20	22:51	19:50:29.1	+31:29:53	300	90	3.0	#100 BGGem	2	
0009.FLAT	12	22:55	19:53:53.6	+31:29:52	300	90	3.0	#100 BGGem	2	
0010.FLAT	30	22:55	19:54:49.5	+31:29:52	300	90	3.0	#100 BGGem	2	
0011.FLAT	40	22:56	19:55:59.6	+31:29:52	300	90	3.0	#100 BGGem	2	
0012.FLAT	60	22:58	19:57:39.4	+31:29:52	300	90	3.0	#100 BGGem	2	
0013.FLAT	12	22:59	19:58:48.5	+31:29:51	300	90	3.0	#100 BGGem	2	
0014.FLAT	45	0:18	21:18:11.3	+31:29:35	300	90	3.0	#100 BGGem	1	
0015.DARK	900	0:55	22:09:57.1	+31:29:28	300	90	3.0	#100 BGGem	4	
0016.DARK	900	1:11	22:25:07.7	+31:29:26	300	90	3.0	#100 BGGem	4	
0017.DARK	900	1:26	22:40:14.6	+31:29:25	300	90	3.0	#100 BGGem	4	
0018.DARK	900	1:41	22:55:24.9	+31:29:24	300	90	3.0	#100 BGGem	4	
0019.DARK	900	1:56	23:10:31.9	+31:29:23	300	90	3.0	#100 BGGem	4	
0020-0024.DARK	900	3:12	00:26:18.0	+31:29:22	300	90	3.0	#100 BGGem	4	
0025.BIAS	0	5:01	02:00:33.7	+31:29:30	300	90	3.0	#100 BGGem	4	bad ccd uv-flood symptoms

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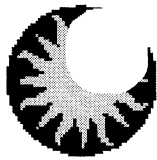
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0026-0030.BIAS	0	5:01	02:01:12.3	+31:29:30	300	90	3.0	#100 BGGem	4	
0031-0034.BIAS	0	5:02	02:01:38.7	+31:29:31	300	90	3.0	#100 BGGem	4	
0035-0044.FLAT	8	5:05	02:05:06.5	+31:29:31	300	90	3.0	#100 BGGem	4	
0045-0054.BIAS	0	5:07	02:07:17.1	+31:29:31	300	90	3.0	#100 BGGem	2	
0055.FLAT	16	5:08	02:07:55.9	+31:29:31	300	90	3.0	#100 BGGem	2	
0056-0064.FLAT	16	5:13	02:13:13.0	+31:29:32	300	90	3.0	#100 BGGem	2	
0065.COMP	5	5:14	02:14:17.7	+31:29:32	300	90	3.0	#100 BGGem	4	
0066.M32	30	5:21	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	clearing after storm
0067.COMP	5	5:22	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0068.cairnss_021	240	5:32	1:38:47.4	1:4:18	300	90	3.0	#64 Cluster In	2	poor seeing
0069.COMP	10	5:37	1:38:47.4	1:4:18	300	90	3.0	#64 Cluster In	2	
0070.cairnss_022	300	5:38	1:26:25.1	-1:38:19	300	90	3.0	#64 Cluster In	2	
0071.COMP	10	5:44	1:26:25.1	-1:38:19	300	90	3.0	#64 Cluster In	2	
0072.cairnss_023	300	5:44	1:34:7.9	-1:1:56	300	90	3.0	#64 Cluster In	2	
0073.COMP	10	5:50	1:34:7.9	-1:1:56	300	90	3.0	#64 Cluster In	2	
0074.cairnss_024	300	5:51	1:36:0.1	0:39:48	300	90	3.0	#64 Cluster In	2	
0075.COMP	10	5:56	1:36:0.1	0:39:48	300	90	3.0	#64 Cluster In	2	
0076.cairnss_025	300	5:57	1:24:7.5	-1:51:36	300	90	3.0	#64 Cluster In	2	
0077.COMP	10	6:03	1:24:7.5	-1:51:36	300	90	3.0	#64 Cluster In	2	
0078.cairnss_026	300	6:03	1:24:52.3	-1:37:1	300	90	3.0	#64 Cluster 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>
0079.COMP	10	6:09	1:24:52.3	-1:37:1	300	90	3.0	#64 Cluster In	2	
0080.cairnss_027	480	6:10	1:25:31.1	-1:24:29	300	90	3.0	#64 Cluster In	2	
0081.COMP	10	6:18	1:25:31.1	-1:24:29	300	90	3.0	#64 Cluster In	2	
0082.cairnss_028	240	6:39	1:12:57.4	-0:20:41	300	90	3.0	#64 Cluster In	2	clouds moving in
0083.COMP	10	6:43	1:12:57.4	-0:20:41	300	90	3.0	#64 Cluster In	2	
0084.cairnss_029	480	6:44	1:29:43.9	-1:14:29	300	90	3.0	#64 Cluster In	2	
0085.COMP	10	6:52	1:29:43.9	-1:14:29	300	90	3.0	#64 Cluster In	2	
0086-0095.FLAT	20	10:36	5:30:00	28:00:00	300	90	3.0	#64 Cluster In	2	
0096-0105.BIAS	0	10:39	5:30:00	28:00:00	300	90	3.0	#64 Cluster In	2	

