

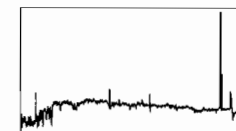
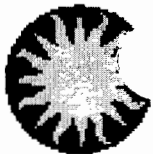
UT Date 2004-02-13 Observers M CalkinsColl. Focus 920 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	0:55	03:15:24.0	+31:28:51	300	90	3.0	#149 Black Hol	4	
0002.DARK	900	1:10	03:30:34.6	+31:28:55	300	90	3.0	#149 Black Hol	4	
0003.DARK	900	1:25	03:45:45.0	+31:28:59	300	90	3.0	#149 Black Hol	4	
0004.DARK	900	1:40	04:00:52.3	+31:29:03	300	90	3.0	#149 Black Hol	4	
0005-0014.BIAS	0	1:57	04:02:32.0	+31:29:04	300	90	3.0	#149 Black Hol	4	
0015-0018.FLAT	6	1:58	04:04:34.4	+31:29:04	300	90	3.0	#149 Black Hol	4	
0019-0024.FLAT	6	2:00	04:05:52.9	+31:29:05	300	90	3.0	#149 Black Hol	4	
0025-0031.BIAS	0	2:02	04:07:54.7	+31:29:05	300	90	3.0	#149 Black Hol	2	
0032-0034.BIAS	0	2:03	04:08:33.8	+31:29:06	300	90	3.0	#149 Black Hol	2	
0035-0040.FLAT	12	2:05	04:11:11.3	+31:29:06	300	90	3.0	#149 Black Hol	2	
0041-0044.FLAT	12	2:07	04:12:51.3	+31:29:07	300	90	3.0	#149 Black Hol	2	
0045.HD19445	15	2:16	03:08:25.6	26:19:51	300	67	3.0	#56 Spectropho	2	
0046.HD19445	15	2:17	03:08:25.6	26:19:51	300	67	3.0	#56 Spectropho	2	
0047.COMP	12	2:18	03:08:25.6	26:19:51	300	67	3.0	#56 Spectropho	2	
0048.Akn120	420	2:25	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0049.COMP	12	2:33	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0050.c10228p2325	1200	2:42	02:28:22.3	+23:25:48	300	90	3.0	#150 Distant C	2	very faint
0051.c10228p2325	1200	3:02	02:28:22.3	+23:25:48	300	90	3.0	#150 Distant C	2	
0052.COMP	12	3:23	02:28:22.3	+23:25:48	300	90	3.0	#150 Distant C	2	
0053.vso-24306	420	3:29	05:46:45.0	-05:38:37	300	90	3.0	#112 Orion PMS	2	need more counts

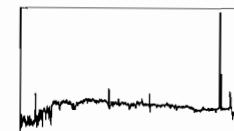
chip gain a little low when done in separate batches
too low when slats from B + E of night are combined.

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0054.COMP	12	3:37	05:46:45.0	-05:38:37	300	90	3.0	#112 Orion PMS	2	
0055.vso-24306	900	3:38	05:46:45.0	-05:38:37	300	90	3.0	#112 Orion PMS	2	
0056.COMP	12	3:53	05:46:45.0	-05:38:37	300	90	3.0	#112 Orion PMS	2	
0057.vso-29508	830	3:54	05:55:39.0	-04:51:49	300	90	3.0	#112 Orion PMS	2	
0058.vso-29508	830	4:10	05:55:39.0	-04:51:49	300	90	3.0	#112 Orion PMS	2	
0059.COMP	12	4:24	05:55:39.0	-04:51:49	300	90	3.0	#112 Orion PMS	2	
0060.vso-30490	1200	4:25	05:57:16.8	-04:44:03	300	90	3.0	#112 Orion PMS	2	
0061.COMP	12	4:46	05:57:16.8	-04:44:03	300	90	3.0	#112 Orion PMS	2	
0062.vso-74491	960	4:47	05:29:41.1	+01:17:39	300	90	3.0	#112 Orion PMS	2	
0063.COMP	12	5:04	05:29:41.1	+01:17:39	300	90	3.0	#112 Orion PMS	2	
0064.qvso1b-45015	480	5:05	05:35:50.2	+00:04:11	300	90	3.0	#112 Orion PMS	2	
0065.COMP	12	5:13	05:35:50.2	+00:04:11	300	90	3.0	#112 Orion PMS	2	
0066.vso-100155	1020	5:15	05:44:11.9	+01:17:46	300	90	3.0	#112 Orion PMS	2	
0067.COMP	12	5:33	05:44:11.9	+01:17:46	300	90	3.0	#112 Orion PMS	2	
0068.vso-100396	1200	5:35	05:44:20.7	+01:16:19	300	90	3.0	#112 Orion PMS	2	
0069.COMP	12	5:55	05:44:20.7	+01:16:19	300	90	3.0	#112 Orion PMS	2	
0070.BGGem	300	5:57	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0071.COMP	12	6:03	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0072.BGGem	1200	6:03	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0073.COMP	12	6:24	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0074.MRK110	360	6:26	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0075.COMP	12	6:32	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0076.090106p22060.c	1920	6:36	9:3:46.1	21:51:42	300	-35	3.0	#113 Interacti	2	
0077.COMP	12	7:09	9:3:46.1	21:51:42	300	-35	3.0	#113 Interacti	2	
0078.085942p26080.c	1920	7:12	9:2:52.8	25:56:12	300	110	3.0	#113 Interacti	2	
0079.085942p26080.c	1920	7:44	9:2:52.8	25:56:12	300	110	3.0	#113 Interacti	2	
0080.COMP	12	8:17	9:2:52.8	25:56:12	300	110	3.0	#113 Interacti	2	
0081.091130p41050.d	2100	8:21	9:14:35.0	40:54:53	300	-40	3.0	#113 Interacti	2	
0082.COMP	12	8:57	9:14:35.0	40:54:53	300	-40	3.0	#113 Interacti	2	
0083.091130p41050.e	1200	9:02	9:14:33.1	40:54:40	300	0	3.0	#113 Interacti	2	
0084.091130p41050.e	1200	9:22	9:14:33.1	40:54:40	300	0	3.0	#113 Interacti	2	
0085.COMP	12	9:43	9:14:33.1	40:54:40	300	0	3.0	#113 Interacti	2	
0086.HD84937	7	9:46	09:48:56.1	13:44:39	300	52	3.0	#56 Spectropho	2	
0087.HD84937	7	9:47	09:48:56.1	13:44:39	300	52	3.0	#56 Spectropho	2	
0088.COMP	12	9:47	09:48:56.1	13:44:39	300	52	3.0	#56 Spectropho	2	
0089.sn2004T	1200	9:53	10:56:10.2	47:23:43	300	-42	3.0	#2 SN Observat	2	
0090.COMP	12	10:13	10:56:10.2	47:23:43	300	-42	3.0	#2 SN Observat	2	
0091.sn2004U	1200	10:18	11:07:18.8	28:32:23	300	-42	3.0	#2 SN Observat	2	
0092.COMP	12	10:38	11:07:18.8	28:32:23	300	-42	3.0	#2 SN Observat	2	
0093.sn2004V	900	10:44	14:50:55.3	17:13:12	300	-45	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0094.sn2004V	900	10:59	14:50:55.3	17:13:12	300	-45	3.0	#2 SN Observat	2	
0095.COMP	12	11:15	14:50:55.3	17:13:12	300	-45	3.0	#2 SN Observat	2	
0096.sn2004VHOST	1200	11:18	14:50:55.3	17:13:12	300	90	3.0	#2 SN Observat	2	
0097.COMP	12	11:38	14:50:55.3	17:13:12	300	90	3.0	#2 SN Observat	2	
0098.Feige34	70	11:41	10:36:41.2	43:21:50	300	93	3.0	#56 Spectropho	2	
0099.COMP	12	11:43	10:36:41.2	43:21:50	300	93	3.0	#56 Spectropho	2	
0100.cairnsk5_001	420	11:45	12:53:36.3	29:57:43	300	91	3.0	#64 Cluster In	2	clouds, try again
0101.COMP	12	11:52	12:53:36.3	29:57:43	300	91	3.0	#64 Cluster In	2	
0102.cairnsk5_001	960	11:53	12:53:36.3	29:57:43	300	91	3.0	#64 Cluster In	2	
0103.COMP	12	12:09	12:53:36.3	29:57:43	300	91	3.0	#64 Cluster In	2	
0104.cairnsk5_003	960	12:11	12:47:40.8	24:55:39	300	91	3.0	#64 Cluster In	2	
0105.COMP	12	12:28	12:47:40.8	24:55:39	300	91	3.0	#64 Cluster In	2	
0106.cairnsk5_004	900	12:29	12:56:50.4	30:16:43	300	91	3.0	#64 Cluster In	2	
0107.COMP	12	12:44	12:56:50.4	30:16:43	300	91	3.0	#64 Cluster In	2	
0108.cairnsk5_005	420	12:46	12:58:55.2	27:57:52	300	91	3.0	#64 Cluster In	2	
0109.COMP	12	12:53	12:58:55.2	27:57:52	300	91	3.0	#64 Cluster In	2	
0110.cairnsk5_006	600	12:55	13:0:5.9	33:59:38	300	91	3.0	#64 Cluster In	2	
0111.COMP	12	13:05	13:0:5.9	33:59:38	300	91	3.0	#64 Cluster In	2	
0112.FineFoc	60	13:08	14:54:52.5	31:25:24	300	90	3.0	#2 SN Observat	1	
0113.BDp332642	70	13:15	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	

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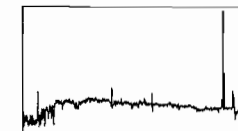
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0114.COMP	12	13:17	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0115-0124.BIAS	0	13:19	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0125-0134.FLAT	6	13:22	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0135-0144.BIAS	0	13:25	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0145-0154.FLAT	12	13:29	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0155-0164.DARK	900	15:48	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	

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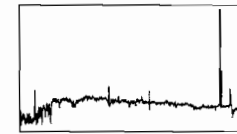
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	0:03	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	0:56	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0021-0030.FLAT	6	0:59	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0031-0040.BIAS	0	1:02	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0041-0050.FLAT	12	1:06	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0051-0055.sky	2	1:23	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0056.COMP	5	1:24	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0057.Hiltner600	45	1:53	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0058.Hiltner600	45	1:53	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0059.COMP	5	1:55	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0060.Hiltner600	45	1:56	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0061.Hiltner600	45	1:57	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0062.COMP	12	1:59	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0063.WEIN_026	600	2:13	04:39:58.3	49:20:51	300	90	3.0	#68 2MASS Reds	2	
0064.COMP	12	2:24	04:39:58.3	49:20:51	300	90	3.0	#68 2MASS Reds	2	
0065.WEIN_027	720	2:26	4:40:2.5	49:18:51	300	90	3.0	#68 2MASS Reds	2	get again
0066.COMP	12	2:38	4:40:2.5	49:18:51	300	90	3.0	#68 2MASS Reds	2	
0067.WEIN_027	900	2:39	4:40:2.5	49:18:51	300	90	3.0	#68 2MASS Reds	2	
0068.COMP	12	2:54	4:40:2.5	49:18:51	300	90	3.0	#68 2MASS Reds	2	
0069.2MJ02041168+3509221	420	2:57	02:04:11.6	+35:09:22	300	90	3.0	#68 2MASS Reds	2	

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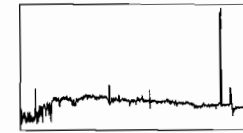
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.COMP	12	3:04	02:04:11.6	+35:09:22	300	90	3.0	#68 2MASS Reds	2	
0071.2MJ03382239+4222252	300	3:10	03:38:22.3	+42:22:25	300	90	3.0	#68 2MASS Reds	2	
0072.COMP	12	3:16	03:38:22.3	+42:22:25	300	90	3.0	#68 2MASS Reds	2	
0073.2MJ0342493+313838	1200	3:23	3:42:49.3	31:38:38	300	90	3.0	#68 2MASS Reds	2	
0074.2MJ0342493+313838	1200	3:43	3:42:49.3	31:38:38	300	90	3.0	#68 2MASS Reds	2	
0075.COMP	12	4:04	3:42:49.3	31:38:38	300	90	3.0	#68 2MASS Reds	2	
0076.2M0429260+151944	900	4:09	4:29:26	15:19:44	300	90	3.0	#68 2MASS Reds	2	
0077.COMP	12	4:25	4:29:26	15:19:44	300	90	3.0	#68 2MASS Reds	2	
0078.2M0431584+733837	480	4:28	4:31:58.4	73:38:37	300	90	3.0	#68 2MASS Reds	2	
0079.COMP	12	4:37	4:31:58.4	73:38:37	300	90	3.0	#68 2MASS Reds	2	
0080.sn2003kf	1200	5:09	06:04:35.4	-12:37:42	300	21	3.0	#2 SN Observat	2	
0081.COMP	12	5:29	06:04:35.4	-12:37:42	300	21	3.0	#2 SN Observat	2	
0082.HD84937	5	5:36	09:48:56.1	13:44:39	300	-40	3.0	#56 Spectropho	2	
0083.HD84937	5	5:36	09:48:56.1	13:44:39	300	-40	3.0	#56 Spectropho	2	
0084.COMP	12	5:37	09:48:56.1	13:44:39	300	-40	3.0	#56 Spectropho	2	
0085.Hiltner600	20	5:45	06:42:37.2	02:11:25	300	90	5.0	#56 Spectropho	2	5 arcsec slit
0086.Hiltner600	20	5:46	06:42:37.2	02:11:25	300	90	5.0	#56 Spectropho	2	
0087.COMP	7	5:46	06:42:37.2	02:11:25	300	90	5.0	#56 Spectropho	2	
0088.Feige34	40	5:49	10:36:41.2	43:21:50	300	90	5.0	#56 Spectropho	2	
0089.Feige34	40	5:50	10:36:41.2	43:21:50	300	90	5.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.COMP	7	5:51	10:36:41.2	43:21:50	300	90	5.0	#56 Spectropho	2	
0091-0100.FLAT	7	5:56	10:36:41.2	43:21:50	300	90	5.0	#56 Spectropho	2	
0101.Feige34	120	6:10	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	2 arcsec slit, 600L, tilt=440
0102.COMP	10	6:13	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0103.hs1725	600	6:14	10:44:47.3	34:29:50	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	6:25	10:44:47.3	34:29:50	600	90	2.0	#122 Halo Star	4	
0105.hs1726	534	6:26	10:44:48.6	39:35:35	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	6:35	10:44:48.6	39:35:35	600	90	2.0	#122 Halo Star	4	
0107.hs1727	500	6:37	10:44:59.7	25:10:51	600	90	2.0	#122 Halo Star	4	thin clouds, get again
0108.COMP	10	6:46	10:44:59.7	25:10:51	600	90	2.0	#122 Halo Star	4	
0109.hs1727	600	6:49	10:44:59.7	25:10:51	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	6:59	10:44:59.7	25:10:51	600	90	2.0	#122 Halo Star	4	
0111.hs1728	600	7:00	10:46:29.2	18:45:09	600	90	2.0	#122 Halo Star	4	bah! get again!
0112.COMP	10	7:11	10:46:29.2	18:45:09	600	90	2.0	#122 Halo Star	4	
0113.hs1728	1200	7:11	10:46:29.2	18:45:09	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	7:32	10:46:29.2	18:45:09	600	90	2.0	#122 Halo Star	4	
0115.FLAT	40	7:36	10:47:18.1	29:34:49	600	90	2.0	#56 Spectropho	4	take flats while clouds move through
0116-0124.FLAT	40	7:43	10:47:18.1	29:34:49	600	90	2.0	#56 Spectropho	4	
0125.hs1729	480	7:54	10:47:18.1	29:34:49	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	8:02	10:47:18.1	29:34:49	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0127.hs1730	600	10:47:18.4	25:24:15	600	90	2.0	#122 Halo Star	4	wait out more clouds...
0128.COMP	10	10:47:18.4	25:24:15	600	90	2.0	#122 Halo Star	4	
0129.sn2004L	1200	10:27:04.1	+16:01:07	300	60	3.0	#2 SN Observat	2	combo setup
0130.COMP	12	10:27:04.1	+16:01:07	300	60	3.0	#2 SN Observat	2	
0131.2004X1	1200	11:43:28.2	21:40:30	300	60	3.0	#2 SN Observat	2	
0132.COMP	12	11:43:28.2	21:40:30	300	60	3.0	#2 SN Observat	2	
0133.2004X1_HOST	540	11:43:28.2	21:40:30	300	60	3.0	#2 SN Observat	2	clouds...try again
0134.COMP	12	11:43:28.2	21:40:30	300	60	3.0	#2 SN Observat	2	
0135.2004X1_HOST	1020	11:43:28.2	21:40:30	300	60	3.0	#2 SN Observat	2	
0136.COMP	12	11:43:28.2	21:40:30	300	60	3.0	#2 SN Observat	2	
0137.cairnsk5_007	480	13:10:42	28:38:6	300	90	3.0	#64 Cluster In	2	clouds, get again...
0138.COMP	12	13:10:42	28:38:6	300	90	3.0	#64 Cluster In	2	
0139.cairnsk5_007	900	13:10:42	28:38:6	300	90	3.0	#64 Cluster In	2	
0140.COMP	12	13:10:42	28:38:6	300	90	3.0	#64 Cluster In	2	
0141.cairnsk5_008	1020	12:42:21.6	32:14:18	300	90	3.0	#64 Cluster In	2	
0142.COMP	12	12:42:21.6	32:14:18	300	90	3.0	#64 Cluster In	2	
0143.cairnsk5_009	1020	13:16:30.1	30:16:21	300	90	3.0	#64 Cluster In	2	
0144.COMP	12	13:16:30.1	30:16:21	300	90	3.0	#64 Cluster In	2	
0145.FineFoc	60	14:54:52.5	31:25:24	300	90	3.0	#2 SN Observat	1	
0146.BDp332642	60	15:50:03.0	33:05:49	300	75	3.0	#56 Spectropho	2	

