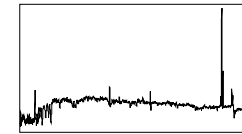


UT Date 2009-06-02 Observers W BrownColl. Focus 1350 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	18:55	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	4	x5
0002-0005.DARK	900	19:56	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	4	
0006.DARK	900	20:11	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	2	x5
0007-0010.DARK	900	21:13	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	2	
0011.BIAS	0	22:36	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	2	x10
0012-0020.BIAS	0	22:38	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	2	
0021.FLAT	7	22:38	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	2	x15
0022-0035.FLAT	7	22:43	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	2	
0036.fastfoc	10	02:39	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	4	foc=1370
0037.fastfoc	10	02:40	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	4	
0038.fastfoc	10	02:40	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	4	
0039.fastfoc	10	02:40	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	4	
0040.fastfoc	10	02:41	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	4	
0041.fastfoc	10	02:41	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	4	
0042.fastfoc	10	02:42	16:25:10.1	+40:53:21	300	90	3.0	#178 Extremely	4	
0043.BDp332642	180	03:04	15:51:59.9	+32:56:54	600	105	2.0	#182 Runaway B	4	600 line tilt 445
0044.COMP	10	03:08	15:51:59.9	+32:56:54	600	105	2.0	#182 Runaway B	4	
0045.bhvs103	540	03:12	14:12:46.7	+37:58:02	600	90	2.0	#182 Runaway B	4	
0046.COMP	10	03:21	14:12:46.7	+37:58:02	600	90	2.0	#182 Runaway B	4	
0047.bhvs105	840	03:23	15:14:48.9	+30:48:03	600	90	2.0	#182 Runaway B	4	

UT Date 2009-06-02 Observers W BrownColl. Focus 1350 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.COMP	10	03:37	15:14:48.9	+30:48:03	600	90	2.0	#182 Runaway B	4	
0049.bhvs104	960	03:38	14:59:52.0	+32:47:59	600	90	2.0	#182 Runaway B	4	
0050.COMP	10	03:55	14:59:52.0	+32:47:59	600	90	2.0	#182 Runaway B	4	
0051.bhvs106	1080	04:00	15:30:48.5	+32:43:17	600	90	2.0	#182 Runaway B	4	
0052.COMP	10	04:19	15:30:48.5	+32:43:17	600	90	2.0	#182 Runaway B	4	
0053.bhvs107	1380	04:21	15:46:30.3	+61:04:18	600	90	2.0	#182 Runaway B	4	heavy cirrus
0054.COMP	10	04:44	15:46:30.3	+61:04:18	600	90	2.0	#182 Runaway B	4	
0055.bhvs111	540	04:49	16:12:32.5	+38:11:32	600	90	2.0	#182 Runaway B	4	
0056.COMP	10	04:58	16:12:32.5	+38:11:32	600	90	2.0	#182 Runaway B	4	
0057.bhvs108	600	04:59	15:50:03.9	+37:00:47	600	90	2.0	#182 Runaway B	4	
0058.COMP	10	05:09	15:50:03.9	+37:00:47	600	90	2.0	#182 Runaway B	4	
0059.bhvs121	780	05:12	15:05:27.0	+00:11:53	600	90	2.0	#182 Runaway B	4	
0060.COMP	10	05:26	15:05:27.0	+00:11:53	600	90	2.0	#182 Runaway B	4	
0061.bhvs123	840	05:28	15:09:45.5	+00:24:25	600	90	2.0	#182 Runaway B	4	
0062.COMP	10	05:42	15:09:45.5	+00:24:25	600	90	2.0	#182 Runaway B	4	
0063.bhvs124	1020	05:44	15:12:43.7	-00:58:34	600	90	2.0	#182 Runaway B	4	
0064.COMP	10	06:01	15:12:43.7	-00:58:34	600	90	2.0	#182 Runaway B	4	
0065.bhvs132	540	06:04	15:23:50.7	+03:42:25	600	90	2.0	#182 Runaway B	4	
0066.COMP	10	06:14	15:23:50.7	+03:42:25	600	90	2.0	#182 Runaway B	4	
0067.bhvs137	810	06:16	15:29:42.8	+02:53:08	600	90	2.0	#182 Runaway B	4	