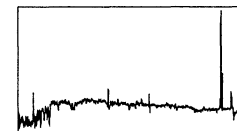
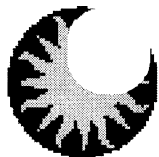
UT Date 2002-11-28 Observers P BerlindColl. Focus 965 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	0:12	21:14:49.1	+31:29:36	300	90	3.0	#64 Cluster In	4	new ccd uv-flood
0002-0010.BIAS	0	0:13	21:15:54.3	+31:29:36	300	90	3.0	#64 Cluster In	4	
0011-0019.FLAT	8	0:16	21:18:57.2	+31:29:36	300	90	3.0	#64 Cluster In	4	
0020.FLAT	8	0:16	21:19:18.6	+31:29:35	300	90	3.0	#64 Cluster In	4	
0021.BIAS	0	0:16	21:19:35.7	+31:29:35	300	90	3.0	#64 Cluster In	2	
0022.BIAS	0	0:17	21:19:48.6	+31:29:35	300	90	3.0	#64 Cluster In	2	bad ccd flood
0023-0030.BIAS	0	0:18	21:21:32.7	+31:29:35	300	90	3.0	#64 Cluster In	2	
0031-0035.FLAT	16	0:21	21:24:31.0	+31:29:35	300	90	3.0	#64 Cluster In	2	
0036-0040.FLAT	16	0:24	21:26:59.2	+31:29:34	300	90	3.0	#64 Cluster In	2	
0041-0045.sky	3	0:32	21:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0046.COMP	10	0:33	21:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0047.BDp284211	120	1:10	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0048.BDp284211	120	1:13	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0049.BDp284211	120	1:15	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0050.COMP	10	1:17	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0051.MRK509	360	1:21	20:44:09.8	-10:43:24	300	30	3.0	#6 AGN Monitor	2	
0052.MRK509	360	1:28	20:44:09.8	-10:43:24	300	30	3.0	#6 AGN Monitor	2	
0053.COMP	10	1:34	20:44:09.8	-10:43:24	300	30	3.0	#6 AGN Monitor	2	
0054.Akn564	360	1:37	22:42:39.4	+29:43:31	300	0	3.0	#6 AGN Monitor	2	
0055.Akn564	360	1:43	22:42:39.4	+29:43:31	300	0	3.0	#6 AGN Monitor	2	