UT Date 2004-02-14 Observers M CalkinsColl. Focus 920 Grating/Grism 300

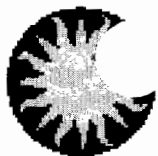
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0147.BDp332642	60	13:20	15:50:03.0	33:05:49	300	75	3.0	#56 Spectropho	2	
0148.COMP	12	13:21	15:50:03.0	33:05:49	300	75	3.0	#56 Spectropho	2	
0149-0158.BIAS	0	13:26	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0159-0168.FLAT	6	13:31	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0169-0178.BIAS	0	13:35	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0179-0188.FLAT	12	13:40	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0189-0198.DARK	900	16:01	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	

UT Date 2004-02-15 Observers M CalkinsColl. Focus 920 Grating/Grism 300

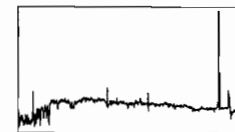
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	1:10	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	1:43	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0021-0030.FLAT	6	1:45	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	4	
0031-0040.BIAS	0	1:48	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0041-0050.FLAT	12	1:52	15:50:03.0	33:05:49	300	90	3.0	#2 SN Observat	2	
0051.Hiltner600	50	2:15	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0052.Hiltner600	50	2:16	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0053.COMP	5	2:17	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0054.Hiltner600	60	2:18	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0055.Hiltner600	60	2:19	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0056.COMP	12	2:21	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0057.2MJ05471648+0120075	1200	3:20	05:47:16.4	+01:20:07	300	90	3.0	#68 2MASS Reds	2	
0058.COMP	12	3:41	05:47:16.4	+01:20:07	300	90	3.0	#68 2MASS Reds	2	
0059.2M060148.1+164443	1200	6:15	06:01:48.1	+16:44:43	300	50	3.0	#68 2MASS Reds	2	
0060.COMP	12	6:35	06:01:48.1	+16:44:43	300	50	3.0	#68 2MASS Reds	2	
0061.2M060216.4+311237	1200	6:39	06:02:16.4	+31:12:37	300	99	3.0	#68 2MASS Reds	2	
0062.COMP	12	6:59	06:02:16.4	+31:12:37	300	99	3.0	#68 2MASS Reds	2	
0063.MRK421	480	8:33	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0064.MRK421	480	8:41	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0065.COMP	12	8:55	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	observing through clouds

UT Date 2004-02-15 Observers M CalkinsColl. Focus 920 Grating/Grism 300

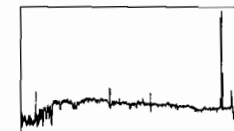
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.TXCVn	10	9:29	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0067.TXCVn	30	9:29	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0068.COMP	12	9:30	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0069.MRK110	360	9:32	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0070.COMP	12	9:39	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0071.N3227	150	9:41	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0072.N3227	150	9:44	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0073.COMP	12	9:47	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0074.MRK421	300	9:48	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0075.MRK421	300	9:54	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0076.COMP	12	9:59	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0077.Feige34	60	10:11	10:36:41.2	43:21:50	300	110	3.0	#2 SN Observat	2	tilt=567
0078.Feige34	60	10:12	10:36:41.2	43:21:50	300	110	3.0	#2 SN Observat	2	
0079.COMP	12	10:14	10:36:41.2	43:21:50	300	110	3.0	#2 SN Observat	2	
0080.Feige34	180	10:15	10:36:41.2	43:21:50	300	110	3.0	#2 SN Observat	2	
0081.Feige34	180	10:18	10:36:41.2	43:21:50	300	110	3.0	#2 SN Observat	2	
0082.COMP	12	10:21	10:36:41.2	43:21:50	300	110	3.0	#2 SN Observat	2	
0083.Feige34	60	10:25	10:36:41.2	43:21:50	300	110	3.0	#2 SN Observat	2	
0084.Feige34	60	10:27	10:36:41.2	43:21:50	300	110	3.0	#2 SN Observat	2	
0085.COMP	12	10:28	10:36:41.2	43:21:50	300	110	3.0	#2 SN Observat	2	

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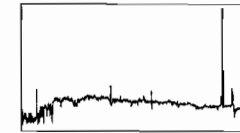
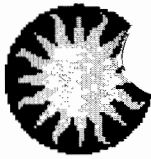
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.Feige66	30	10:34	12:34:54.7	25:20:31	300	17	3.0	#2 SN Observat	2	
0087.Feige66	30	10:34	12:34:54.7	25:20:31	300	17	3.0	#2 SN Observat	2	
0088.COMP	12	10:35	12:34:54.7	25:20:31	300	17	3.0	#2 SN Observat	2	
0089-0098.FLAT	16	10:49	12:34:54.7	25:20:31	300	90	3.0	#2 SN Observat	2	
0099.115954p29450_b	1500	10:55	12:2:32.3	29:28:37	300	90	3.0	#113 Interacti	2	back to combo setup
0100.115954p29450_b	1500	11:20	12:2:32.3	29:28:37	300	90	3.0	#113 Interacti	2	
0101.COMP	12	11:45	12:2:32.3	29:28:37	300	90	3.0	#113 Interacti	2	
0102.120018p18170_b	1260	11:47	12:2:52.3	18:0:29	300	90	3.0	#113 Interacti	2	
0103.120018p18170_b	1260	12:08	12:2:52.3	18:0:29	300	90	3.0	#113 Interacti	2	
0104.COMP	12	12:29	12:2:52.3	18:0:29	300	90	3.0	#113 Interacti	2	
0105.131830p09140_b	900	12:31	13:20:57.5	8:59:7	300	90	3.0	#113 Interacti	2	
0106.131830p09140_b	900	12:46	13:20:57.5	8:59:7	300	90	3.0	#113 Interacti	2	
0107.COMP	12	13:02	13:20:57.5	8:59:7	300	90	3.0	#113 Interacti	2	
0108.BDp332642	40	13:04	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0109.BDp332642	40	13:05	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0110.COMP	12	13:06	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0111.FineFoc	60	13:16	14:54:52.5	31:25:24	300	90	3.0	#113 Interacti	1	
0112-0121.BIAS	0	13:31	14:54:52.5	31:25:24	300	90	3.0	#113 Interacti	4	
0122-0131.FLAT	6	13:35	14:54:52.5	31:25:24	300	90	3.0	#113 Interacti	4	
0132-0141.BIAS	0	13:38	14:54:52.5	31:25:24	300	90	3.0	#113 Interacti	2	

UT Date 2004-02-15 Observer CalkinsColl. Focus 920 Grating/Grism 300

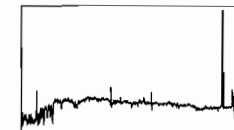
<i>File</i>	<i>Exp Time</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0142-0151.FLAT	12 :	14:54:52.5	31:25:24	300	90	3.0	#113 Interacti	2	
0152-0161.DARK	900 :	14:54:52.5	31:25:24	300	90	3.0	#113 Interacti	2	

UT Date 2004-02-16 Observers P BerlindColl. Focus 980 Grating/Grism 300

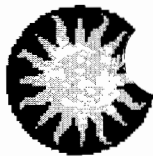
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0003.COMP	5	1:11	03:28:41.1	+31:28:55	300	90	3.0	#113 Interacti	4	
0004-0010.BIAS	0	1:14	03:31:25.2	+31:28:55	300	90	3.0	#113 Interacti	4	
0011-0013.BIAS	0	1:14	03:31:46.8	+31:28:56	300	90	3.0	#113 Interacti	4	
0014-0023.FLAT	8	1:17	03:35:14.7	+31:28:56	300	90	3.0	#113 Interacti	4	
0024-0033.BIAS	0	1:20	03:37:28.5	+31:28:57	300	90	3.0	#113 Interacti	2	
0034-0035.FLAT	16	1:21	03:38:41.9	+31:28:57	300	90	3.0	#113 Interacti	2	
0036-0041.FLAT	16	1:24	03:42:18.0	+31:28:58	300	90	3.0	#113 Interacti	2	
0042-0043.FLAT	16	1:25	03:43:31.3	+31:28:59	300	90	3.0	#113 Interacti	2	
0044.HD19445	10	2:01	03:08:25.6	26:19:51	300	90	3.0	#56 Spectropho	2	
0045.HD19445	10	2:01	03:08:25.6	26:19:51	300	90	3.0	#56 Spectropho	2	
0046.HD19445	10	2:02	03:08:25.6	26:19:51	300	90	3.0	#56 Spectropho	2	
0047.HD19445	10	2:02	03:08:25.6	26:19:51	300	90	3.0	#56 Spectropho	2	
0048.HD19445	10	2:02	03:08:25.6	26:19:51	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	2:03	03:08:25.6	26:19:51	300	90	3.0	#56 Spectropho	2	
0050.NGC1700	180	2:07	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0051.COMP	5	2:10	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	4	
0052.2M043852.4+000820	480	2:12	4:38:52.4	+00:8:20	300	90	3.0	#68 2MASS Reds	4	
0053.COMP	5	2:21	4:38:52.4	+00:8:20	300	90	3.0	#68 2MASS Reds	4	
0054.XS00521B0_006	1800	2:24	01:01:23.7	+31:46:08	300	78	3.0	#129 Bright Ch	2	hmmmmmm
0055.COMP	10	2:55	01:01:23.7	+31:46:08	300	78	3.0	#129 Bright Ch	2	

UT Date 2004-02-16 Observers P BerlindColl. Focus 980 Grating/Grism 300

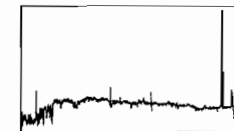
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.2M044127.1+243311	1800	2:57	4:41:27.1	+24:33:11	300	90	3.0	#68 2MASS Reds	2	
0057.COMP	10	3:27	4:41:27.1	+24:33:11	300	90	3.0	#68 2MASS Reds	2	
0058.2M044151.3+244250	1800	3:29	4:41:51.3	+24:42:50	300	90	3.0	#68 2MASS Reds	2	
0059.COMP	10	3:59	4:41:51.3	+24:42:50	300	90	3.0	#68 2MASS Reds	2	
0060.sn2003kf	1500	4:02	06:04:35.4	-12:37:42	300	12	3.0	#2 SN Observat	2	
0061.COMP	10	4:27	06:04:35.4	-12:37:42	300	12	3.0	#2 SN Observat	2	
0062.Hiltner600	60	4:29	06:42:37.2	02:11:25	300	1	3.0	#56 Spectropho	2	
0063.Hiltner600	60	4:30	06:42:37.2	02:11:25	300	1	3.0	#56 Spectropho	2	
0064.Hiltner600	60	4:31	06:42:37.2	02:11:25	300	1	3.0	#56 Spectropho	2	
0065.COMP	10	4:33	06:42:37.2	02:11:25	300	1	3.0	#56 Spectropho	2	
0066.2M044841.7+191928	1200	4:37	4:48:41.7	+19:19:28	300	90	3.0	#68 2MASS Reds	4	
0067.COMP	5	4:57	4:48:41.7	+19:19:28	300	90	3.0	#68 2MASS Reds	4	
0068.2M044949.0+725835	600	5:05	4:49:49.0	+72:58:35	300	90	3.0	#68 2MASS Reds	4	
0069.COMP	5	5:16	4:49:49.0	+72:58:35	300	90	3.0	#68 2MASS Reds	4	
0070.2M045107.6+632014	600	5:17	4:51:7.6	+63:20:14	300	90	3.0	#68 2MASS Reds	4	
0071.COMP	5	5:27	4:51:7.6	+63:20:14	300	90	3.0	#68 2MASS Reds	4	
0072.2M050944.2+194800	1200	5:29	5:9:44.2	+19:48:0	300	90	3.0	#68 2MASS Reds	4	
0073.COMP	5	5:49	5:9:44.2	+19:48:0	300	90	3.0	#68 2MASS Reds	4	
0074.2M052703.1+080148	240	5:50	5:27:3.1	+08:1:48	300	90	3.0	#68 2MASS Reds	4	
0075.COMP	5	5:55	5:27:3.1	+08:1:48	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-02-16 Observers P BerlindColl. Focus 980 Grating/Grism 300

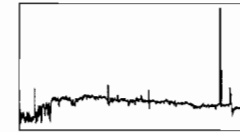
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.2M052802.9+115922	600	5:56	5:28:2.9	+11:59:22	300	90	3.0	#68 2MASS Reds	4	
0077.COMP	5	6:06	5:28:2.9	+11:59:22	300	90	3.0	#68 2MASS Reds	4	
0078.2M054255.6+505038	720	6:08	5:42:55.6	+50:50:38	300	90	3.0	#68 2MASS Reds	4	
0079.COMP	5	6:20	5:42:55.6	+50:50:38	300	90	3.0	#68 2MASS Reds	4	
0080.2M063629.7+053515	1500	6:22	06:36:29.7	+05:35:15	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	6:48	06:36:29.7	+05:35:15	300	90	3.0	#68 2MASS Reds	4	
0082.2M064709.4+105726	660	6:49	06:47:9.4	+10:57:26	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	7:00	06:47:9.4	+10:57:26	300	90	3.0	#68 2MASS Reds	4	
0084.2M064803.7+054754	900	7:01	06:48:3.7	+05:47:54	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	7:16	06:48:3.7	+05:47:54	300	90	3.0	#68 2MASS Reds	4	
0086.2M064847.6+104210	720	7:18	06:48:47.6	+10:42:10	300	70	3.0	#68 2MASS Reds	4	
0087.COMP	5	7:30	06:48:47.6	+10:42:10	300	70	3.0	#68 2MASS Reds	4	
0088.XS02227B2_015	1500	7:32	09:10:47.6	+54:15:08	300	90	3.0	#129 Bright Ch	2	
0089.COMP	10	7:58	09:10:47.6	+54:15:08	300	90	3.0	#129 Bright Ch	2	
0090.sn2004L	1200	8:00	10:27:04.1	+16:01:07	300	0	3.0	#2 SN Observat	2	
0091.COMP	10	8:21	10:27:04.1	+16:01:07	300	0	3.0	#2 SN Observat	2	
0092.XS02227B3_040	360	8:23	09:11:04.2	+54:22:08	300	90	3.0	#129 Bright Ch	2	
0093.COMP	10	8:29	09:11:04.2	+54:22:08	300	90	3.0	#129 Bright Ch	2	
0094.c11039p3947	1200	8:31	10:39:30.5	+39:47:19	300	90	3.0	#150 Distant C	2	
0095.COMP	10	8:51	10:39:30.5	+39:47:19	300	90	3.0	#150 Distant C	2	

UT Date 2004-02-16 Observers P BerlindColl. Focus 980 Grating/Grism 300

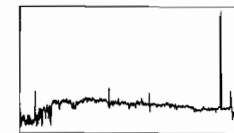
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.cairnsk3_032	720	8:55	13:12:49.1	22:51:51	300	90	3.0	#64f Cluster I	4	
0097.COMP	5	9:07	13:12:49.1	22:51:51	300	90	3.0	#64f Cluster I	4	
0098.cairnsk3_033	540	9:09	13:14:19.4	27:47:37	300	90	3.0	#64f Cluster I	4	
0099.COMP	5	9:18	13:14:19.4	27:47:37	300	90	3.0	#64f Cluster I	4	
0100.cairnsk3_034	540	9:19	13:24:20.8	31:1:4	300	90	3.0	#64f Cluster I	4	
0101.COMP	5	9:28	13:24:20.8	31:1:4	300	90	3.0	#64f Cluster I	4	
0102.cairnsk3_035	900	9:29	13:4:31.5	30:34:17	300	90	3.0	#64f Cluster I	4	
0103.COMP	5	9:44	13:4:31.5	30:34:17	300	90	3.0	#64f Cluster I	4	
0104.cairnsk3_036	540	9:45	13:5:30.7	21:54:36	300	90	3.0	#64f Cluster I	4	
0105.COMP	5	9:54	13:5:30.7	21:54:36	300	90	3.0	#64f Cluster I	4	
0106.cairnsk3_037	420	9:55	12:53:25.7	33:47:36	300	90	3.0	#64f Cluster I	4	
0107.COMP	5	10:02	12:53:25.7	33:47:36	300	90	3.0	#64f Cluster I	4	
0108.cairnsk3_039	420	10:03	12:38:34	27:50:59	300	90	3.0	#64f Cluster I	4	
0109.COMP	5	10:10	12:38:34	27:50:59	300	90	3.0	#64f Cluster I	4	
0110.Feige34	120	10:12	10:36:41.2	43:21:50	300	104	3.0	#56 Spectropho	2	
0111.Feige34	120	10:14	10:36:41.2	43:21:50	300	104	3.0	#56 Spectropho	2	
0112.COMP	10	10:16	10:36:41.2	43:21:50	300	104	3.0	#56 Spectropho	2	
0113.N4051	150	10:17	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0114.N4051	150	10:20	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0115.COMP	5	10:23	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	