UT Date 2009-06-02 Observers W BrownColl. Focus 1350 Grating/Grism 600

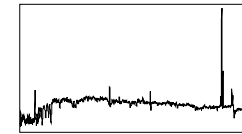
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	10	06:30	15:29:42.8	+02:53:08	600	90	2.0	#182 Runaway B	4	
0069.bhvs136	810	06:31	15:29:41.5	+06:04:02	600	90	2.0	#182 Runaway B	4	
0070.COMP	10	06:46	15:29:41.5	+06:04:02	600	90	2.0	#182 Runaway B	4	
0071.bhvs152	900	06:48	15:44:52.4	-00:24:18	600	90	2.0	#182 Runaway B	4	
0072.COMP	10	07:03	15:44:52.4	-00:24:18	600	90	2.0	#182 Runaway B	4	
0073.bhvs155	900	07:04	15:45:33.9	+00:24:23	600	90	2.0	#182 Runaway B	4	
0074.COMP	10	07:20	15:45:33.9	+00:24:23	600	90	2.0	#182 Runaway B	4	
0075.bhvs151	870	07:22	15:44:36.1	+12:42:13	600	90	2.0	#182 Runaway B	4	
0076.COMP	10	07:37	15:44:36.1	+12:42:13	600	90	2.0	#182 Runaway B	4	
0077.bhvs173	870	07:38	16:00:07.5	+09:19:37	600	90	2.0	#182 Runaway B	4	
0078.COMP	10	07:53	16:00:07.5	+09:19:37	600	90	2.0	#182 Runaway B	4	
0079.bhvs174	780	07:54	16:01:13.9	+09:03:20	600	90	2.0	#182 Runaway B	4	
0080.COMP	10	08:07	16:01:13.9	+09:03:20	600	90	2.0	#182 Runaway B	4	
0081.bhvs189	750	08:09	16:12:44.2	+12:04:26	600	90	2.0	#182 Runaway B	4	
0082.COMP	10	08:22	16:12:44.2	+12:04:26	600	90	2.0	#182 Runaway B	4	
0083.bhvs188	900	08:22	16:12:06.5	+14:19:06	600	90	2.0	#182 Runaway B	4	
0084.COMP	10	08:38	16:12:06.5	+14:19:06	600	90	2.0	#182 Runaway B	4	
0085.bhvs187	1320	08:39	16:11:59.7	+17:30:45	600	90	2.0	#182 Runaway B	4	
0086.COMP	10	09:02	16:11:59.7	+17:30:45	600	90	2.0	#182 Runaway B	4	
0087.bhvs238	1320	09:04	16:39:40.0	+18:45:34	600	90	2.0	#182 Runaway B	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	10	09:26	16:39:40.0	+18:45:34	600	90	2.0	#182 Runaway B	4	
0089.bhvs223	1380	09:27	16:31:01.0	+09:32:27	600	90	2.0	#182 Runaway B	4	clouds nailed this one
0090.COMP	10	09:51	16:31:01.0	+09:32:27	600	90	2.0	#182 Runaway B	4	
0091.bhvs286	960	09:55	17:35:49.0	+26:46:24	600	90	2.0	#182 Runaway B	4	
0092.COMP	10	10:11	17:35:49.0	+26:46:24	600	90	2.0	#182 Runaway B	4	
0093.bhvs284	900	10:12	17:31:34.7	+28:01:55	600	90	2.0	#182 Runaway B	4	
0094.COMP	10	10:28	17:31:34.7	+28:01:55	600	90	2.0	#182 Runaway B	4	
0095.bhvs288	900	10:31	17:40:18.8	+24:41:08	600	90	2.0	#182 Runaway B	4	
0096.COMP	10	10:46	17:40:18.8	+24:41:08	600	90	2.0	#182 Runaway B	4	
0097.bhvs287	780	10:47	17:38:38.1	+25:30:36	600	90	2.0	#182 Runaway B	4	
0098.COMP	10	11:00	17:38:38.1	+25:30:36	600	90	2.0	#182 Runaway B	4	
0099.bhvs285	660	11:02	17:34:45.3	+26:43:01	600	90	2.0	#182 Runaway B	4	
0100.COMP	10	11:13	17:34:45.3	+26:43:01	600	90	2.0	#182 Runaway B	4	
0101.BDp284211	120	11:15	21:51:11.0	+28:51:50	600	90	2.0	#56 Spectropho	4	
0102.COMP	10	11:17	21:51:11.0	+28:51:50	600	90	2.0	#56 Spectropho	4	
0103.BIAS	0	11:18	21:51:11.0	+28:51:50	600	90	2.0	#182 Runaway B	4	x15
0104-0117.BIAS	0	11:20	21:51:11.0	+28:51:50	600	90	2.0	#182 Runaway B	4	
0118.FLAT	10	11:20	21:51:11.0	+28:51:50	600	90	2.0	#182 Runaway B	4	x15
0119-0131.FLAT	12	11:25	21:51:11.0	+28:51:50	600	90	2.0	#182 Runaway B	4	
0132-0141.DARK	900	14:00	21:51:11.0	+28:51:50	600	90	2.0	#182 Runaway B	4	