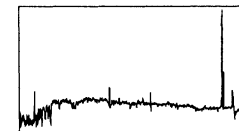
UT Date 2002-11-28 Observers P BerlindColl. Focus 965 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.COMP	10	1:49	22:42:39.4	+29:43:31	300	0	3.0	#6 AGN Monitor	2	
0057.sn2002jg	1200	1:52	22:19:28.8	+29:23:04	300	72	3.0	#2 SN Observat	2	
0058.COMP	10	2:13	22:19:28.8	+29:23:04	300	72	3.0	#2 SN Observat	2	
0059.sn2002hz	1200	2:15	22:27:49.5	+38:35:09	300	100	3.0	#2 SN Observat	2	
0060.COMP	10	2:36	22:27:49.5	+38:35:09	300	100	3.0	#2 SN Observat	2	
0061.N7469	180	2:39	23:03:15.7	+08:52:27	300	22	3.0	#6 AGN Monitor	2	
0062.N7469	180	2:42	23:03:15.7	+08:52:27	300	22	3.0	#6 AGN Monitor	2	
0063.COMP	10	2:46	23:03:15.7	+08:52:27	300	22	3.0	#6 AGN Monitor	2	
0064.ZAnd	2	2:49	23:33:40	48:49:06	300	0	3.0	#12 Symbiotic	2	
0065.ZAnd	5	2:49	23:33:40	48:49:06	300	0	3.0	#12 Symbiotic	2	
0066.ZAnd	30	2:49	23:33:40	48:49:06	300	0	3.0	#12 Symbiotic	2	
0067.ZAnd	60	2:50	23:33:40	48:49:06	300	0	3.0	#12 Symbiotic	2	
0068.COMP	10	2:52	23:33:40	48:49:06	300	0	3.0	#12 Symbiotic	2	
0069.MRK335	300	2:53	00:06:19.6	+20:12:11	300	0	3.0	#6 AGN Monitor	2	
0070.MRK335	300	2:58	00:06:19.6	+20:12:11	300	0	3.0	#6 AGN Monitor	2	
0071.COMP	10	3:04	00:06:19.6	+20:12:11	300	0	3.0	#6 AGN Monitor	2	
0072.sn2002je	1200	3:13	00:27:22.4	+24:10:59	300	0	3.0	#2 SN Observat	2	
0073.COMP	10	3:34	00:27:22.4	+24:10:59	300	0	3.0	#2 SN Observat	2	
0074.cairnss_030	600	3:36	1:11:38.4	-3:20:40	300	0	3.0	#64 Cluster In	2	
0075.COMP	10	3:46	1:11:38.4	-3:20:40	300	0	3.0	#64 Cluster In	2	