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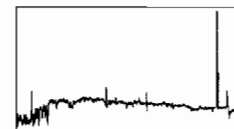
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.N4151	30	10:24	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0117.N4151	30	10:24	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0118.N4151	15	10:25	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0119.COMP	5	10:26	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0120.M87	150	10:27	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0121.M87	150	10:29	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0122.COMP	5	10:33	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0123.cairnsk3_038	720	10:34	13:11:10.2	30:29:2	300	90	3.0	#64f Cluster I	4	
0124.COMP	5	10:46	13:11:10.2	30:29:2	300	90	3.0	#64f Cluster I	4	
0125.cairnsk3_040	720	10:47	13:19:1.6	31:2:50	300	90	3.0	#64f Cluster I	4	
0126.COMP	5	11:00	13:19:1.6	31:2:50	300	90	3.0	#64f Cluster I	4	
0127.cairnsk3_041	600	11:00	13:27:15.6	30:14:10	300	90	3.0	#64f Cluster I	4	
0128.COMP	5	11:10	13:27:15.6	30:14:10	300	90	3.0	#64f Cluster I	4	
0129.cairnsk5_010	720	11:11	12:53:36.6	22:7:50	300	90	3.0	#64 Cluster In	4	
0130.COMP	5	11:24	12:53:36.6	22:7:50	300	90	3.0	#64 Cluster In	4	
0131.cairnsk5_011	600	11:25	12:33:1	27:49:49	300	90	3.0	#64 Cluster In	4	
0132.COMP	5	11:35	12:33:1	27:49:49	300	90	3.0	#64 Cluster In	4	
0133.cairnsk5_012	720	11:36	12:56:1.4	31:3:31	300	90	3.0	#64 Cluster In	4	
0134.COMP	5	11:48	12:56:1.4	31:3:31	300	90	3.0	#64 Cluster In	4	
0135.cairnsk5_013	480	11:49	13:2:44.6	33:53:9	300	90	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0136.COMP	5	11:57	13:2:44.6	33:53:9	300	90	3.0	#64 Cluster In	4	
0137.cairnsk5_014	600	11:58	13:17:56.8	32:9:18	300	90	3.0	#64 Cluster In	4	
0138.COMP	5	12:08	13:17:56.8	32:9:18	300	90	3.0	#64 Cluster In	4	
0139.cairnsk5_015	360	12:09	13:7:43.1	27:30:34	300	90	3.0	#64 Cluster In	4	
0140.COMP	5	12:15	13:7:43.1	27:30:34	300	90	3.0	#64 Cluster In	4	
0141.cairnsk5_016	600	12:16	12:54:40	32:22:3	300	90	3.0	#64 Cluster In	4	
0142.COMP	5	12:26	12:54:40	32:22:3	300	90	3.0	#64 Cluster In	4	
0143.cairnsk5_017	480	12:27	12:36:13.5	26:38:43	300	90	3.0	#64 Cluster In	4	
0144.COMP	5	12:35	12:36:13.5	26:38:43	300	90	3.0	#64 Cluster In	4	
0145.cairnsk5_018	360	12:36	13:9:23.1	32:41:46	300	90	3.0	#64 Cluster In	4	
0146.COMP	5	12:42	13:9:23.1	32:41:46	300	90	3.0	#64 Cluster In	4	
0147.cairnsk5_019	720	12:43	13:12:28.1	28:19:44	300	90	3.0	#64 Cluster In	4	
0148.COMP	5	12:56	13:12:28.1	28:19:44	300	90	3.0	#64 Cluster In	4	
0149.cairnsk5_020	360	12:57	12:38:50.2	25:8:45	300	90	3.0	#64 Cluster In	4	
0150.COMP	5	13:03	12:38:50.2	25:8:45	300	90	3.0	#64 Cluster In	4	
0151.N5548	150	13:04	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0152.N5548	150	13:06	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0153.COMP	5	13:09	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0154-0163.BIAS	0	13:12	14:17:59.6	+25:08:12	300	90	3.0	#113 Interacti	4	
0164-0173.FLAT	8	13:16	14:17:59.6	+25:08:12	300	90	3.0	#113 Interacti	4	

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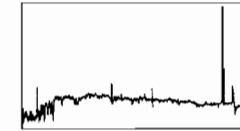
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0174-0183.BIAS	0	13:18	14:17:59.6	+25:08:12	300	90	3.0	#113 Interacti	2	
0184-0193.FLAT	16	13:24	14:17:59.6	+25:08:12	300	90	3.0	#113 Interacti	2	
0194-0203.DARK	900	15:42	14:17:59.6	+25:08:12	300	90	3.0	#113 Interacti	4	
0204-0213.DARK	900	18:14	14:17:59.6	+25:08:12	300	90	3.0	#113 Interacti	2	

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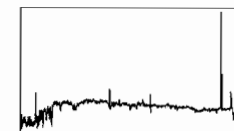
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	0:51	14:17:59.6	+25:08:12	300	90	3.0	#113 Interacti	4	
0011-0020.FLAT	8	0:54	14:17:59.6	+25:08:12	300	90	3.0	#113 Interacti	4	
0021-0030.BIAS	0	0:57	14:17:59.6	+25:08:12	300	90	3.0	#113 Interacti	2	
0031-0040.FLAT	16	1:03	14:17:59.6	+25:08:12	300	90	3.0	#113 Interacti	2	
0041.sky	3	1:27	3:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	lots of cirrus
0042-0045.sky	3	1:28	3:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0046.COMP	5	1:28	3:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0047.HD19445	6	2:05	03:08:25.6	26:19:51	300	70	3.0	#56 Spectropho	2	
0048.HD19445	6	2:05	03:08:25.6	26:19:51	300	70	3.0	#56 Spectropho	2	
0049.HD19445	6	2:06	03:08:25.6	26:19:51	300	70	3.0	#56 Spectropho	2	
0050.COMP	10	2:06	03:08:25.6	26:19:51	300	70	3.0	#56 Spectropho	2	
0051.vso-39083	540	2:10	05:06:34.6	+01:55:18	300	0	3.0	#112 Orion PMS	4	
0052.COMP	5	2:20	05:06:34.6	+01:55:18	300	0	3.0	#112 Orion PMS	4	
0053.vso-42751	420	2:21	05:09:36.8	+01:00:27	300	0	3.0	#112 Orion PMS	4	
0054.COMP	5	2:28	05:09:36.8	+01:00:27	300	0	3.0	#112 Orion PMS	4	
0055.vso-43397	330	2:29	05:09:47.4	+01:37:50	300	0	3.0	#112 Orion PMS	4	
0056.COMP	5	2:35	05:09:47.4	+01:37:50	300	0	3.0	#112 Orion PMS	4	
0057.vso-43478	600	2:49	05:09:50.8	+01:53:50	300	0	3.0	#112 Orion PMS	4	
0058.COMP	5	3:00	05:09:50.8	+01:53:50	300	0	3.0	#112 Orion PMS	4	
0059.Akn120	300	3:00	05:13:38.0	-00:12:15	300	0	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0060.COMP	5	3:06	05:13:38.0	-00:12:15	300	0	3.0	#6 AGN Monitor	4	
0061.vso-43762	600	3:07	05:10:02.2	+01:56:45	300	0	3.0	#112 Orion PMS	4	
0062.COMP	5	3:17	05:10:02.2	+01:56:45	300	0	3.0	#112 Orion PMS	4	
0063.2M045213.8+220918	1200	3:18	4:52:13.8	+22:9:18	300	0	3.0	#68 2MASS Reds	4	clearing
0064.COMP	5	3:39	4:52:13.8	+22:9:18	300	0	3.0	#68 2MASS Reds	4	
0065.2M045316.6+255243	900	3:39	4:53:16.6	+25:52:43	300	0	3.0	#68 2MASS Reds	4	
0066.COMP	5	3:55	4:53:16.6	+25:52:43	300	0	3.0	#68 2MASS Reds	4	
0067.2M045405.9+220937	480	3:55	4:54:5.9	+22:9:37	300	0	3.0	#68 2MASS Reds	4	
0068.COMP	5	4:04	4:54:5.9	+22:9:37	300	0	3.0	#68 2MASS Reds	4	
0069.2M045552.7+254556	1200	4:04	4:55:52.7	+25:45:56	300	0	3.0	#68 2MASS Reds	4	
0070.COMP	5	4:25	4:55:52.7	+25:45:56	300	0	3.0	#68 2MASS Reds	4	
0071.2M050334.9+201517	1500	4:26	5:3:34.9	+20:15:17	300	0	3.0	#68 2MASS Reds	4	
0072.COMP	5	4:53	5:3:34.9	+20:15:17	300	0	3.0	#68 2MASS Reds	4	
0073.2M065017.7-025139	420	4:54	06:50:17.7	-02:51:39	300	0	3.0	#68 2MASS Reds	4	
0074.COMP	5	5:01	06:50:17.7	-02:51:39	300	0	3.0	#68 2MASS Reds	4	
0075.2M065145.3-033629	900	5:02	06:51:45.3	-03:36:29	300	0	3.0	#68 2MASS Reds	4	
0076.COMP	5	5:17	06:51:45.3	-03:36:29	300	0	3.0	#68 2MASS Reds	4	
0077.BXMon	5	5:18	7:25:23	-03:35:51	300	6	3.0	#12 Symbiotic	4	
0078.BXMon	10	5:19	7:25:23	-03:35:51	300	6	3.0	#12 Symbiotic	4	
0079.BXMon	30	5:19	7:25:23	-03:35:51	300	6	3.0	#12 Symbiotic	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0080.COMP	5	5:20	7:25:23	-03:35:51	300	6	3.0	#12 Symbiotic	4	
0081.2M065120.8+090748	600	5:22	06:51:20.8	+09:07:48	300	90	3.0	#68 2MASS Reds	4	
0082.COMP	5	5:32	06:51:20.8	+09:07:48	300	90	3.0	#68 2MASS Reds	4	
0083.2M065246.8+081906	150	5:34	06:52:46.8	+08:19:06	300	90	3.0	#68 2MASS Reds	4	
0084.COMP	5	5:37	06:52:46.8	+08:19:06	300	90	3.0	#68 2MASS Reds	4	
0085.2M065320.5+080715	480	5:38	06:53:20.5	+08:07:15	300	90	3.0	#68 2MASS Reds	4	
0086.COMP	5	5:46	06:53:20.5	+08:07:15	300	90	3.0	#68 2MASS Reds	4	
0087.2M065632.1+061207	480	5:47	06:56:32.1	+06:12:07	300	90	3.0	#68 2MASS Reds	4	
0088.COMP	5	5:58	06:56:32.1	+06:12:07	300	90	3.0	#68 2MASS Reds	4	
0089.2M065434.6+070319	360	5:59	06:54:34.6	+07:03:19	300	80	3.0	#68 2MASS Reds	4	AGN
0090.COMP	5	6:05	06:54:34.6	+07:03:19	300	80	3.0	#68 2MASS Reds	4	
0091.2M070332.3+011707	240	6:07	07:03:32.3	+01:17:07	300	90	3.0	#68 2MASS Reds	4	beware interstellar Na, gal is ok
0092.COMP	5	6:12	07:03:32.3	+01:17:07	300	90	3.0	#68 2MASS Reds	4	
0093.2M070526.8+013842	360	6:14	07:05:26.8	+01:38:42	300	90	3.0	#68 2MASS Reds	4	
0094.COMP	5	6:20	07:05:26.8	+01:38:42	300	90	3.0	#68 2MASS Reds	4	
0095.2M071930.5-090923	180	6:21	07:19:30.5	-09:09:23	300	90	3.0	#68 2MASS Reds	4	
0096.COMP	5	6:24	07:19:30.5	-09:09:23	300	90	3.0	#68 2MASS Reds	4	
0097.2M072526.2-091417	900	6:25	07:25:26.2	-09:14:17	300	90	3.0	#68 2MASS Reds	4	
0098.COMP	5	6:40	07:25:26.2	-09:14:17	300	90	3.0	#68 2MASS Reds	4	
0099.2M070356.2-021439	1200	6:41	07:03:56.2	-02:14:39	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
0100.COMP	5	7:03	07:03:56.2	-02:14:39	300	90	3.0	#68 2MASS Reds	4	
0101.2M070519.0+023931	1200	7:04	07:05:19.0	+02:39:31	300	90	3.0	#68 2MASS Reds	4	
0102.COMP	5	7:24	07:05:19.0	+02:39:31	300	90	3.0	#68 2MASS Reds	4	
0103.XS02130B7_020	30	7:26	08:40:44.6	+13:07:13	300	90	3.0	#129 Bright Ch	4	
0104.XS02130B7_020	30	7:27	08:40:44.6	+13:07:13	300	90	3.0	#129 Bright Ch	4	
0105.COMP	5	7:28	08:40:44.6	+13:07:13	300	90	3.0	#129 Bright Ch	4	
0106.XS00838B3_003	30	7:31	08:28:15.2	+29:11:34	300	90	3.0	#129 Bright Ch	4	
0107.XS00838B3_003	90	7:32	08:28:15.2	+29:11:34	300	90	3.0	#129 Bright Ch	4	
0108.COMP	5	7:34	08:28:15.2	+29:11:34	300	90	3.0	#129 Bright Ch	4	
0109.XS02227B2_008	90	7:36	09:10:17.4	+54:17:59	300	90	3.0	#129 Bright Ch	4	
0110.XS02227B2_008	120	7:37	09:10:17.4	+54:17:59	300	90	3.0	#129 Bright Ch	4	
0111.COMP	5	7:40	09:10:17.4	+54:17:59	300	90	3.0	#129 Bright Ch	4	
0112.XS01630B7_021	120	7:45	11:18:02.4	+07:43:25	300	90	3.0	#129 Bright Ch	4	
0113.XS01630B7_021	120	7:47	11:18:02.4	+07:43:25	300	90	3.0	#129 Bright Ch	4	
0114.COMP	5	7:49	11:18:02.4	+07:43:25	300	90	3.0	#129 Bright Ch	4	
0115.XS00819B6_001	150	7:50	11:23:13.6	+01:27:14	300	90	3.0	#129 Bright Ch	4	
0116.COMP	5	7:53	11:23:13.6	+01:27:14	300	90	3.0	#129 Bright Ch	4	
0117.N3227	150	7:55	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0118.N3227	150	7:58	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0119.COMP	5	8:00	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0120.sn2004L	1200	8:02	10:27:04.1	+16:01:07	300	5	3.0	#2 SN Observat	2	
0121.COMP	10	8:22	10:27:04.1	+16:01:07	300	5	3.0	#2 SN Observat	2	
0122.Feige34	120	8:24	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0123.Feige34	120	8:26	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0124.COMP	10	8:28	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0125.XS02227B6_007	1800	8:32	09:11:23.8	+54:13:20	300	90	3.0	#129 Bright Ch	2	tough customer
0126.COMP	10	9:02	09:11:23.8	+54:13:20	300	90	3.0	#129 Bright Ch	2	H and K at 5000A
0127.XS02227B6_007	1800	9:03	09:11:23.8	+54:13:20	300	90	3.0	#129 Bright Ch	2	to add with file 125
0128.COMP	10	9:33	09:11:23.8	+54:13:20	300	90	3.0	#129 Bright Ch	2	
0129.c11152p3732	1800	9:36	11:52:36.5	+37:32:44	300	90	3.0	#150 Distant C	2	ok
0130.COMP	10	10:07	11:52:36.5	+37:32:44	300	90	3.0	#150 Distant C	2	
0131.c11217p4729	1800	10:09	12:17:39.8	+47:29:23	300	90	3.0	#150 Distant C	2	ok
0132.COMP	10	10:40	12:17:39.8	+47:29:23	300	90	3.0	#150 Distant C	2	
0133.c11231p4137	1800	10:42	12:31:44.0	+41:37:33	300	90	3.0	#150 Distant C	2	
0134.COMP	10	11:13	12:31:44.0	+41:37:33	300	90	3.0	#150 Distant C	2	
0135.c11235p4117	1800	11:15	12:35:05.3	+41:17:43	300	104	3.0	#150 Distant C	2	please extract all 3 galaxies
0136.COMP	10	11:46	12:35:05.3	+41:17:43	300	104	3.0	#150 Distant C	2	g5 row 85, g6 row 95, g7 row 105
0137.c11253p6248	1800	11:49	12:53:04.9	+62:48:02	300	90	3.0	#150 Distant C	2	
0138.COMP	10	12:20	12:53:04.9	+62:48:02	300	90	3.0	#150 Distant C	2	
0139.c11230p2326	1800	12:23	12:30:14.3	+23:26:10	300	-12	3.0	#150 Distant C	2	please get g1 at row 83, and g2 row 108

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File	Exp Time t	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0140.COMP	103	12:30:14.3	+23:26:10	300	-12	3.0	#150 Distant C	2	
0141.N5548	3008	14:17:59.6	+25:08:12	300	62	3.0	#6 AGN Monitor	4	
0142.COMP	54	14:17:59.6	+25:08:12	300	62	3.0	#6 AGN Monitor	4	
0143.FineFoc	605	14:54:52.5	31:25:24	300	90	3.0	#57 Velocity S	1	
0144-0153.BIAS	03	14:54:52.5	31:25:24	300	90	3.0	#57 Velocity S	4	
0154-0163.FLAT	86	14:54:52.5	31:25:24	300	90	3.0	#57 Velocity S	4	
0164-0173.BIAS	08	14:54:52.5	31:25:24	300	90	3.0	#57 Velocity S	2	
0174-0183.FLAT	104	14:54:52.5	31:25:24	300	90	3.0	#57 Velocity S	2	
0184-0193.DARK	9042	14:54:52.5	31:25:24	300	90	3.0	#57 Velocity S	4	
0194-0203.DARK	9015	14:54:52.5	31:25:24	300	90	3.0	#57 Velocity S	2	

Darks counts a little

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0006.DARK	900	0:44	14:54:52.5	31:25:24	300	90	3.0	#57 Velocity S	4	
0007.DARK	900	0:59	3:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0008-0020.BIAS	0	1:26	3:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0021-0030.FLAT	8	1:29	3:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0031-0040.BIAS	0	1:31	3:45:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0041-0050.FLAT	16	1:37	3:45:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0051.HD19445	6	2:03	03:08:25.6	26:19:51	300	69	3.0	#56 Spectropho	2	lots of cirrus
0052.HD19445	6	2:04	03:08:25.6	26:19:51	300	69	3.0	#56 Spectropho	2	
0053.HD19445	6	2:04	03:08:25.6	26:19:51	300	69	3.0	#56 Spectropho	2	
0054.HD19445	6	2:04	03:08:25.6	26:19:51	300	69	3.0	#56 Spectropho	2	
0055.HD19445	6	2:05	03:08:25.6	26:19:51	300	69	3.0	#56 Spectropho	2	
0056.COMP	10	2:05	03:08:25.6	26:19:51	300	69	3.0	#56 Spectropho	2	
0057.vso-46343	240	2:08	05:11:45.9	+01:54:05	300	0	3.0	#112 Orion PMS	4	
0058.COMP	5	2:12	05:11:45.9	+01:54:05	300	0	3.0	#112 Orion PMS	4	
0059.vso-47958	240	2:13	05:12:49.7	+01:57:27	300	0	3.0	#112 Orion PMS	4	
0060.COMP	5	2:17	05:12:49.7	+01:57:27	300	0	3.0	#112 Orion PMS	4	
0061.vso-51310	480	2:18	05:14:54.7	+01:37:15	300	0	3.0	#112 Orion PMS	4	
0062.COMP	5	2:26	05:14:54.7	+01:37:15	300	0	3.0	#112 Orion PMS	4	
0063.vso-52563	240	2:27	05:15:43.4	+01:36:43	300	0	3.0	#112 Orion PMS	4	
0064.COMP	5	2:31	05:15:43.4	+01:36:43	300	0	3.0	#112 Orion PMS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0065.vso-55125	660	2:32	05:18:01.8	+01:17:23	300	0	3.0	#112 Orion PMS	4	
0066.COMP	5	2:44	05:18:01.8	+01:17:23	300	0	3.0	#112 Orion PMS	4	
0067.vso-55251	240	2:44	05:17:16.4	+02:05:11	300	0	3.0	#112 Orion PMS	4	
0068.COMP	5	2:49	05:17:16.4	+02:05:11	300	0	3.0	#112 Orion PMS	4	
0069.vso-55414	360	2:49	05:18:12.8	+00:56:12	300	0	3.0	#112 Orion PMS	4	
0070.COMP	5	2:56	05:18:12.8	+00:56:12	300	0	3.0	#112 Orion PMS	4	
0071.vso-56265	480	2:56	05:18:48.8	+01:01:39	300	0	3.0	#112 Orion PMS	4	
0072.COMP	5	3:05	05:18:48.8	+01:01:39	300	0	3.0	#112 Orion PMS	4	
0073.vso-56876	720	3:05	05:19:13.4	+00:56:59	300	0	3.0	#112 Orion PMS	4	
0074.COMP	5	3:18	05:19:13.4	+00:56:59	300	0	3.0	#112 Orion PMS	4	
0075.vso-57705	300	3:19	05:18:55.1	+01:56:00	300	0	3.0	#112 Orion PMS	4	
0076.COMP	5	3:25	05:18:55.1	+01:56:00	300	0	3.0	#112 Orion PMS	4	
0077.vso-100437	360	3:26	05:44:22.0	+01:04:58	300	0	3.0	#112 Orion PMS	4	
0078.COMP	5	3:34	05:44:22.0	+01:04:58	300	0	3.0	#112 Orion PMS	4	
0079.vso-100610	1200	3:34	05:44:28.2	+01:02:00	300	0	3.0	#112 Orion PMS	4	
0080.COMP	5	3:59	05:44:28.2	+01:02:00	300	0	3.0	#112 Orion PMS	4	
0081.vso-100900	720	4:00	05:44:38.3	+01:19:10	300	0	3.0	#112 Orion PMS	4	
0082.COMP	5	4:13	05:44:38.3	+01:19:10	300	0	3.0	#112 Orion PMS	4	
0083.vso-101482	720	4:14	05:44:58.0	+01:24:30	300	0	3.0	#112 Orion PMS	4	
0084.COMP	5	4:26	05:44:58.0	+01:24:30	300	0	3.0	#112 Orion PMS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0085.vso-101675	1200	4:28	05:45:04.3	+01:23:29	300	0	3.0	#112 Orion PMS	4	
0086.COMP	5	4:51	05:45:04.3	+01:23:29	300	0	3.0	#112 Orion PMS	4	
0087.vso-101799	1200	4:52	05:45:08.4	+01:05:55	300	0	3.0	#112 Orion PMS	4	
0088.COMP	5	5:12	05:45:08.4	+01:05:55	300	0	3.0	#112 Orion PMS	4	
0089.vso-102148	1200	5:15	05:45:18.1	+01:16:49	300	0	3.0	#112 Orion PMS	4	
0090.COMP	5	5:36	05:45:18.1	+01:16:49	300	0	3.0	#112 Orion PMS	4	
0091.test	1	5:56	8:8:8	30:0:0	300	90	3.0	#57 Velocity S	1	
0092.FineFoc	60	5:58	08:00:04.5	31:35:29	300	90	3.0	#57 Velocity S	1	
0093.085724p17360.c	1800	6:08	9:0:31.5	17:22:37	300	47	3.0	#113 Interacti	2	
0094.COMP	10	6:39	9:0:31.5	17:22:37	300	47	3.0	#113 Interacti	2	
0095.092124p05250.b	1800	6:41	9:24:1.0	5:14:16	300	90	3.0	#113 Interacti	2	
0096.COMP	10	7:12	9:24:1.0	5:14:16	300	90	3.0	#113 Interacti	2	
0097.094806p30490.b	1500	7:14	9:51:0.4	30:36:14	300	-10	3.0	#113 Interacti	2	
0098.COMP	10	7:40	9:51:0.4	30:36:14	300	-10	3.0	#113 Interacti	2	
0099.sn2004L	1200	7:43	10:27:04.1	+16:01:07	300	0	3.0	#2 SN Observat	2	
0100.COMP	10	8:04	10:27:04.1	+16:01:07	300	0	3.0	#2 SN Observat	2	
0101.Feige34	120	8:06	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0102.Feige34	120	8:08	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0103.COMP	10	8:10	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0104.cairnsk3_024	1200	8:12	12:43:24.6	27:16:49	300	90	3.0	#64f Cluster I	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0105.COMP	5	8:33	12:43:24.6	27:16:49	300	90	3.0	#64f Cluster I	4	
0106.cairnsk5_021	480	8:34	12:42:4.3	27:23:46	300	90	3.0	#64 Cluster In	4	
0107.COMP	5	8:42	12:42:4.3	27:23:46	300	90	3.0	#64 Cluster In	4	
0108.cairnsk5_024	420	8:42	12:34:29.2	28:6:20	300	90	3.0	#64 Cluster In	4	
0109.COMP	5	8:50	12:34:29.2	28:6:20	300	90	3.0	#64 Cluster In	4	
0110.cairnsk5_025	720	8:50	12:46:54.9	30:11:37	300	90	3.0	#64 Cluster In	4	
0111.COMP	5	9:03	12:46:54.9	30:11:37	300	90	3.0	#64 Cluster In	4	
0112.cairnsk5_026	600	9:03	12:54:42.3	32:58:31	300	90	3.0	#64 Cluster In	4	
0113.COMP	5	9:14	12:54:42.3	32:58:31	300	90	3.0	#64 Cluster In	4	
0114.cairnsk5_028	540	9:14	12:45:34.9	28:23:39	300	90	3.0	#64 Cluster In	4	
0115.COMP	5	9:27	12:45:34.9	28:23:39	300	90	3.0	#64 Cluster In	4	
0116.cairnsk5_022	540	9:27	13:2:17.8	22:51:43	300	90	3.0	#64 Cluster In	4	
0117.COMP	5	9:37	13:2:17.8	22:51:43	300	90	3.0	#64 Cluster In	4	
0118.cairnsk5_023	600	9:37	13:17:22.4	27:7:27	300	90	3.0	#64 Cluster In	4	
0119.COMP	5	9:48	13:17:22.4	27:7:27	300	90	3.0	#64 Cluster In	4	
0120.cairnsk5_027	720	9:48	13:24:31.1	25:32:34	300	90	3.0	#64 Cluster In	4	
0121.COMP	5	10:01	13:24:31.1	25:32:34	300	90	3.0	#64 Cluster In	4	
0122.cairnsk5_029	720	10:01	13:10:25.9	32:46:31	300	90	3.0	#64 Cluster In	4	
0123.COMP	5	10:14	13:10:25.9	32:46:31	300	90	3.0	#64 Cluster In	4	
0124.cairnsk5_030	900	10:15	12:52:24.3	26:28:38	300	90	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0125.COMP	5	10:30	12:52:24.3	26:28:38	300	90	3.0	#64 Cluster In	4	
0126.cairnsk5_031	720	10:30	13:7:53.5	28:22:59	300	90	3.0	#64 Cluster In	4	
0127.COMP	5	10:43	13:7:53.5	28:22:59	300	90	3.0	#64 Cluster In	4	
0128.cairnsk5_032	540	10:43	13:11:0	31:2:39	300	90	3.0	#64 Cluster In	4	
0129.COMP	5	10:53	13:11:0	31:2:39	300	90	3.0	#64 Cluster In	4	
0130.cairnsk5_033	720	10:54	13:19:54.5	25:31:41	300	90	3.0	#64 Cluster In	4	
0131.COMP	5	11:06	13:19:54.5	25:31:41	300	90	3.0	#64 Cluster In	4	
0132.cairnsk5_034	600	11:07	12:40:16.6	25:40:47	300	90	3.0	#64 Cluster In	4	
0133.COMP	5	11:17	12:40:16.6	25:40:47	300	90	3.0	#64 Cluster In	4	
0134.cairnsk5_035	720	11:18	12:49:4.2	31:26:33	300	90	3.0	#64 Cluster In	4	
0135.COMP	5	11:30	12:49:4.2	31:26:33	300	90	3.0	#64 Cluster In	4	
0136.cairnsk5_036	900	11:31	12:53:21.9	26:46:21	300	90	3.0	#64 Cluster In	4	
0137.COMP	5	11:46	12:53:21.9	26:46:21	300	90	3.0	#64 Cluster In	4	
0138.cairnsk5_037	720	11:47	12:55:23	31:43:38	300	90	3.0	#64 Cluster In	4	
0139.COMP	5	11:59	12:55:23	31:43:38	300	90	3.0	#64 Cluster In	4	
0140.cairnsk5_038	720	12:00	12:58:7.5	26:19:36	300	90	3.0	#64 Cluster In	4	
0141.COMP	5	12:12	12:58:7.5	26:19:36	300	90	3.0	#64 Cluster In	4	
0142.cairnsk5_039	480	12:13	13:12:26.9	28:19:32	300	90	3.0	#64 Cluster In	4	
0143.COMP	5	12:21	13:12:26.9	28:19:32	300	90	3.0	#64 Cluster In	4	
0144.cairnsk5_040	600	12:22	12:44:4.6	31:40:29	300	90	3.0	#64 Cluster In	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>Bir</i>	<i>Comments</i>
0145.COMP	5	12:33	12:44:4.6	31:40:29	300	90	3.0	#64 Cluster In	4	
0146.cairnsk5_041	660	12:33	12:54:47.7	27:20:24	300	90	3.0	#64 Cluster In	4	
0147.COMP	5	12:45	12:54:47.7	27:20:24	300	90	3.0	#64 Cluster In	4	
0148.cairnsk5_042	900	12:45	12:56:14.9	22:31:44	300	90	3.0	#64 Cluster In	4	
0149.COMP	5	13:01	12:56:14.9	22:31:44	300	90	3.0	#64 Cluster In	4	
0150.N5846	180	13:02	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	4	
0151.COMP	5	13:05	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	4	
0152-0161.BIAS	0	13:08	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	4	
0162-0171.FLAT	8	13:11	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	4	
0172-0181.BIAS	0	13:14	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	2	
0182-0191.FLAT	16	13:19	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	2	
0192-0201.DARK	1200	16:23	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	1:00	03:44:10.7	+31:28:59	300	90	3.0	#57 Velocity S	4	
0002.DARK	900	1:15	03:59:21.7	+31:29:03	300	90	3.0	#57 Velocity S	4	
0003.DARK	900	1:30	04:14:29.3	+31:29:07	300	90	3.0	#57 Velocity S	4	
0004.DARK	900	1:45	04:29:39.8	+31:29:12	300	90	3.0	#57 Velocity S	4	
0005-0012.BIAS	0	2:01	04:30:45.2	+31:29:12	300	90	3.0	#57 Velocity S	4	
0013-0014.BIAS	0	2:01	04:31:02.0	+31:29:13	300	90	3.0	#57 Velocity S	4	
0015-0024.FLAT	6	2:04	04:33:41.9	+31:29:13	300	90	3.0	#57 Velocity S	4	
0025-0034.BIAS	0	2:07	04:36:12.7	+31:29:14	300	90	3.0	#57 Velocity S	2	
0035-0042.FLAT	12	2:10	04:40:01.9	+31:29:15	300	90	3.0	#57 Velocity S	2	
0043-0044.FLAT	12	2:11	04:40:53.2	+31:29:16	300	90	3.0	#57 Velocity S	2	
0045.HD19445	5	2:23	03:08:25.6	26:19:51	300	70	3.0	#56 Spectropho	2	
0046.HD19445	5	2:24	03:08:25.6	26:19:51	300	70	3.0	#56 Spectropho	2	
0047.COMP	12	2:24	03:08:25.6	26:19:51	300	70	3.0	#56 Spectropho	2	dome woes
0048.AXPer	4	2:46	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0049.AXPer	30	2:47	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0050.AXPer	90	2:47	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0051.COMP	12	2:49	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0052.BGGem	300	2:52	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0053.COMP	12	2:57	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0054.BGGem	1200	2:58	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.COMP	12	3:18	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0056.vso-102882	720	3:20	05:45:40.7	+01:21:33	300	70	3.0	#112 Orion PMS	2	Need more counts
0057.COMP	12	3:33	05:45:40.7	+01:21:33	300	70	3.0	#112 Orion PMS	2	
0058.vso-102882	1200	3:33	05:45:40.7	+01:21:33	300	70	3.0	#112 Orion PMS	2	
0059.COMP	12	3:54	05:45:40.7	+01:21:33	300	70	3.0	#112 Orion PMS	2	
0060.NebulaVertex	1200	4:10	5:46:13.2	-00:06:04	300	90	5.0	#112 Orion PMS	2	5 arcsec slit
0061.COMP	20	4:30	5:46:13.2	-00:06:04	300	90	5.0	#112 Orion PMS	2	
0062.NebulaVertex	1200	4:31	5:46:13.2	-00:06:04	300	90	5.0	#112 Orion PMS	2	
0063.COMP	20	4:52	5:46:13.2	-00:06:04	300	90	5.0	#112 Orion PMS	2	
0064.NebulaKnot	1200	4:53	5:46:13.2	-00:06:04	300	90	5.0	#112 Orion PMS	2	
0065.COMP	20	5:13	5:46:13.2	-00:06:04	300	90	5.0	#112 Orion PMS	2	
0066.Hiltner600	40	5:16	06:42:37.2	02:11:25	300	90	5.0	#56 Spectropho	2	
0067.COMP	20	5:17	06:42:37.2	02:11:25	300	90	5.0	#56 Spectropho	2	
0068-0077.FLAT	6	5:29	06:42:37.2	02:11:25	300	90	5.0	#112 Orion PMS	2	
0078.vso-103258	900	5:37	05:45:50.4	+01:13:49	300	90	3.0	#112 Orion PMS	2	combo setup, terrible seeing
0079.COMP	12	5:52	05:45:50.4	+01:13:49	300	90	3.0	#112 Orion PMS	2	
0080.vso-104763	1200	5:53	05:46:42.3	+01:11:51	300	90	3.0	#112 Orion PMS	2	
0081.COMP	12	6:14	05:46:42.3	+01:11:51	300	90	3.0	#112 Orion PMS	2	
0082.vso-104763	1200	6:14	05:46:42.3	+01:11:51	300	90	3.0	#112 Orion PMS	2	
0083.COMP	12	6:35	05:46:42.3	+01:11:51	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0084.TXCVn	15	12:01	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0085.TXCVn	45	12:02	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0086.COMP	12	12:03	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0087.RWHya	5	12:05	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0088.RWHya	20	12:06	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0089.RWHya	35	12:06	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0090.COMP	12	12:07	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0091.cairnsk5_043	600	12:10	12:38:51.7	25:5:15	300	90	3.0	#64 Cluster In	2	h alpha...
0092.COMP	12	12:20	12:38:51.7	25:5:15	300	90	3.0	#64 Cluster In	2	
0093.cairnsk5_044	1200	12:23	13:8:56.5	24:29:52	300	70	3.0	#64 Cluster In	2	clouds...
0094.COMP	12	12:43	13:8:56.5	24:29:52	300	70	3.0	#64 Cluster In	2	
0095.cairnsk5_044	1200	12:44	13:8:56.5	24:29:52	300	70	3.0	#64 Cluster In	2	
0096.COMP	12	13:04	13:8:56.5	24:29:52	300	70	3.0	#64 Cluster In	2	
0097.BDp332642	70	13:10	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0098.BDp332642	70	13:11	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0099.COMP	12	13:13	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0100-0109.BIAS	0	13:24	15:50:03.0	33:05:49	300	90	3.0	#113 Interacti	4	
0110-0119.FLAT	6	13:27	15:50:03.0	33:05:49	300	90	3.0	#113 Interacti	4	
0120-0129.BIAS	0	13:29	15:50:03.0	33:05:49	300	90	3.0	#113 Interacti	2	
0130-0139.FLAT	12	13:33	15:50:03.0	33:05:49	300	90	3.0	#113 Interacti	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>Bir</i>	<i>Comments</i>
0140-0149.DARK	900	15:51	15:50:03.0	33:05:49	300	90	3.0	#113 Interacti	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	0:58	15:50:03.0	33:05:49	300	90	3.0	#113 Interacti	4	
0011-0020.BIAS	0	1:15	15:50:03.0	33:05:49	300	90	3.0	#113 Interacti	4	
0021-0030.FLAT	6	1:29	15:50:03.0	33:05:49	300	90	3.0	#113 Interacti	4	
0031-0040.BIAS	0	1:32	15:50:03.0	33:05:49	300	90	3.0	#113 Interacti	2	
0041-0050.FLAT	12	1:36	15:50:03.0	33:05:49	300	90	3.0	#113 Interacti	2	
0051.Hiltner600	120	2:05	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0052.COMP	5	2:08	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0053.Hiltner600	120	2:09	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0054.COMP	12	2:12	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0055.HD19445	8	2:16	03:08:25.6	26:19:51	300	70	3.0	#56 Spectropho	2	
0056.HD19445	8	2:16	03:08:25.6	26:19:51	300	70	3.0	#56 Spectropho	2	
0057.COMP	12	2:17	03:08:25.6	26:19:51	300	70	3.0	#56 Spectropho	2	
0058.Akn120	300	2:19	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0059.COMP	12	2:25	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0060.vso-104855	1200	2:29	05:46:46.0	+01:10:53	300	90	3.0	#112 Orion PMS	2	
0061.COMP	12	2:50	05:46:46.0	+01:10:53	300	90	3.0	#112 Orion PMS	2	
0062.vso-105591	1080	2:51	05:47:12.9	+01:13:58	300	90	3.0	#112 Orion PMS	2	
0063.COMP	12	3:10	05:47:12.9	+01:13:58	300	90	3.0	#112 Orion PMS	2	
0064.NebulaVertex	1200	3:13	5:46:13.2	-00:06:04	300	90	3.0	#112 Orion PMS	2	
0065.NebulaVertex	1200	3:33	5:46:13.2	-00:06:04	300	90	3.0	#112 Orion PMS	2	clouds...