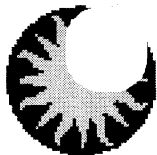


UT Date 2002-11-28 Observers P BerlindColl. Focus 965 Grating/Grism 300

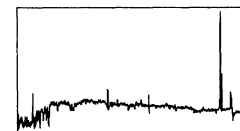
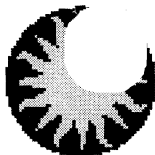
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.cairnss_031	360	3:47	1:11:46.5	-0:39:51	300	0	3.0	#64 Cluster In	2	
0077.COMP	10	3:53	1:11:46.5	-0:39:51	300	0	3.0	#64 Cluster In	2	
0078.cairnss_032	1200	3:55	1:21:8	1:22:24	300	0	3.0	#64 Cluster In	2	
0079.COMP	10	4:15	1:21:8	1:22:24	300	0	3.0	#64 Cluster In	2	
0080.cairnss_033	300	4:16	1:24:19.4	-1:44:46	300	0	3.0	#64 Cluster In	2	
0081.COMP	10	4:21	1:24:19.4	-1:44:46	300	0	3.0	#64 Cluster In	2	
0082.cairnss_034	600	4:22	1:27:55	-2:2:25	300	0	3.0	#64 Cluster In	2	
0083.COMP	10	4:33	1:27:55	-2:2:25	300	0	3.0	#64 Cluster In	2	
0084.cairnss_035	300	4:33	1:27:16.1	-1:16:19	300	0	3.0	#64 Cluster In	2	
0085.COMP	10	4:39	1:27:16.1	-1:16:19	300	0	3.0	#64 Cluster In	2	
0086.cairnss_036	300	4:39	1:31:12.2	-1:29:18	300	0	3.0	#64 Cluster In	2	
0087.COMP	10	4:45	1:31:12.2	-1:29:18	300	0	3.0	#64 Cluster In	2	
0088.cairnss_037	240	4:46	1:25:49.9	-1:17:34	300	0	3.0	#64 Cluster In	2	
0089.COMP	10	4:51	1:25:49.9	-1:17:34	300	0	3.0	#64 Cluster In	2	
0090.sn2002je	1200	4:53	00:27:22.4	+24:10:59	300	68	3.0	#2 SN Observat	2	
0091.COMP	10	5:14	00:27:22.4	+24:10:59	300	68	3.0	#2 SN Observat	2	
0092.cairnss_038	300	5:15	1:13:41.8	-0:6:10	300	90	3.0	#64 Cluster In	2	
0093.COMP	10	5:21	1:13:41.8	-0:6:10	300	90	3.0	#64 Cluster In	2	
0094.cairnss_039	240	5:21	1:25:44.2	-1:27:24	300	90	3.0	#64 Cluster In	2	
0095.COMP	10	5:26	1:25:44.2	-1:27:24	300	90	3.0	#64 Cluster In	2	

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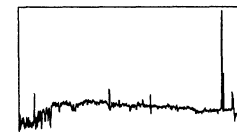
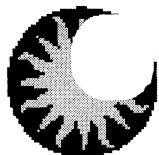
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.cairnss_040	240	5:27	1:25:17.8	-1:31:2	300	90	3.0	#64 Cluster In	2	
0097.COMP	10	5:31	1:25:17.8	-1:31:2	300	90	3.0	#64 Cluster In	2	
0098.cairnss_041	240	5:32	1:25:32	-1:30:9	300	90	3.0	#64 Cluster In	2	
0099.COMP	10	5:37	1:25:32	-1:30:9	300	90	3.0	#64 Cluster In	2	
0100.cairnss_042	240	5:37	1:27:35.8	-1:6:18	300	90	3.0	#64 Cluster In	2	
0101.COMP	10	5:42	1:27:35.8	-1:6:18	300	90	3.0	#64 Cluster In	2	
0102.cairnss_043	300	5:50	1:27:43	-1:8:22	300	90	3.0	#64 Cluster In	2	
0103.COMP	10	5:56	1:27:43	-1:8:22	300	90	3.0	#64 Cluster In	2	
0104.cairnss_044	420	5:56	1:29:47.8	-1:59:1	300	90	3.0	#64 Cluster In	2	
0105.COMP	10	6:04	1:29:47.8	-1:59:1	300	90	3.0	#64 Cluster In	2	
0106.cairnss_045	900	6:05	1:23:21.1	-1:58:35	300	90	3.0	#64 Cluster In	2	
0107.COMP	10	6:20	1:23:21.1	-1:58:35	300	90	3.0	#64 Cluster In	2	
0108.cairnss_046	420	6:21	1:26:2.5	-1:13:32	300	90	3.0	#64 Cluster In	2	
0109.COMP	10	6:28	1:26:2.5	-1:13:32	300	90	3.0	#64 Cluster In	2	
0110.cairnss_047	240	6:29	1:27:56.9	2:8:32	300	90	3.0	#64 Cluster In	2	
0111.COMP	10	6:33	1:27:56.9	2:8:32	300	90	3.0	#64 Cluster In	2	
0112.cairnss_048	420	6:34	1:28:12.9	-1:54:55	300	90	3.0	#64 Cluster In	2	
0113.COMP	10	6:41	1:28:12.9	-1:54:55	300	90	3.0	#64 Cluster In	2	
0114.cairnss_049	300	6:42	1:24:53.7	-1:30:2	300	90	3.0	#64 Cluster In	2	
0115.COMP	10	6:47	1:24:53.7	-1:30:2	300	90	3.0	#64 Cluster In	2	