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0066.COMP	12	3:54	5:46:13.2	-00:06:04	300	90	3.0	#112 Orion PMS	2	
0067.sn2004L	900	6:35	10:27:04.1	+16:01:07	300	-40	3.0	#2 SN Observat	2	shorten for clouds
0068.COMP	12	6:56	00	00	00	00	00	00	300	-40
0069.TCrB	15	12:00	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0070.TCrB	60	12:01	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0071.COMP	12	12:02	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0072.AGDra	2	12:04	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0073.AGDra	15	12:05	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0074.AGDra	45	12:05	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0075.COMP	12	12:06	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0076.MRK279	150	12:09	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0077.MRK279	150	12:11	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0078.COMP	12	12:15	13:51:53.6	69:33:13	300	90	3.0	#6 AGN Monitor	2	
0079.cairnsk5_045	660	12:17	13:24:18.1	26:24:37	300	110	3.0	#64 Cluster In	2	clouds returning....
0080.COMP	12	12:29	13:24:18.1	26:24:37	300	110	3.0	#64 Cluster In	2	
0081-0090.BIAS	0	13:00	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0091-0100.FLAT	6	13:05	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0101-0110.BIAS	0	13:08	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	
0111-0120.FLAT	12	13:13	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	
0121-0130.DARK	900	15:32	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:04	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0011-0020.BIAS	0	1:39	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0021-0030.FLAT	6	1:59	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0031-0040.BIAS	0	2:02	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	
0041-0050.FLAT	12	2:07	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	
0051.HD84937	5	6:14	09:48:56.1	13:44:39	300	-36	3.0	#56 Spectropho	2	
0052.HD84937	5	6:14	09:48:56.1	13:44:39	300	-36	3.0	#56 Spectropho	2	
0053.HD84937	5	6:14	09:48:56.1	13:44:39	300	-36	3.0	#56 Spectropho	2	
0054.COMP	12	6:15	09:48:56.1	13:44:39	300	-36	3.0	#56 Spectropho	2	
0055.Feige34	300	6:57	10:36:41.2	43:21:50	300	54	3.0	#56 Spectropho	2	observing through cirrus
0056.COMP	12	7:03	10:36:41.2	43:21:50	300	54	3.0	#56 Spectropho	2	
0057.MRK110	960	7:45	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0058.COMP	12	8:02	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0059.sn2004L	1200	8:10	10:27:04.1	+16:01:07	300	15	3.0	#2 SN Observat	2	
0060.sn2004L	1200	8:31	10:27:04.1	+16:01:07	300	15	3.0	#2 SN Observat	2	
0061.COMP	12	8:51	10:27:04.1	+16:01:07	300	15	3.0	#2 SN Observat	2	
0062.MRK421	300	9:01	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0063.MRK421	300	9:06	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0064.MRK421	300	9:11	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0065.COMP	12	9:17	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0066.hs1732	900	9:22	10:48:00.9	23:35:34	600	90	2.0	#122 Halo Star	2	2arcsec, 600L, tilt=440, row=73
0067.COMP	12	9:38	10:48:00.9	23:35:34	600	90	2.0	#122 Halo Star	2	
0068.hs1733	480	9:39	10:48:14.4	21:45:42	600	90	2.0	#122 Halo Star	2	
0069.COMP	20	9:48	10:48:14.4	21:45:42	600	90	2.0	#122 Halo Star	2	
0070.hs1734	600	9:49	10:48:15.6	20:38:48	600	90	2.0	#122 Halo Star	2	
0071.COMP	20	10:00	10:48:15.6	20:38:48	600	90	2.0	#122 Halo Star	2	
0072.hs1877	300	10:21	11:19:45.0	40:55:02	600	90	2.0	#122 Halo Star	2	
0073.COMP	20	10:26	11:19:45.0	40:55:02	600	90	2.0	#122 Halo Star	2	
0074.hs1878	240	10:29	11:19:54.8	17:29:14	600	90	2.0	#122 Halo Star	2	
0075.COMP	20	10:33	11:19:54.8	17:29:14	600	90	2.0	#122 Halo Star	2	
0076.hs1879	900	10:34	11:20:06.0	9:30:40	600	90	2.0	#122 Halo Star	2	
0077.COMP	20	10:50	11:20:06.0	9:30:40	600	90	2.0	#122 Halo Star	2	
0078.hs1887	1200	10:54	11:22:30.4	31:09:01	600	90	2.0	#122 Halo Star	2	
0079.COMP	20	11:14	11:22:30.4	31:09:01	600	90	2.0	#122 Halo Star	2	
0080.hs1888	1020	11:15	11:22:41.7	15:32:07	600	90	2.0	#122 Halo Star	2	still observing through clouds...
0081.COMP	20	11:33	11:22:41.7	15:32:07	600	90	2.0	#122 Halo Star	2	
0082.hs1889	600	11:35	11:22:47.4	45:48:13	600	90	2.0	#122 Halo Star	2	
0083.COMP	20	11:46	11:22:47.4	45:48:13	600	90	2.0	#122 Halo Star	2	
0084.hs1890	1200	11:47	11:22:49.6	44:45:21	600	90	2.0	#122 Halo Star	2	clouds...try again
0085.hs1890	1200	12:08	11:22:49.6	44:45:21	600	90	2.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0086.COMP	20	12:28	11:22:49.6	44:45:21	600	90	2.0	#122 Halo Star	2	
0087.hs2677	300	12:31	14:31:44.4	63:48:19	600	90	2.0	#122 Halo Star	2	
0088.COMP	20	12:37	14:31:44.4	63:48:19	600	90	2.0	#122 Halo Star	2	
0089.hs2678	200	12:38	14:31:47.2	55:35:19	600	90	2.0	#122 Halo Star	2	
0090.COMP	12	12:42	14:31:47.2	55:35:19	600	90	2.0	#122 Halo Star	2	
0091.hs2679	186	12:43	14:32:57.0	64:28:33	600	90	2.0	#122 Halo Star	2	
0092.COMP	20	12:47	14:32:57.0	64:28:33	600	90	2.0	#122 Halo Star	2	
0093.hs2683	240	12:48	14:34:16.2	59:12:28	600	90	2.0	#122 Halo Star	2	get again
0094.COMP	20	12:52	14:34:16.2	59:12:28	600	90	2.0	#122 Halo Star	2	
0095.hs2683	300	12:53	14:34:16.2	59:12:28	600	90	2.0	#122 Halo Star	2	
0096.COMP	20	12:59	14:34:16.2	59:12:28	600	90	2.0	#122 Halo Star	2	
0097.BDp332642	45	13:02	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	2	
0098.BDp332642	45	13:03	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	2	
0099.COMP	20	13:04	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	2	
0100-0109.FLAT	80	13:26	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	2	
0110-0119.BIAS	0	13:31	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	2	
0120-0129.DARK	900	16:03	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0007.DARK	900	0:39	15:50:03.0	33:05:49	300	90	3.0	none	4	
0008-0009.BIAS	0	1:01	03:42:40.6	+31:28:58	300	90	3.0	none	4	
0010-0020.BIAS	0	1:03	03:44:24.5	+31:28:59	300	90	3.0	none	4	
0021-0025.FLAT	8	1:05	03:46:08.9	+31:28:59	300	90	3.0	none	4	
0026-0030.FLAT	8	1:06	03:47:53.1	+31:29:00	300	90	3.0	none	4	
0031-0040.BIAS	0	1:09	03:50:07.2	+31:29:00	300	90	3.0	none	2	
0041-0046.FLAT	16	1:12	03:53:44.4	+31:29:01	300	90	3.0	none	2	
0047-0050.FLAT	16	1:15	03:56:07.8	+31:29:02	300	90	3.0	none	2	
0051-0055.sky	3	1:32	4:8:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	1:32	4:8:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0057.HD19445	30	2:08	03:08:25.6	26:19:51	300	71	3.0	#56 Spectropho	2	
0058.HD19445	30	2:09	03:08:25.6	26:19:51	300	71	3.0	#56 Spectropho	2	
0059.HD19445	30	2:10	03:08:25.6	26:19:51	300	71	3.0	#56 Spectropho	2	
0060.COMP	10	2:11	03:08:25.6	26:19:51	300	71	3.0	#56 Spectropho	2	
0061.NGC1700	120	2:15	04:56:58.1	-04:52:23	300	0	3.0	#57 Velocity S	2	
0062.COMP	10	2:17	04:56:58.1	-04:52:23	300	0	3.0	#57 Velocity S	2	
0063.vso-61402	600	2:21	05:22:04.4	+00:57:32	300	0	3.0	#112 Orion PMS	4	
0064.COMP	5	2:31	05:22:04.4	+00:57:32	300	0	3.0	#112 Orion PMS	4	
0065.vso-60147	480	2:32	05:21:19.6	+01:20:54	300	0	3.0	#112 Orion PMS	4	
0066.COMP	5	2:40	05:21:19.6	+01:20:54	300	0	3.0	#112 Orion PMS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0067.NebulaVertexm06	1200	2:42	05:46:13.2	-00:06:04	300	-6	3.0	#112 Orion PMS	2	star and neb to north
0068.COMP	10	3:03	05:46:13.2	-00:06:04	300	-6	3.0	#112 Orion PMS	2	
0069.NebulaVertexp28	480	3:06	05:46:13.2	-00:06:04	300	28	3.0	#112 Orion PMS	2	stopped by clouds
0070.NebulaVertexp28	1200	3:20	05:46:13.2	-00:06:04	300	28	3.0	#112 Orion PMS	2	star and neb to east
0071.COMP	10	3:40	05:46:13.2	-00:06:04	300	28	3.0	#112 Orion PMS	2	
0072.vso-106620	900	3:45	05:47:52.2	+01:22:57	300	0	3.0	#112 Orion PMS	4	
0073.COMP	5	4:00	05:47:52.2	+01:22:57	300	0	3.0	#112 Orion PMS	4	
0074.vso-107435	900	4:01	05:48:16.7	+01:03:28	300	0	3.0	#112 Orion PMS	4	
0075.COMP	5	4:17	05:48:16.7	+01:03:28	300	0	3.0	#112 Orion PMS	4	
0076.vso-109765	900	4:18	05:49:36.0	+01:23:19	300	0	3.0	#112 Orion PMS	4	
0077.COMP	5	4:34	05:49:36.0	+01:23:19	300	0	3.0	#112 Orion PMS	4	
0078.2M06270124-1231403	1500	4:36	06:27:01.2	-12:31:40	300	10	3.0	#68 2MASS Reds	4	
0079.COMP	5	5:02	06:27:01.2	-12:31:40	300	10	3.0	#68 2MASS Reds	4	
0080.2M051335.3+112512	1500	5:05	5:13:35.3	+11:25:12	300	45	3.0	#68 2MASS Reds	4	
0081.COMP	5	5:31	5:13:35.3	+11:25:12	300	45	3.0	#68 2MASS Reds	4	
0082.2M051142.0+204346	1500	5:32	5:11:42.0	+20:43:46	300	45	3.0	#68 2MASS Reds	4	
0083.COMP	5	5:57	5:11:42.0	+20:43:46	300	45	3.0	#68 2MASS Reds	4	
0084.093854p11410.c	1800	6:01	9:41:39.1	11:28:29	300	25	3.0	#113 Interacti	2	
0085.COMP	10	6:32	9:41:39.1	11:28:29	300	25	3.0	#113 Interacti	2	
0086.N3227	150	6:33	10:23:30.6	+19:51:54	300	25	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0087.N3227	150	6:35	10:23:30.6	+19:51:54	300	25	3.0	#6 AGN Monitor	4	
0088.COMP	5	6:38	10:23:30.6	+19:51:54	300	25	3.0	#6 AGN Monitor	4	
0089.HD84937	15	6:41	09:48:56.1	13:44:39	300	-15	3.0	#56 Spectropho	2	
0090.HD84937	15	6:41	09:48:56.1	13:44:39	300	-15	3.0	#56 Spectropho	2	
0091.HD84937	15	6:41	09:48:56.1	13:44:39	300	-15	3.0	#56 Spectropho	2	
0092.COMP	10	6:42	09:48:56.1	13:44:39	300	-15	3.0	#56 Spectropho	2	
0093.Feige34	120	6:45	10:36:41.2	43:21:50	300	54	3.0	#56 Spectropho	2	
0094.Feige34	120	6:47	10:36:41.2	43:21:50	300	54	3.0	#56 Spectropho	2	
0095.COMP	10	6:50	10:36:41.2	43:21:50	300	54	3.0	#56 Spectropho	2	
0096.sn2004L	1200	6:59	10:27:04.1	+16:01:07	300	-15	3.0	#2 SN Observat	2	
0097.COMP	10	7:20	10:27:04.1	+16:01:07	300	-15	3.0	#2 SN Observat	2	
0098.N4051	150	7:22	12:03:09.7	+44:31:53	300	80	3.0	#6 AGN Monitor	4	
0099.N4051	150	7:25	12:03:09.7	+44:31:53	300	80	3.0	#6 AGN Monitor	4	
0100.COMP	5	7:28	12:03:09.7	+44:31:53	300	80	3.0	#6 AGN Monitor	4	
0101.N4151	30	7:29	12:10:32.6	+39:24:21	300	80	3.0	#6 AGN Monitor	4	
0102.N4151	30	7:29	12:10:32.6	+39:24:21	300	80	3.0	#6 AGN Monitor	4	
0103.COMP	5	7:31	12:10:32.6	+39:24:21	300	80	3.0	#6 AGN Monitor	4	
0104.M87	180	7:33	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0105.M87	180	7:36	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	
0106.COMP	5	7:39	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0107.cairnsk5_046	660	7:41	12:34:40.7	28:11:16	300	90	3.0	#64 Cluster In	4	
0108.COMP	5	7:52	12:34:40.7	28:11:16	300	90	3.0	#64 Cluster In	4	
0109.cairnsk5_047	720	7:53	12:45:29.5	33:8:4	300	90	3.0	#64 Cluster In	4	
0110.COMP	5	8:05	12:45:29.5	33:8:4	300	90	3.0	#64 Cluster In	4	
0111.cairnsk5_048	720	8:06	12:48:43.1	33:15:35	300	90	3.0	#64 Cluster In	4	
0112.COMP	5	8:19	12:48:43.1	33:15:35	300	90	3.0	#64 Cluster In	4	
0113.cairnsk5_049	720	8:19	12:59:6.5	26:32:55	300	90	3.0	#64 Cluster In	4	
0114.COMP	5	8:32	12:59:6.5	26:32:55	300	90	3.0	#64 Cluster In	4	
0115.cairnsk5_050	720	8:32	13:9:6.4	30:59:54	300	90	3.0	#64 Cluster In	4	
0116.COMP	5	8:44	13:9:6.4	30:59:54	300	90	3.0	#64 Cluster In	4	
0117.cairnsk5_051	720	8:45	13:15:53.7	25:2:50	300	90	3.0	#64 Cluster In	4	
0118.COMP	5	8:58	13:15:53.7	25:2:50	300	90	3.0	#64 Cluster In	4	
0119.cairnsk5_052	900	8:59	12:38:5.9	30:8:23	300	90	3.0	#64 Cluster In	4	
0120.COMP	5	9:14	12:38:5.9	30:8:23	300	90	3.0	#64 Cluster In	4	
0121.cairnsk5_053	720	9:15	12:45:36.6	31:56:6	300	90	3.0	#64 Cluster In	4	
0122.COMP	5	9:27	12:45:36.6	31:56:6	300	90	3.0	#64 Cluster In	4	
0123.cairnsk5_054	720	9:28	13:0:3.6	26:49:13	300	90	3.0	#64 Cluster In	4	
0124.COMP	5	9:40	13:0:3.6	26:49:13	300	90	3.0	#64 Cluster In	4	
0125.cairnsk5_055	660	9:41	13:17:39.6	25:32:46	300	90	3.0	#64 Cluster In	4	
0126.COMP	5	9:52	13:17:39.6	25:32:46	300	90	3.0	#64 Cluster In	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>
0127.sn2004Z	960	9:59	13:32:17.3	60:23:43	300	20	3.0	#2 SN Observat	2	fog
0128.COMP	10	10:16	13:32:17.3	60:23:43	300	20	3.0	#2 SN Observat	2	
0129-0138.BIAS	0	11:28	13:32:17.3	60:23:43	300	90	3.0	#112 Orion PMS	4	
0139-0148.FLAT	8	11:31	13:32:17.3	60:23:43	300	90	3.0	#112 Orion PMS	4	
0149-0158.BIAS	0	11:34	13:32:17.3	60:23:43	300	90	3.0	#112 Orion PMS	2	
0159-0168.FLAT	16	11:39	13:32:17.3	60:23:43	300	90	3.0	#112 Orion PMS	2	
0169-0173.DARK	1200	13:08	13:32:17.3	60:23:43	300	90	3.0	#112 Orion PMS	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>
0001-0010.DARK	900	0:46	13:32:17.3	60:23:43	300	90	3.0	#112 Orion PMS	4	
0011-0020.BIAS	0	1:03	13:32:17.3	60:23:43	300	90	3.0	#112 Orion PMS	4	
0021-0030.FLAT	8	1:06	13:32:17.3	60:23:43	300	90	3.0	#112 Orion PMS	4	
0031-0040.BIAS	0	1:08	13:32:17.3	60:23:43	300	90	3.0	#112 Orion PMS	2	
0041-0050.FLAT	16	1:14	13:32:17.3	60:23:43	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	0:06	02:55:06.6	+31:28:47	300	90	3.0	#112 Orion PMS	4	clouds,fog,snow
0002-0010.BIAS	0	0:07	02:56:11.7	+31:28:48	300	90	3.0	#112 Orion PMS	4	
0011-0020.FLAT	8	0:11	02:59:44.1	+31:28:48	300	90	3.0	#112 Orion PMS	4	
0021-0030.BIAS	0	0:13	03:01:58.3	+31:28:49	300	90	3.0	#112 Orion PMS	2	
0031-0034.FLAT	16	0:15	03:04:25.8	+31:28:49	300	90	3.0	#112 Orion PMS	2	
0035-0040.FLAT	16	0:19	03:08:02.5	+31:28:50	300	90	3.0	#112 Orion PMS	2	
0041.Feige34	150	7:54	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0042.Feige34	180	7:56	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0043.COMP	10	8:00	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0044.N3227	180	8:10	10:23:30.6	+19:51:54	300	33	3.0	#6 AGN Monitor	4	
0045.N3227	180	8:13	10:23:30.6	+19:51:54	300	33	3.0	#6 AGN Monitor	4	
0046.COMP	5	8:17	10:23:30.6	+19:51:54	300	33	3.0	#6 AGN Monitor	4	
0047.MRK421	360	8:18	11:04:27.4	+38:12:32	300	0	3.0	#133 MRK421 an	4	
0048.MRK421	360	8:24	11:04:27.4	+38:12:32	300	0	3.0	#133 MRK421 an	4	
0049.COMP	5	8:30	11:04:27.4	+38:12:32	300	0	3.0	#133 MRK421 an	4	
0050.cairnsk5_056	900	11:07	13:21:22.9	26:35:49	300	0	3.0	#64 Cluster In	4	
0051.COMP	5	11:22	13:21:22.9	26:35:49	300	0	3.0	#64 Cluster In	4	
0052.sn2004ab	1200	11:24	13:16:58.1	-16:37:52	300	22	3.0	#2 SN Observat	2	
0053.COMP	10	11:44	13:16:58.1	-16:37:52	300	22	3.0	#2 SN Observat	2	
0054.cairnsk5_057	900	11:49	12:33:21.1	27:46:49	300	90	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.COMP	5	12:05	12:33:21.1	27:46:49	300	90	3.0	#64 Cluster In	4	
0056.cairnsk5_058	900	12:06	13:3:31.5	22:50:48	300	90	3.0	#64 Cluster In	4	
0057.COMP	5	12:21	13:3:31.5	22:50:48	300	90	3.0	#64 Cluster In	4	
0058.cairnsk5_059	900	12:21	13:3:42.3	32:59:22	300	90	3.0	#64 Cluster In	4	
0059.COMP	5	12:37	13:3:42.3	32:59:22	300	90	3.0	#64 Cluster In	4	
0060.cairnsk5_060	720	12:38	13:5:0.6	23:29:28	300	90	3.0	#64 Cluster In	4	
0061.COMP	5	12:50	13:5:0.6	23:29:28	300	90	3.0	#64 Cluster In	4	
0062.N5548	300	12:51	14:17:59.6	+25:08:12	300	67	3.0	#6 AGN Monitor	4	stopped by fog again at dawn
0063.COMP	5	12:57	14:17:59.6	+25:08:12	300	67	3.0	#6 AGN Monitor	4	
0064-0073.BIAS	0	13:00	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0074-0083.FLAT	8	13:04	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0084-0093.BIAS	0	13:06	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	
0094-0103.FLAT	16	13:12	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	0:00	03:07:54.2	+31:28:50	300	90	3.0	#112 Orion PMS	4	
0002.DARK	900	0:15	03:23:04.5	+31:28:54	300	90	3.0	#112 Orion PMS	4	
0003.DARK	900	0:30	03:38:15.2	+31:28:58	300	90	3.0	#112 Orion PMS	4	
0004.DARK	900	0:45	03:53:22.0	+31:29:02	300	90	3.0	#112 Orion PMS	4	
0005.DARK	900	1:00	04:08:32.3	+31:29:06	300	90	3.0	#112 Orion PMS	4	
0006.DARK	900	1:15	04:23:42.6	+31:29:10	300	90	3.0	#112 Orion PMS	4	
0007.DARK	900	1:31	04:38:49.4	+31:29:15	300	90	3.0	#112 Orion PMS	4	
0008.DARK	900	1:46	04:53:59.9	+31:29:20	300	90	3.0	#112 Orion PMS	4	
0009.DARK	900	2:01	05:09:06.7	+31:29:25	300	90	3.0	#112 Orion PMS	4	
0010.DARK	900	2:16	05:24:17.2	+31:29:30	300	90	3.0	#112 Orion PMS	4	
0011-0020.BIAS	0	2:53	05:46:33.2	+31:29:38	300	90	3.0	#112 Orion PMS	4	
0021-0023.FLAT	6	2:54	05:47:26.0	+31:29:38	300	90	3.0	#112 Orion PMS	4	
0024-0030.FLAT	6	2:55	05:48:56.8	+31:29:39	300	90	3.0	#112 Orion PMS	4	
0031-0040.BIAS	0	3:00	05:53:08.5	+31:29:40	300	90	3.0	#112 Orion PMS	2	
0041-0046.FLAT	12	3:02	05:55:49.0	+31:29:41	300	90	3.0	#112 Orion PMS	2	
0047-0050.FLAT	12	3:04	05:57:25.0	+31:29:42	300	90	3.0	#112 Orion PMS	2	
0051.FLAT	6	4:52	07:46:13.4	+31:30:22	300	90	3.0	#112 Orion PMS	4	
0052.Hiltner600	70	4:59	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0053.COMP	5	5:01	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0054.Hiltner600	70	5:01	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.COMP	12	5:03	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0056.Hiltner600	70	5:04	06:42:37.2	02:11:25	300	29	3.0	#56 Spectropho	2	
0057.COMP	12	5:06	06:42:37.2	02:11:25	300	29	3.0	#56 Spectropho	2	
0058.CesarsStar	600	5:11	5:46:19	-00:05:38	300	90	3.0	#112 Orion PMS	2	
0059.COMP	12	5:21	5:46:19	-00:05:38	300	90	3.0	#112 Orion PMS	2	
0060.105912p16520.b	1200	9:26	11:1:53.3	16:39:54	300	110	3.0	#113 Interacti	2	
0061.105912p16520.b	1200	9:47	11:1:53.3	16:39:54	300	110	3.0	#113 Interacti	2	
0062.COMP	12	10:07	11:1:53.3	16:39:54	300	110	3.0	#113 Interacti	2	
0063.111942p13000.b	1200	10:08	11:22:18.0	12:40:27	300	90	3.0	#113 Interacti	2	
0064.111942p13000.b	1200	10:28	11:22:18.0	12:40:27	300	90	3.0	#113 Interacti	2	
0065.COMP	12	10:49	11:22:18.0	12:40:27	300	90	3.0	#113 Interacti	2	
0066.sn2004Z	1200	10:55	13:32:17.3	60:23:43	300	-7	3.0	#2 SN Observat	2	
0067.sn2004Z	1200	11:16	13:32:17.3	60:23:43	300	-7	3.0	#2 SN Observat	2	
0068.COMP	12	11:36	13:32:17.3	60:23:43	300	-7	3.0	#2 SN Observat	2	
0069.hs2501	480	11:43	13:23:49.4	53:06:33	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=440
0070.COMP	10	11:52	13:23:49.4	53:06:33	600	90	2.0	#122 Halo Star	4	
0071.hs2502	180	11:53	13:24:00.7	49:22:32	600	90	2.0	#122 Halo Star	4	
0072.COMP	10	11:57	13:24:00.7	49:22:32	600	90	2.0	#122 Halo Star	4	
0073.hs2503	390	11:59	13:24:06.1	60:57:02	600	90	2.0	#122 Halo Star	4	
0074.COMP	10	12:07	13:24:06.1	60:57:02	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0075.hs2504	660	12:12	13:24:29.0	78:18:01	600	90	2.0	#122 Halo Star	4	
0076.COMP	10	12:24	13:24:29.0	78:18:01	600	90	2.0	#122 Halo Star	4	
0077.hs2505	600	12:25	13:24:52.4	45:40:24	600	90	2.0	#122 Halo Star	4	
0078.COMP	10	12:36	13:24:52.4	45:40:24	600	90	2.0	#122 Halo Star	4	
0079.hs2506	270	12:37	13:25:11.6	59:31:05	600	90	2.0	#122 Halo Star	4	
0080.COMP	10	12:42	13:25:11.6	59:31:05	600	90	2.0	#122 Halo Star	4	
0081.hs2507	900	12:44	13:25:15.5	72:31:47	600	90	2.0	#122 Halo Star	4	
0082.COMP	10	12:59	13:25:15.5	72:31:47	600	90	2.0	#122 Halo Star	4	
0083.BDp332642	45	13:02	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0084.BDp332642	45	13:03	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0085.COMP	10	13:04	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0086-0095.FLAT	40	13:15	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0096-0105.BIAS	0	13:20	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0106-0115.DARK	900	15:39	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:00	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	4	
0011-0020.BIAS	0	1:26	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	4	
0021-0030.FLAT	6	1:29	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	4	
0031-0040.BIAS	0	1:32	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	
0041-0050.FLAT	12	1:40	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	
0051.FLAT	12	1:44	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	tilt=567
0052-0060.FLAT	12	1:47	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	
0061.FLAT	12	1:52	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	back to tilt=605 (619)
0062-0070.FLAT	12	1:56	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	
0071.Hiltner600	45	2:25	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0072.Hiltner600	45	2:26	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0073.COMP	5	2:27	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0074.Hiltner600	45	2:28	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0075.Hiltner600	45	2:29	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0076.COMP	12	2:30	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0077.Hiltner600	45	2:34	06:42:37.2	02:11:25	300	-30	3.0	#56 Spectropho	2	
0078.Hiltner600	45	2:35	06:42:37.2	02:11:25	300	-30	3.0	#56 Spectropho	2	
0079.COMP	12	2:36	06:42:37.2	02:11:25	300	-30	3.0	#56 Spectropho	2	
0080.HD19445	5	2:44	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	
0081.HD19445	5	2:44	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0082.COMP	12	2:45	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	
0083.vso-111920	1200	2:48	05:51:02.5	+00:58:17	300	90	3.0	#112 Orion PMS	2	
0084.COMP	12	3:09	05:51:02.5	+00:58:17	300	90	3.0	#112 Orion PMS	2	
0085.vso-112136	1200	3:10	05:51:11.2	+00:57:19	300	90	3.0	#112 Orion PMS	2	
0086.COMP	12	3:30	05:51:11.2	+00:57:19	300	90	3.0	#112 Orion PMS	2	
0087.vso-113249	1200	3:32	05:51:53.1	+01:19:48	300	90	3.0	#112 Orion PMS	2	
0088.COMP	12	3:52	05:51:53.1	+01:19:48	300	90	3.0	#112 Orion PMS	2	
0089.vso-113668	1020	3:55	05:52:07.9	+01:07:47	300	90	3.0	#112 Orion PMS	2	
0090.COMP	12	4:12	05:52:07.9	+01:07:47	300	90	3.0	#112 Orion PMS	2	
0091.vso-114098	720	4:14	05:49:57.9	+01:33:55	300	90	3.0	#112 Orion PMS	2	
0092.COMP	12	4:27	05:49:57.9	+01:33:55	300	90	3.0	#112 Orion PMS	2	
0093.vso-116754	1200	4:29	05:54:00.7	+01:12:42	300	90	3.0	#112 Orion PMS	2	
0094.COMP	12	4:49	05:54:00.7	+01:12:42	300	90	3.0	#112 Orion PMS	2	
0095.vso-117267	900	4:52	05:54:19.9	+01:01:35	300	90	3.0	#112 Orion PMS	2	
0096.COMP	12	5:08	05:54:19.9	+01:01:35	300	90	3.0	#112 Orion PMS	2	
0097.vso-121284	1200	5:12	05:56:35.8	+01:08:01	300	90	3.0	#112 Orion PMS	2	
0098.COMP	12	5:32	05:56:35.8	+01:08:01	300	90	3.0	#112 Orion PMS	2	
0099.BGGem	300	5:36	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0100.COMP	12	5:41	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0101.BGGem	1200	5:42	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	

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0102.COMP	12	6:02	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0103.HD84937	5	6:06	09:48:56.1	13:44:39	300	-29	3.0	#56 Spectropho	2	
0104.HD84937	5	6:06	09:48:56.1	13:44:39	300	-29	3.0	#56 Spectropho	2	
0105.COMP	12	6:07	09:48:56.1	13:44:39	300	-29	3.0	#56 Spectropho	2	
0106.sn2004L	1200	6:15	10:27:04.1	+16:01:07	300	-40	3.0	#2 SN Observat	2	
0107.COMP	12	6:35	10:27:04.1	+16:01:07	300	-40	3.0	#2 SN Observat	2	
0108.c10910p6012	1200	6:39	09:10:10.1	+60:12:31	300	0	3.0	#150 Distant C	2	emission?
0109.COMP	12	7:07	09:10:10.1	+60:12:31	300	0	3.0	#150 Distant C	2	comp troubles....
0110.c10953p6947	1200	7:11	09:53:43.3	+69:47:38	300	90	3.0	#150 Distant C	2	
0111.c10953p6947	1200	7:31	09:53:43.3	+69:47:38	300	90	3.0	#150 Distant C	2	
0112.COMP	12	7:52	09:53:43.3	+69:47:38	300	90	3.0	#150 Distant C	2	
0113.c11142p1027	1200	7:54	11:42:15.3	+10:26:50	300	90	3.0	#150 Distant C	2	
0114.COMP	12	8:15	11:42:15.3	+10:26:50	300	90	3.0	#150 Distant C	2	
0115.N3227	150	8:17	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0116.N3227	150	8:19	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0117.COMP	12	8:26	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0118.N4151	150	8:27	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0119.N4151	150	8:30	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0120.N4151	150	8:33	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0121.COMP	12	8:38	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0122.N4151	30	8:39	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0123.N4151	30	8:40	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0124.COMP	12	8:41	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0125.N4051	150	8:42	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0126.N4051	150	8:45	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0127.N4051	150	8:48	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0128.COMP	12	8:50	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0129.M87	180	8:52	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0130.M87	180	8:55	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0131.COMP	12	8:59	12:30:49.4	12:23:28	300	90	3.0	#6 AGN Monitor	2	
0132.sn2004Z	1200	9:08	13:32:17.3	60:23:43	300	30	3.0	#2 SN Observat	2	row=72
0133.sn2004Z	1200	9:28	13:32:17.3	60:23:43	300	30	3.0	#2 SN Observat	2	
0134.COMP	12	9:48	13:32:17.3	60:23:43	300	30	3.0	#2 SN Observat	2	
0135.cairnsk5_061	660	9:51	13:7:2.5	29:53:52	300	90	3.0	#64 Cluster In	2	
0136.COMP	12	10:03	13:7:2.5	29:53:52	300	90	3.0	#64 Cluster In	2	
0137.cairnsk5_062	660	10:05	13:21:10.5	30:20:4	300	90	3.0	#64 Cluster In	2	
0138.COMP	12	10:16	13:21:10.5	30:20:4	300	90	3.0	#64 Cluster In	2	
0139.cairnsk5_063	600	10:18	13:21:22.2	25:57:3	300	90	3.0	#64 Cluster In	2	
0140.COMP	12	10:28	13:21:22.2	25:57:3	300	90	3.0	#64 Cluster In	2	
0141.hs2117	546	10:57	12:00:33.6	27:29:34	600	90	2.0	#122 Halo Star	4	