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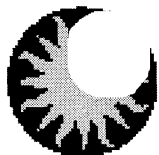
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.cairnss_050	330	6:48	1:27:16.1	-1:58:15	300	90	3.0	#64 Cluster In	2	
0117.COMP	10	6:54	1:27:16.1	-1:58:15	300	90	3.0	#64 Cluster In	2	
0118.cairnsk_096	1200	6:56	4:22:41.7	-14:18:41	300	90	3.0	#64 Cluster In	2	
0119.COMP	10	7:16	4:22:41.7	-14:18:41	300	90	3.0	#64 Cluster In	2	
0120.cairnsk_097	1200	7:17	4:42:18.7	-15:5:7	300	90	3.0	#64 Cluster In	2	
0121.COMP	10	7:39	4:42:18.7	-15:5:7	300	90	3.0	#64 Cluster In	2	
0122.cairnsk_098	1200	7:40	4:39:28.2	-15:22:8	300	90	3.0	#64 Cluster In	2	
0123.COMP	10	8:00	4:39:28.2	-15:22:8	300	90	3.0	#64 Cluster In	2	
0124.cairnsk_099	1200	8:01	4:35:33.4	-15:50:17	300	90	3.0	#64 Cluster In	2	
0125.COMP	10	8:22	4:35:33.4	-15:50:17	300	90	3.0	#64 Cluster In	2	
0126.cairnsk_100	1200	8:23	4:40:13	-11:21:15	300	90	3.0	#64 Cluster In	2	
0127.COMP	10	8:43	4:40:13	-11:21:15	300	90	3.0	#64 Cluster In	2	
0128.cairnsk_101	1200	8:44	4:31:29.3	-11:57:39	300	90	3.0	#64 Cluster In	2	
0129.COMP	10	9:04	4:31:29.3	-11:57:39	300	90	3.0	#64 Cluster In	2	
0130.Akn120	420	9:07	05:13:38.0	-00:12:15	300	25	3.0	#6 AGN Monitor	2	
0131.COMP	10	9:15	05:13:38.0	-00:12:15	300	25	3.0	#6 AGN Monitor	2	
0132.vso-41755	720	9:17	06:11:59.4	-5:21:05	300	10	3.0	#112 Orion PMS	2	
0133.COMP	10	9:32	06:11:59.4	-5:21:05	300	10	3.0	#112 Orion PMS	2	
0134.vso-41896	720	9:35	06:12:08.2	-5:17:12	300	10	3.0	#112 Orion PMS	2	high winds
0135.COMP	10	9:47	06:12:08.2	-5:17:12	300	10	3.0	#112 Orion PMS	2	