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0142.COMP	10	11:10	12:00:33.6	27:29:34	600	90	2.0	#122 Halo Star	4	
0143.hs2118	204	11:12	12:00:33.7	51:42:12	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	11:16	12:00:33.7	51:42:12	600	90	2.0	#122 Halo Star	4	
0145.hs2119	330	11:17	12:00:47.1	60:55:28	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	11:23	12:00:47.1	60:55:28	600	90	2.0	#122 Halo Star	4	
0147.hs2120	222	11:25	12:01:02.4	34:37:39	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	11:29	12:01:02.4	34:37:39	600	90	2.0	#122 Halo Star	4	
0149.hs2121	558	11:31	12:01:02.5	7:35:21	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	11:40	12:01:02.5	7:35:21	600	90	2.0	#122 Halo Star	4	
0151.hs2122	168	11:41	12:01:03.1	10:58:31	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	11:45	12:01:03.1	10:58:31	600	90	2.0	#122 Halo Star	4	
0153.hs2123	528	11:46	12:01:24.7	7:07:07	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	11:55	12:01:24.7	7:07:07	600	90	2.0	#122 Halo Star	4	
0155.hs2123	528	11:57	12:01:25.1	11:44:56	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	12:06	12:01:25.1	11:44:56	600	90	2.0	#122 Halo Star	4	
0157.hs2124	528	12:07	12:01:25.1	11:44:56	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	12:16	12:01:25.1	11:44:56	600	90	2.0	#122 Halo Star	4	
0159.hs2125	600	12:17	12:01:39.7	18:13:59	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	12:28	12:01:39.7	18:13:59	600	90	2.0	#122 Halo Star	4	
0161.hs2125	486	12:30	15:00:12.5	59:34:37	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0162.COMP	10	12:38	15:00:12.5	59:34:37	600	90	2.0	#122 Halo Star	4	
0163.hs2724	474	12:39	15:00:16.2	56:42:39	600	90	2.0	#122 Halo Star	4	
0164.COMP	12	12:48	15:00:16.2	56:42:39	600	90	2.0	#122 Halo Star	4	
0165.hs2725	198	12:50	15:01:12.0	54:29:03	600	90	2.0	#122 Halo Star	4	
0166.COMP	10	12:54	15:01:12.0	54:29:03	600	90	2.0	#122 Halo Star	4	
0167.hs2726	198	13:05	15:01:23.2	78:57:28	600	90	2.0	#122 Halo Star	4	
0168.COMP	10	13:09	15:01:23.2	78:57:28	600	90	2.0	#122 Halo Star	4	
0169.BDp332642	45	13:10	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0170.COMP	10	13:12	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0171-0180.FLAT	40	13:26	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0181-0190.BIAS	0	13:33	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0191-0200.DARK	900	15:51	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:35	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0011-0020.BIAS	0	1:54	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	4	
0021-0030.BIAS	0	1:58	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	
0031-0040.FLAT	12	2:02	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	
0041.FLAT	12	2:06	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	tilt=567
0042-0060.FLAT	12	2:16	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	2	
0061-0070.FLAT	6	2:19	15:50:03.0	33:05:49	300	90	3.0	#122 Halo Star	4	
0071.Hiltner600	60	2:23	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0072.COMP	5	2:24	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0073.Hiltner600	60	2:27	06:42:37.2	02:11:25	300	-30	3.0	#56 Spectropho	2	
0074.COMP	12	2:28	06:42:37.2	02:11:25	300	-30	3.0	#56 Spectropho	2	searching for holes
0075.HD19445	5	2:38	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	
0076.HD19445	5	2:38	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	
0077.COMP	12	2:39	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	
0078.vso-121598	1200	2:48	05:56:46.1	+01:02:12	300	90	3.0	#112 Orion PMS	2	
0079.COMP	12	3:08	05:56:46.1	+01:02:12	300	90	3.0	#112 Orion PMS	2	
0080.2MASX_J04551071	900	3:11	4:55:10.7	05:35:12	300	45	3.0	#113 Interacti	2	
0081.2MASX_J04551071	900	3:26	4:55:10.7	05:35:12	300	45	3.0	#113 Interacti	2	
0082.COMP	12	3:41	4:55:10.7	05:35:12	300	45	3.0	#113 Interacti	2	
0083.2MASX_J04551088	1200	3:43	04:55:10.8	05:35:3	300	45	3.0	#113 Interacti	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0084.2MA5X_J04551088	1200	4:03	04:55:10.8	05:35:3	300	45	3.0	#113 Interacti	2	
0085.COMP	12	4:24	04:55:10.8	05:35:3	300	45	3.0	#113 Interacti	2	
0086.vso-122797	1200	4:28	05:57:25.9	+01:18:27	300	60	3.0	#112 Orion PMS	2	
0087.COMP	12	4:48	05:57:25.9	+01:18:27	300	60	3.0	#112 Orion PMS	2	
0088.vso-123688	1200	4:49	05:57:48.4	+01:06:47	300	60	3.0	#112 Orion PMS	2	
0089.COMP	12	5:10	05:57:48.4	+01:06:47	300	60	3.0	#112 Orion PMS	2	
0090.vso-124420	1200	5:12	05:58:08.3	+01:10:38	300	90	3.0	#112 Orion PMS	2	
0091.COMP	12	5:33	05:58:08.3	+01:10:38	300	90	3.0	#112 Orion PMS	2	
0092.vso-125198	1200	5:35	05:58:35.8	+01:10:39	300	90	3.0	#112 Orion PMS	2	
0093.COMP	12	5:56	05:58:35.8	+01:10:39	300	90	3.0	#112 Orion PMS	2	
0094.080442p39180_b	1200	5:58	8:8:0.7	39:9:45	300	90	3.0	#113 Interacti	2	
0095.080442p39180_b	1200	6:19	8:8:0.7	39:9:45	300	90	3.0	#113 Interacti	2	
0096.COMP	12	6:39	8:8:0.7	39:9:45	300	90	3.0	#113 Interacti	2	
0097.080442p39180_d	1500	6:43	8:7:54.8	39:6:23	300	90	3.0	#113 Interacti	2	
0098.080442p39180_d	1500	7:08	8:7:54.8	39:6:23	300	90	3.0	#113 Interacti	2	
0099.COMP	12	7:34	8:7:54.8	39:6:23	300	90	3.0	#113 Interacti	2	
0100.080612p16490_c	900	7:36	8:9:8.6	16:36:36	300	90	3.0	#113 Interacti	2	
0101.080612p16490_c	900	7:51	8:9:8.6	16:36:36	300	90	3.0	#113 Interacti	2	
0102.COMP	12	8:07	8:9:8.6	16:36:36	300	90	3.0	#113 Interacti	2	
0103.HD84937	5	8:09	09:48:56.1	13:44:39	300	43	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0104.HD84937	5	8:09	09:48:56.1	13:44:39	300	43	3.0	#56 Spectropho	2	
0105.COMP	12	8:09	09:48:56.1	13:44:39	300	43	3.0	#56 Spectropho	2	
0106.sn2004L	1200	8:12	10:27:04.1	+16:01:07	300	15	3.0	#2 SN Observat	2	
0107.COMP	12	8:32	10:27:04.1	+16:01:07	300	15	3.0	#2 SN Observat	2	
0108.hs1735	462	8:52	10:49:13.1	35:54:32	600	85	2.0	#122 Halo Star	4	2arcsec, 600L, tilt=440
0109.COMP	10	9:00	10:49:13.1	35:54:32	600	85	2.0	#122 Halo Star	4	
0110.hs1736	606	9:01	10:49:28.9	27:54:23	600	85	2.0	#122 Halo Star	4	
0111.COMP	10	9:12	10:49:28.9	27:54:23	600	85	2.0	#122 Halo Star	4	
0112.hs1737	180	9:13	10:49:42.3	28:15:34	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	9:17	10:49:42.3	28:15:34	600	90	2.0	#122 Halo Star	4	
0114.hs1738	582	9:17	10:49:44.1	37:31:55	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	9:28	10:49:44.1	37:31:55	600	90	2.0	#122 Halo Star	4	
0116.hs1739	582	9:29	10:50:03.7	30:12:35	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	9:41	10:50:03.7	30:12:35	600	90	2.0	#122 Halo Star	4	
0118.hs1741	396	9:42	10:50:49.1	16:54:20	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	9:49	10:50:49.1	16:54:20	600	90	2.0	#122 Halo Star	4	
0120.hs1742	552	9:50	10:50:54.6	36:25:50	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	10:00	10:50:54.6	36:25:50	600	90	2.0	#122 Halo Star	4	
0122.hs1743	522	10:01	10:50:55.5	25:12:05	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	10:11	10:50:55.5	25:12:05	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.hs1744	240	10:13	10:51:01.8	34:01:35	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	10:17	10:51:01.8	34:01:35	600	90	2.0	#122 Halo Star	4	
0126.hs1745	228	10:18	10:51:26.3	28:42:26	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	10:22	10:51:26.3	28:42:26	600	90	2.0	#122 Halo Star	4	
0128.hs1746	594	10:23	10:51:34.1	22:39:52	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	10:33	10:51:34.1	22:39:52	600	90	2.0	#122 Halo Star	4	
0130.hs1747	264	10:34	10:52:11.6	26:13:55	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	10:39	10:52:11.6	26:13:55	600	90	2.0	#122 Halo Star	4	
0132.hs1749	486	10:40	10:52:22.6	15:52:15	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	10:49	10:52:22.6	15:52:15	600	90	2.0	#122 Halo Star	4	
0134.hs1750	234	10:50	10:53:00.7	26:34:21	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	10:54	10:53:00.7	26:34:21	600	90	2.0	#122 Halo Star	4	
0136.hs1751	240	10:55	10:53:03.9	31:04:42	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	11:00	10:53:03.9	31:04:42	600	90	2.0	#122 Halo Star	4	
0138.hs1752	546	11:01	10:53:19.5	37:34:12	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	11:11	10:53:19.5	37:34:12	600	90	2.0	#122 Halo Star	4	
0140.hs1753	174	11:12	10:53:28.4	21:51:28	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	11:15	10:53:28.4	21:51:28	600	90	2.0	#122 Halo Star	4	
0142.BDp332642	20	11:17	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0143.COMP	10	11:18	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0144.BDp332642	40	11:19	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0145.COMP	10	11:20	15:50:03.0	33:05:49	600	90	2.0	#56 Spectropho	4	
0146-0155.FLAT	40	11:28	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0156.cairnsk5_064	1200	11:36	12:36:59.3	30:18:45	300	90	3.0	#64 Cluster In	4	combo setup, clouds...
0157.COMP	5	11:57	12:36:59.3	30:18:45	300	90	3.0	#64 Cluster In	4	
0158.cairnsk5_065	1200	11:58	12:38:4.1	30:7:54	300	90	3.0	#64 Cluster In	4	
0159.COMP	5	12:19	12:38:4.1	30:7:54	300	90	3.0	#64 Cluster In	4	
0160.cairnsk5_066	1020	12:20	12:59:39.9	31:27:7	300	90	3.0	#64 Cluster In	4	
0161.COMP	5	12:37	12:59:39.9	31:27:7	300	90	3.0	#64 Cluster In	4	
0162.BDp332642	70	13:00	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0163.COMP	5	13:02	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0164-0173.BIAS	0	13:04	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0174-0183.FLAT	6	13:10	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0184-0193.BIAS	0	13:13	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0194-0203.FLAT	12	13:21	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0204-0213.DARK	900	15:41	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	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>Bir</i>	<i>Comments</i>
0001-0009.DARK	900	1:22	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0010-0020.BIAS	0	2:02	05:07:25.4	+31:29:24	300	90	3.0	#56 Spectropho	4	
0021-0028.FLAT	8	2:05	05:10:14.4	+31:29:25	300	90	3.0	#56 Spectropho	4	
0029-0030.FLAT	8	2:06	05:10:57.6	+31:29:26	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	2:08	05:13:08.1	+31:29:26	300	90	3.0	#56 Spectropho	2	
0041-0045.FLAT	16	2:11	05:16:10.3	+31:29:27	300	90	3.0	#56 Spectropho	2	
0046-0049.FLAT	16	2:13	05:18:37.1	+31:29:28	300	90	3.0	#56 Spectropho	2	
0050.FLAT	16	2:14	05:19:12.2	+31:29:29	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	20:00	23:23:43.5	+31:28:40	300	90	3.0	#56 Spectropho	4	
0002.DARK	900	20:16	23:38:58.7	+31:28:38	300	90	3.0	#56 Spectropho	4	
0003.DARK	900	20:31	23:54:09.4	+31:28:36	300	90	3.0	#56 Spectropho	4	
0004-0005.DARK	900	21:01	00:24:35.0	+31:28:35	300	90	3.0	#56 Spectropho	4	
0006.DARK	900	21:16	00:39:49.7	+31:28:34	300	90	3.0	#56 Spectropho	4	
0007-0008.DARK	900	21:47	01:10:15.5	+31:28:35	300	90	3.0	#56 Spectropho	4	
0009.DARK	900	22:02	01:25:26.7	+31:28:36	300	90	3.0	#56 Spectropho	4	
0010.DARK	900	22:17	01:40:41.2	+31:28:37	300	90	3.0	#56 Spectropho	4	
0011.DARK	900	22:32	01:55:56.3	+31:28:39	300	90	3.0	#56 Spectropho	2	snow, fog
0012.DARK	900	22:48	02:11:11.7	+31:28:41	300	90	3.0	#56 Spectropho	2	
0013.DARK	900	23:03	02:26:31.1	+31:28:43	300	90	3.0	#56 Spectropho	2	
0014.DARK	900	23:18	02:41:50.3	+31:28:45	300	90	3.0	#56 Spectropho	2	
0015.DARK	900	23:33	02:57:05.7	+31:28:48	300	90	3.0	#56 Spectropho	2	
0016.DARK	900	23:49	03:12:24.8	+31:28:52	300	90	3.0	#56 Spectropho	2	
0017.DARK	900	0:04	03:27:43.9	+31:28:55	300	90	3.0	#56 Spectropho	2	
0018.DARK	900	0:19	03:42:59.8	+31:28:59	300	90	3.0	#56 Spectropho	2	
0019.DARK	900	0:34	03:58:18.8	+31:29:03	300	90	3.0	#56 Spectropho	2	
0020.DARK	900	0:50	04:13:38.4	+31:29:08	300	90	3.0	#56 Spectropho	2	
0021-0030.BIAS	0	1:20	04:28:31.7	+31:29:12	300	90	3.0	#56 Spectropho	4	
0031-0034.FLAT	8	1:21	04:29:54.6	+31:29:12	300	90	3.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0035-0040.FLAT	8	1:23	04:32:00.2	+31:29:13	300	90	3.0	#56 Spectropho	4	
0041-0046.BIAS	0	1:24	04:33:22.5	+31:29:13	300	90	3.0	#56 Spectropho	2	
0047-0050.BIAS	0	1:25	04:34:14.3	+31:29:14	300	90	3.0	#56 Spectropho	2	
0051-0054.FLAT	16	1:27	04:36:37.0	+31:29:14	300	90	3.0	#56 Spectropho	2	
0055-0059.FLAT	16	1:30	04:39:39.6	+31:29:15	300	90	3.0	#56 Spectropho	2	
0060.FLAT	16	1:31	04:40:14.7	+31:29:16	300	90	3.0	#56 Spectropho	2	
0061.COMP	5	2:28	05:37:16.2	+31:29:35	300	90	3.0	#56 Spectropho	4	
0062.COMP	10	3:48	06:22:57.5	+22:30:49	600	90	2.0	Bright Stars	4	
0063.FLAT	40	3:50	06:22:57.5	+22:30:49	600	90	2.0	Bright Stars	4	clearing
0064-0072.FLAT	40	3:57	06:22:57.5	+22:30:49	600	90	2.0	Bright Stars	4	
0073.hs1755	900	4:09	10:53:31.9	25:14:50	600	90	2.0	#122 Halo Star	4	
0074.COMP	10	4:24	10:53:31.9	25:14:50	600	90	2.0	#122 Halo Star	4	
0075.hs1756	1200	4:25	10:53:48.9	16:19:11	600	90	2.0	#122 Halo Star	4	
0076.COMP	10	4:46	10:53:48.9	16:19:11	600	90	2.0	#122 Halo Star	4	
0077.hs1757	1200	4:48	10:54:00.5	38:17:46	600	90	2.0	#122 Halo Star	4	
0078.COMP	10	5:09	10:54:00.5	38:17:46	600	90	2.0	#122 Halo Star	4	
0079.hs1758	1200	5:11	10:54:20.7	17:52:31	600	90	2.0	#122 Halo Star	4	
0080.COMP	10	5:31	10:54:20.7	17:52:31	600	90	2.0	#122 Halo Star	4	
0081.hs1759	600	5:32	10:54:27.6	21:11:29	600	90	2.0	#122 Halo Star	4	
0082.COMP	10	5:42	10:54:27.6	21:11:29	600	90	2.0	#122 Halo Star	4	

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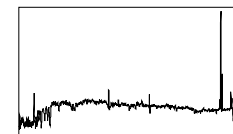
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0083.hs1844	720	5:46	11:15:01.8	27:37:34	600	90	2.0	#122 Halo Star	4	
0084.COMP	10	5:59	11:15:01.8	27:37:34	600	90	2.0	#122 Halo Star	4	
0085.hs1845	900	6:00	11:15:14.5	37:45:14	600	90	2.0	#122 Halo Star	4	
0086.COMP	10	6:15	11:15:14.5	37:45:14	600	90	2.0	#122 Halo Star	4	
0087.hs1846	900	6:16	11:15:52.3	24:24:12	600	90	2.0	#122 Halo Star	4	
0088.COMP	10	6:31	11:15:52.3	24:24:12	600	90	2.0	#122 Halo Star	4	
0089.hs1847	300	6:33	11:15:58.0	21:19:25	600	90	2.0	#122 Halo Star	4	
0090.COMP	10	6:38	11:15:58.0	21:19:25	600	90	2.0	#122 Halo Star	4	
0091.hs1848	420	6:39	11:16:01.4	24:27:59	600	90	2.0	#122 Halo Star	4	
0092.COMP	10	6:46	11:16:01.4	24:27:59	600	90	2.0	#122 Halo Star	4	
0093.hs1849	300	6:47	11:16:16.3	49:54:03	600	90	2.0	#122 Halo Star	4	
0094.COMP	10	6:52	11:16:16.3	49:54:03	600	90	2.0	#122 Halo Star	4	
0095.hs1853	300	6:53	11:17:06.0	38:10:28	600	90	2.0	#122 Halo Star	4	
0096.COMP	10	6:58	11:17:06.0	38:10:28	600	90	2.0	#122 Halo Star	4	
0097.hs1851	240	6:59	11:16:17.2	15:01:48	600	90	2.0	#122 Halo Star	4	
0098.COMP	10	7:04	11:16:17.2	15:01:48	600	90	2.0	#122 Halo Star	4	
0099.hs1850	420	7:04	11:16:16.7	10:29:15	600	90	2.0	#122 Halo Star	4	
0100.COMP	10	7:12	11:16:16.7	10:29:15	600	90	2.0	#122 Halo Star	4	
0101.hs1852	300	7:13	11:16:25.9	8:22:48	600	90	2.0	#122 Halo Star	4	
0102.COMP	10	7:18	11:16:25.9	8:22:48	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0103.hs1855	300	7:19	11:17:19.9	24:12:07	600	90	2.0	#122 Halo Star	4	
0104.COMP	10	7:25	11:17:19.9	24:12:07	600	90	2.0	#122 Halo Star	4	
0105.hs1857	240	7:25	11:17:42.4	21:31:01	600	90	2.0	#122 Halo Star	4	
0106.COMP	10	7:30	11:17:42.4	21:31:01	600	90	2.0	#122 Halo Star	4	
0107.hs1854	900	7:31	11:17:09.8	42:15:28	600	90	2.0	#122 Halo Star	4	
0108.COMP	10	7:46	11:17:09.8	42:15:28	600	90	2.0	#122 Halo Star	4	
0109.hs1858	300	7:48	11:17:48.3	31:44:27	600	90	2.0	#122 Halo Star	4	
0110.COMP	10	7:53	11:17:48.3	31:44:27	600	90	2.0	#122 Halo Star	4	
0111.hs1859	240	7:54	11:17:53.8	25:23:29	600	90	2.0	#122 Halo Star	4	
0112.COMP	10	7:58	11:17:53.8	25:23:29	600	90	2.0	#122 Halo Star	4	
0113.hs1860	300	7:59	11:18:03.7	44:18:06	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	8:04	11:18:03.7	44:18:06	600	90	2.0	#122 Halo Star	4	
0115.hs1861	900	8:06	11:18:08.6	18:08:23	600	90	2.0	#122 Halo Star	4	
0116.COMP	10	8:21	11:18:08.6	18:08:23	600	90	2.0	#122 Halo Star	4	
0117.hs1862	180	8:22	11:18:08.8	16:15:15	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	8:25	11:18:08.8	16:15:15	600	90	2.0	#122 Halo Star	4	
0119.hs1863	420	8:26	11:18:08.8	20:10:23	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	8:33	11:18:08.8	20:10:23	600	90	2.0	#122 Halo Star	4	
0121.hs1864	420	8:34	11:18:15.0	14:34:52	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	8:41	11:18:15.0	14:34:52	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0123.hs1810	600	8:43	11:08:17.8	77:23:14	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	8:54	11:08:17.8	77:23:14	600	90	2.0	#122 Halo Star	4	
0125.hs1809	360	8:55	11:08:06.7	79:36:21	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	9:02	11:08:06.7	79:36:21	600	90	2.0	#122 Halo Star	4	
0127.hs1815	300	9:03	11:09:40.7	74:55:29	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	9:08	11:09:40.7	74:55:29	600	90	2.0	#122 Halo Star	4	
0129.hs1819	180	9:09	11:10:44.7	76:21:23	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	9:12	11:10:44.7	76:21:23	600	90	2.0	#122 Halo Star	4	
0131.hs1823	300	9:13	11:11:14.5	75:02:47	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	9:18	11:11:14.5	75:02:47	600	90	2.0	#122 Halo Star	4	
0133.hs1825	420	9:19	11:11:28.6	72:15:01	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	9:26	11:11:28.6	72:15:01	600	90	2.0	#122 Halo Star	4	
0135.hs1828	210	9:27	11:12:14.8	70:08:12	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	9:31	11:12:14.8	70:08:12	600	90	2.0	#122 Halo Star	4	
0137.hs1856	330	9:32	11:17:34.5	76:32:15	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	9:38	11:17:34.5	76:32:15	600	90	2.0	#122 Halo Star	4	
0139.hs1865	900	9:39	11:18:15.9	78:19:37	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	9:54	11:18:15.9	78:19:37	600	90	2.0	#122 Halo Star	4	
0141.hs1868	900	9:55	11:18:27.2	74:47:15	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	10:10	11:18:27.2	74:47:15	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0143.hs1873	210	10:11	11:18:46.2	75:45:12	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	10:15	11:18:46.2	75:45:12	600	90	2.0	#122 Halo Star	4	
0145.hs1901	1200	10:16	11:25:43.8	73:17:02	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	10:36	11:25:43.8	73:17:02	600	90	2.0	#122 Halo Star	4	
0147.hs1908	1200	10:37	11:26:47.5	76:48:08	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	10:57	11:26:47.5	76:48:08	600	90	2.0	#122 Halo Star	4	
0149.hs1923	900	10:59	11:29:35.5	79:11:38	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	11:14	11:29:35.5	79:11:38	600	90	2.0	#122 Halo Star	4	
0151.hs2126	480	11:16	12:01:51.1	35:04:47	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	11:25	12:01:51.1	35:04:47	600	90	2.0	#122 Halo Star	4	
0153.hs2127	600	11:26	12:01:58.7	51:06:30	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	11:36	12:01:58.7	51:06:30	600	90	2.0	#122 Halo Star	4	
0155.hs2128	240	11:37	12:02:15.6	53:27:46	600	90	2.0	#122 Halo Star	4	
0156.COMP	10	11:41	12:02:15.6	53:27:46	600	90	2.0	#122 Halo Star	4	
0157.hs2129	900	11:42	12:02:18.0	52:52:48	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	11:57	12:02:18.0	52:52:48	600	90	2.0	#122 Halo Star	4	
0159.hs2132	330	11:58	12:02:31.7	53:31:52	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	12:04	12:02:31.7	53:31:52	600	90	2.0	#122 Halo Star	4	
0161.hs2133	600	12:04	12:02:37.0	45:32:04	600	90	2.0	#122 Halo Star	4	
0162.COMP	10	12:15	12:02:37.0	45:32:04	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0163.hs2130	300	12:16	12:02:22.0	28:05:11	600	90	2.0	#122 Halo Star	4	
0164.COMP	10	12:21	12:02:22.0	28:05:11	600	90	2.0	#122 Halo Star	4	
0165.hs2131	360	12:22	12:02:24.2	17:34:58	600	90	2.0	#122 Halo Star	4	
0166.COMP	10	12:28	12:02:24.2	17:34:58	600	90	2.0	#122 Halo Star	4	
0167.hs2135	900	12:29	12:02:54.4	10:19:45	600	90	2.0	#122 Halo Star	4	
0168.COMP	10	12:44	12:02:54.4	10:19:45	600	90	2.0	#122 Halo Star	4	
0169.hs2134	300	12:45	12:02:42.0	35:08:51	600	90	2.0	#122 Halo Star	4	
0170.COMP	10	12:50	12:02:42.0	35:08:51	600	90	2.0	#122 Halo Star	4	
0171.BDp332642	120	12:52	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0172.BDp332642	120	12:54	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0173.COMP	10	12:57	15:50:03.0	33:05:49	600	90	2.0	#122 Halo Star	4	
0174-0183.BIAS	0	12:59	15:50:03.0	33:05:49	600	90	2.0	Bright Stars	4	
0184-0188.FLAT	40	13:03	15:50:03.0	33:05:49	600	90	2.0	Bright Stars	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	0:21	15:50:03.0	33:05:49	300	90	3.0	Bright Stars	4	
0011-0020.FLAT	8	0:25	15:50:03.0	33:05:49	300	90	3.0	Bright Stars	4	
0021-0030.BIAS	0	0:27	15:50:03.0	33:05:49	300	90	3.0	Bright Stars	2	
0031-0040.FLAT	16	0:33	15:50:03.0	33:05:49	300	90	3.0	Bright Stars	2	
0041.COMP	10	0:34	15:50:03.0	33:05:49	300	90	3.0	Bright Stars	2	
0042.FLAT	16	0:35	15:50:03.0	33:05:49	300	90	3.0	Bright Stars	2	blue tilt test for Tom
0043-0051.FLAT	16	0:39	15:50:03.0	33:05:49	300	90	3.0	Bright Stars	2	
0052.COMP	10	0:45	15:50:03.0	33:05:49	300	90	3.0	Bright Stars	2	blue
0053-0062.FLAT	16	0:51	15:50:03.0	33:05:49	300	90	3.0	Bright Stars	2	
0063.COMP	10	0:52	15:50:03.0	33:05:49	300	90	3.0	Bright Stars	2	
0064-0073.FLAT	16	1:06	1:00:00	20:00:00	300	90	3.0	Bright Stars	2	
0074.COMP	10	1:07	1:00:00	20:00:00	300	90	3.0	Bright Stars	2	
0075-0079.sky	3	1:37	4:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0080.COMP	5	1:37	4:45:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0081.HD19445	10	2:00	03:08:25.6	26:19:51	300	73	3.0	#56 Spectropho	2	bright moon, thin clouds
0082.HD19445	10	2:00	03:08:25.6	26:19:51	300	73	3.0	#56 Spectropho	2	
0083.HD19445	10	2:00	03:08:25.6	26:19:51	300	73	3.0	#56 Spectropho	2	
0084.HD19445	10	2:01	03:08:25.6	26:19:51	300	73	3.0	#56 Spectropho	2	
0085.HD19445	10	2:01	03:08:25.6	26:19:51	300	73	3.0	#56 Spectropho	2	
0086.COMP	10	2:02	03:08:25.6	26:19:51	300	73	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0087.Akn120	330	2:15	05:13:38.0	-00:12:15	300	3	3.0	#6 AGN Monitor	4	
0088.COMP	5	2:22	05:13:38.0	-00:12:15	300	3	3.0	#6 AGN Monitor	4	
0089.43924	600	2:24	05:46:13.2	-00:06:04	300	3	3.0	#112 Orion PMS	4	
0090.COMP	5	2:34	05:46:13.2	-00:06:04	300	3	3.0	#112 Orion PMS	4	
0091.FUOri	30	2:36	05:45:22.6	+09:04:12	300	3	3.0	#112 Orion PMS	4	
0092.FUOri	30	2:37	05:45:22.6	+09:04:12	300	3	3.0	#112 Orion PMS	4	
0093.COMP	5	2:37	05:45:22.6	+09:04:12	300	3	3.0	#112 Orion PMS	4	
0094.vso-62319	600	2:39	05:22:36.4	+01:09:09	300	15	3.0	#112 Orion PMS	4	
0095.COMP	5	2:50	05:22:36.4	+01:09:09	300	15	3.0	#112 Orion PMS	4	
0096.vso-64906	540	2:51	05:23:19.5	+02:04:45	300	15	3.0	#112 Orion PMS	4	
0097.COMP	5	3:00	05:23:19.5	+02:04:45	300	15	3.0	#112 Orion PMS	4	
0098.vso-65508	420	3:00	05:23:43.5	+01:34:55	300	15	3.0	#112 Orion PMS	4	
0099.COMP	5	3:08	05:23:43.5	+01:34:55	300	15	3.0	#112 Orion PMS	4	
0100.vso-66116	300	3:09	05:24:05.1	+01:36:52	300	15	3.0	#112 Orion PMS	4	
0101.COMP	5	3:14	05:24:05.1	+01:36:52	300	15	3.0	#112 Orion PMS	4	
0102.vso-66960	720	3:15	05:24:32.2	+01:34:49	300	30	3.0	#112 Orion PMS	4	
0103.COMP	5	3:28	05:24:32.2	+01:34:49	300	30	3.0	#112 Orion PMS	4	
0104.vso-67261	480	3:32	05:24:41.2	+01:54:38	300	30	3.0	#112 Orion PMS	4	
0105.COMP	5	3:40	05:24:41.2	+01:54:38	300	30	3.0	#112 Orion PMS	4	
0106.vso-72363	360	3:43	05:27:30.9	+01:35:56	300	30	3.0	#112 Orion PMS	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0107.COMP	5	3:49	05:27:30.9	+01:35:56	300	30	3.0	#112 Orion PMS	4	
0108.vso-72742.north	330	3:51	05:27:42.3	+01:50:12	300	45	3.0	#112 Orion PMS	4	
0109.vso-72742.south	330	3:57	05:27:42.3	+01:50:12	300	45	3.0	#112 Orion PMS	4	
0110.COMP	5	4:03	05:27:42.3	+01:50:12	300	45	3.0	#112 Orion PMS	4	
0111.vso-73490	480	4:03	05:29:04.0	+01:17:20	300	45	3.0	#112 Orion PMS	4	
0112.COMP	5	4:12	05:29:04.0	+01:17:20	300	45	3.0	#112 Orion PMS	4	
0113.ZCMa	15	4:14	07:03:43.1	-11:33:06	300	5	3.0	#112 Orion PMS	4	
0114.ZCMa	5	4:14	07:03:43.1	-11:33:06	300	5	3.0	#112 Orion PMS	4	
0115.ZCMa	45	4:14	07:03:43.1	-11:33:06	300	5	3.0	#112 Orion PMS	4	
0116.ZCMa	45	4:15	07:03:43.1	-11:33:06	300	5	3.0	#112 Orion PMS	4	
0117.COMP	5	4:17	07:03:43.1	-11:33:06	300	5	3.0	#112 Orion PMS	4	
0118.vso-76174	660	4:19	05:30:39.8	+00:56:22	300	45	3.0	#112 Orion PMS	4	
0119.COMP	5	4:31	05:30:39.8	+00:56:22	300	45	3.0	#112 Orion PMS	4	
0120.vso-77473	600	4:32	05:30:17.0	+01:56:44	300	45	3.0	#112 Orion PMS	4	
0121.COMP	5	4:43	05:30:17.0	+01:56:44	300	45	3.0	#112 Orion PMS	4	
0122.vso-78476	300	4:44	05:30:50.3	+01:35:20	300	45	3.0	#112 Orion PMS	4	
0123.COMP	5	4:51	05:30:50.3	+01:35:20	300	45	3.0	#112 Orion PMS	4	
0124.Feige34	150	5:27	10:36:41.2	43:21:50	300	75	3.0	#56 Spectropho	2	
0125.Feige34	150	5:30	10:36:41.2	43:21:50	300	75	3.0	#56 Spectropho	2	
0126.COMP	10	5:33	10:36:41.2	43:21:50	300	75	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0127.MRK110	540	5:35	09:25:12.9	+52:17:10	300	23	3.0	#6 AGN Monitor	4	
0128.COMP	5	5:45	09:25:12.9	+52:17:10	300	23	3.0	#6 AGN Monitor	4	
0129.N3227	180	5:46	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0130.N3227	180	5:50	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0131.COMP	5	5:53	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0132.MRK421	360	5:55	11:04:27.4	+38:12:32	300	0	3.0	#133 MRK421 an	4	
0133.MRK421	360	6:01	11:04:27.4	+38:12:32	300	0	3.0	#133 MRK421 an	4	
0134.COMP	5	6:08	11:04:27.4	+38:12:32	300	0	3.0	#133 MRK421 an	4	
0135.N4051	150	6:10	12:03:09.7	+44:31:53	300	82	3.0	#6 AGN Monitor	4	
0136.N4051	150	6:13	12:03:09.7	+44:31:53	300	82	3.0	#6 AGN Monitor	4	
0137.COMP	5	6:15	12:03:09.7	+44:31:53	300	82	3.0	#6 AGN Monitor	4	
0138.N4151	30	6:16	12:10:32.6	+39:24:21	300	89	3.0	#6 AGN Monitor	4	
0139.N4151	30	6:17	12:10:32.6	+39:24:21	300	89	3.0	#6 AGN Monitor	4	
0140.COMP	5	6:18	12:10:32.6	+39:24:21	300	89	3.0	#6 AGN Monitor	4	
0141.M87	180	6:19	12:30:49.4	12:23:28	300	89	3.0	#6 AGN Monitor	4	
0142.M87	180	6:22	12:30:49.4	12:23:28	300	89	3.0	#6 AGN Monitor	4	
0143.COMP	5	6:26	12:30:49.4	12:23:28	300	89	3.0	#6 AGN Monitor	4	
0144.cairnsk5_088	720	6:29	12:41:52.2	24:41:54	300	90	3.0	#64 Cluster In	4	
0145.COMP	5	6:41	12:41:52.2	24:41:54	300	90	3.0	#64 Cluster In	4	
0146.cairnsk5_085	600	6:42	12:40:25.3	28:8:11	300	90	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0147.COMP	5	6:53	12:40:25.3	28:8:11	300	90	3.0	#64 Cluster In	4	
0148.cairnsk5_089	720	6:53	12:42:35.8	25:25:28	300	90	3.0	#64 Cluster In	4	
0149.COMP	5	7:06	12:42:35.8	25:25:28	300	90	3.0	#64 Cluster In	4	
0150.sn2004L	1200	7:08	10:27:04.1	+16:01:07	300	0	3.0	#2 SN Observat	2	
0151.COMP	10	7:28	10:27:04.1	+16:01:07	300	0	3.0	#2 SN Observat	2	
0152.cairnsk5_086	900	7:31	13:5:45.7	31:39:43	300	90	3.0	#64 Cluster In	4	
0153.COMP	5	7:46	13:5:45.7	31:39:43	300	90	3.0	#64 Cluster In	4	
0154.cairnsk5_087	600	7:48	13:17:9.3	27:4:40	300	90	3.0	#64 Cluster In	4	
0155.COMP	5	7:58	13:17:9.3	27:4:40	300	90	3.0	#64 Cluster In	4	
0156.cairnsk5_083	600	7:58	13:11:41.2	26:23:24	300	90	3.0	#64 Cluster In	4	
0157.COMP	5	8:09	13:11:41.2	26:23:24	300	90	3.0	#64 Cluster In	4	
0158.cairnsk5_084	600	8:10	13:14:49.7	31:35:32	300	90	3.0	#64 Cluster In	4	
0159.COMP	5	8:20	13:14:49.7	31:35:32	300	90	3.0	#64 Cluster In	4	
0160.cairnsk5_081	900	8:21	13:0:59	27:11:11	300	90	3.0	#64 Cluster In	4	
0161.COMP	5	8:37	13:0:59	27:11:11	300	90	3.0	#64 Cluster In	4	
0162.cairnsk5_082	900	8:37	13:11:16.2	28:25:30	300	90	3.0	#64 Cluster In	4	
0163.COMP	5	8:53	13:11:16.2	28:25:30	300	90	3.0	#64 Cluster In	4	
0164.cairnsk5_077	900	8:53	13:3:52	32:14:14	300	90	3.0	#64 Cluster In	4	wk h-alpha
0165.COMP	5	9:09	13:3:52	32:14:14	300	90	3.0	#64 Cluster In	4	
0166.cairnsk5_078	900	9:10	13:16:5.7	27:36:7	300	90	3.0	#64 Cluster In	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>
0167.COMP	5	9:25	13:16:5.7	27:36:7	300	90	3.0	#64 Cluster In	4	
0168.cairnsk5_079	900	9:26	13:21:1.5	26:12:48	300	90	3.0	#64 Cluster In	4	clouds
0169.COMP	5	9:41	13:21:1.5	26:12:48	300	90	3.0	#64 Cluster In	4	
0170.N5548	240	9:42	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	stopped by clouds
0171.N5548	240	9:46	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0172.COMP	5	9:50	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0173-0182.BIAS	0	9:55	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0183-0192.FLAT	8	9:59	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	4	
0193-0202.BIAS	0	10:01	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	
0203-0212.FLAT	16	10:07	14:17:59.6	+25:08:12	300	90	3.0	#112 Orion PMS	2	