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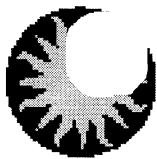
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0136.vso-42231	900	9:48	06:12:32.9	-5:39:25	300	10	3.0	#112 Orion PMS	2	
0137.COMP	10	10:03	06:12:32.9	-5:39:25	300	10	3.0	#112 Orion PMS	2	
0138.vso-52516	720	10:04	06:21:23.1	-5:13:58	300	10	3.0	#112 Orion PMS	2	
0139.COMP	10	10:17	06:21:23.1	-5:13:58	300	10	3.0	#112 Orion PMS	2	
0140.vso-58673	1200	10:18	06:25:35.2	-4:46:19	300	25	3.0	#112 Orion PMS	2	clouds moving in
0141.COMP	10	10:38	06:25:35.2	-4:46:19	300	25	3.0	#112 Orion PMS	2	
0142.vso-63534	720	10:41	06:28:37.9	-4:58:55	300	25	3.0	#112 Orion PMS	2	
0143.COMP	10	10:53	06:28:37.9	-4:58:55	300	25	3.0	#112 Orion PMS	2	
0144.Hiltner600	90	10:54	06:42:37.2	02:11:25	300	25	3.0	#56 Spectropho	2	
0145.Hiltner600	180	10:55	06:42:37.2	02:11:25	300	25	3.0	#56 Spectropho	2	
0146.COMP	10	10:59	06:42:37.2	02:11:25	300	25	3.0	#56 Spectropho	2	
0147-0156.FLAT	16	11:05	06:42:37.2	02:11:25	300	25	3.0	#112 Orion PMS	2	
0157-0166.BIAS	0	11:08	06:42:37.2	02:11:25	300	25	3.0	#112 Orion PMS	2	
0167-0176.DARK	1200	14:10	06:42:37.2	02:11:25	300	25	3.0	#112 Orion PMS	2	

UT Date 2002-11-29 Observers P BerlindColl. Focus 965 Grating/Grism 300

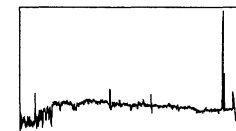
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0001-0010.DARK	1200	1:16	06:42:37.2	02:11:25	300	90	3.0	#112 Orion PMS	2	
0011-0020.BIAS	0	6:07	06:42:37.2	02:11:25	300	90	3.0	#112 Orion PMS	4	
0021-0030.FLAT	8	6:10	06:42:37.2	02:11:25	300	90	3.0	#112 Orion PMS	4	
0031-0040.BIAS	0	6:13	06:42:37.2	02:11:25	300	90	3.0	#112 Orion PMS	2	
0041-0050.FLAT	16	6:18	06:42:37.2	02:11:25	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	1:24	22:49:53.6	+31:29:24	300	90	3.0	#112 Orion PMS	4	
0002.DARK	900	1:39	23:05:04.5	+31:29:23	300	90	3.0	#112 Orion PMS	4	
0003-0008.DARK	900	3:09	00:35:56.1	+31:29:22	300	90	3.0	#112 Orion PMS	4	
0009.DARK	900	3:24	00:51:07.1	+31:29:23	300	90	3.0	#112 Orion PMS	4	
0010.DARK	900	3:40	01:06:14.6	+31:29:24	300	90	3.0	#112 Orion PMS	4	
0011-0020.BIAS	0	10:05	07:17:42.1	+31:30:44	300	90	3.0	#112 Orion PMS	4	
0021-0030.FLAT	6	10:08	07:20:40.5	+31:30:45	300	90	3.0	#112 Orion PMS	4	
0031-0034.BIAS	0	10:09	07:22:02.9	+31:30:45	300	90	3.0	#112 Orion PMS	2	
0035-0040.BIAS	0	10:11	07:23:20.8	+31:30:46	300	90	3.0	#112 Orion PMS	2	
0041-0045.FLAT	12	10:13	07:25:57.2	+31:30:46	300	90	3.0	#112 Orion PMS	2	
0046-0050.FLAT	12	10:15	07:28:03.0	+31:30:47	300	90	3.0	#112 Orion PMS	2	
0051.DARK	900	10:16	07:43:53.8	+31:30:51	300	90	3.0	#112 Orion PMS	2	
0052.DARK	900	10:31	07:59:09.8	+31:30:54	300	90	3.0	#112 Orion PMS	2	
0053.DARK	900	10:47	08:14:21.9	+31:30:58	300	90	3.0	#112 Orion PMS	2	
0054.DARK	900	11:02	08:29:37.5	+31:31:01	300	90	3.0	#112 Orion PMS	2	
0055.DARK	900	11:17	08:44:53.2	+31:31:04	300	90	3.0	#112 Orion PMS	2	
0056.DARK	900	11:32	09:00:09.2	+31:31:07	300	90	3.0	#112 Orion PMS	2	
0057.DARK	900	11:47	09:15:25.1	+31:31:10	300	90	3.0	#112 Orion PMS	2	
0058.DARK	900	12:03	09:30:41.0	+31:31:13	300	90	3.0	#112 Orion PMS	2	
0059.DARK	900	12:18	09:45:53.3	+31:31:15	300	90	3.0	#112 Orion PMS	2	

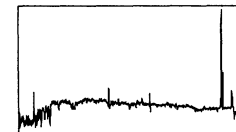
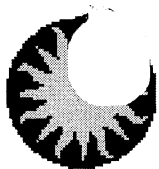
UT Date 2002-11-30 Observers M GalkinsColl. Focus 965 Grating/Grism 300

<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>
0060.DARK	900	12:33	10:01:09.3	+31:31:17	300	90	3.0	#112 Orion PMS	2	

UT Date 2002-12-01 Observers M CalkinsColl. Focus 965 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:59	20:28:34.0	+31:29:45	300	90	3.0	#112 Orion PMS	4	
0002.DARK	900	23:14	20:43:41.5	+31:29:42	300	90	3.0	#112 Orion PMS	4	
0003.DARK	900	23:29	20:58:52.7	+31:29:39	300	90	3.0	#112 Orion PMS	4	
0004.DARK	900	23:44	21:14:00.3	+31:29:37	300	90	3.0	#112 Orion PMS	4	
0005.DARK	900	23:59	21:29:10.9	+31:29:34	300	90	3.0	#112 Orion PMS	4	
0006.DARK	900	0:14	21:44:18.3	+31:29:32	300	90	3.0	#112 Orion PMS	4	
0007.DARK	900	0:29	21:59:29.7	+31:29:30	300	90	3.0	#112 Orion PMS	4	
0008.DARK	900	0:44	22:14:36.9	+31:29:28	300	90	3.0	#112 Orion PMS	4	
0009.DARK	900	1:00	22:29:47.8	+31:29:26	300	90	3.0	#112 Orion PMS	4	
0010.DARK	900	1:15	22:44:55.0	+31:29:25	300	90	3.0	#112 Orion PMS	4	
0011-0020.BIAS	0	1:34	22:49:41.3	+31:29:24	300	90	3.0	#112 Orion PMS	4	
0021-0030.FLAT	6	1:37	22:52:26.4	+31:29:24	300	90	3.0	#112 Orion PMS	4	
0031-0040.BIAS	0	2:22	23:37:52.2	+31:29:22	300	90	3.0	#112 Orion PMS	2	
0041-0050.FLAT	12	2:41	23:56:23.2	+31:29:22	300	90	3.0	#112 Orion PMS	2	
0051.DARK	900	12:14	09:46:17.5	+31:31:15	300	90	3.0	#112 Orion PMS	2	
0052.DARK	900	12:29	10:01:33.4	+31:31:17	300	90	3.0	#112 Orion PMS	2	
0053.DARK	900	12:45	10:16:49.3	+31:31:19	300	90	3.0	#112 Orion PMS	2	
0054.DARK	900	13:00	10:32:05.0	+31:31:21	300	90	3.0	#112 Orion PMS	2	
0055.DARK	900	13:15	10:47:21.0	+31:31:22	300	90	3.0	#112 Orion PMS	2	
0056.DARK	900	13:30	11:02:33.4	+31:31:23	300	90	3.0	#112 Orion PMS	2	



UT Date 2002-12-01 Observers M CalkinsColl. Focus 965 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>
0057.DARK	900	13:46	11:17:49.2	+31:31:24	300	90	3.0	#112 Orion PMS	2	
0058-0060.DARK	900	14:31	12:03:36.9	+31:31:25	300	90	3.0	#112 Orion PMS	2	