UT Date 2009-06-02 Observers W BrownColl. Focus 1350 Grating/Grism 600

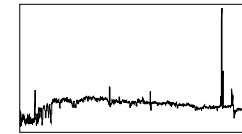
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0142-0151.DARK	900	16:33	21:51:11.0	+28:51:50	600	90	2.0	#182 Runaway B	2	

UT Date 2009-06-03 Observers W BrownColl. Focus 1370 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	23:47	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	300 line
0002.COMP	5	23:49	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	
0003.fastfoc	10	23:54	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	foc=1370
0004.fastfoc	10	23:54	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	
0005.fastfoc	10	23:55	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	
0006.fastfoc	10	23:55	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	
0007.fastfoc	10	23:55	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	
0008.fastfoc	10	23:56	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	
0009.fastfoc	10	23:56	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	
0010.BIAS	0	00:00	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	x10
0011-0019.BIAS	0	00:02	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	
0020.FLAT	7	00:03	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	x15
0021-0034.FLAT	7	00:08	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	
0035.DARK	900	00:10	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	4	x5
0036-0039.DARK	900	01:11	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	4	
0040.DARK	900	01:26	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	x5
0041-0044.DARK	900	02:27	21:51:11.0	+28:51:50	300	90	3.0	#0 Calibration	2	
0045.N4853	240	03:11	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0046.COMP	10	03:15	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0047.N3227	180	03:17	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	

UT Date 2009-06-03 Observers W BrownColl. Focus 1370 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.COMP	10	03:20	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0049.N3627	150	03:21	11:20:15.1	+12:59:22	300	90	3.0	#6 AGN Monitor	2	
0050.COMP	10	03:24	11:20:15.1	+12:59:22	300	90	3.0	#6 AGN Monitor	2	
0051.MRK421	240	03:25	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0052.COMP	10	03:29	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0053.N4151	60	03:30	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0054.COMP	10	03:31	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0055.WCom	600	03:33	12:21:31.7	+28:13:59	300	90	3.0	#6 AGN Monitor	2	
0056.COMP	10	03:43	12:21:31.7	+28:13:59	300	90	3.0	#6 AGN Monitor	2	
0057.TXCVn	10	03:46	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0058.TXCVn	30	03:47	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0059.COMP	10	03:47	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0060.TCrB	15	03:49	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0061.TCrB	60	03:49	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0062.COMP	10	03:50	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0063.PG1553+113	300	03:51	15:55:43.0	+11:11:24	300	90	3.0	#6 AGN Monitor	2	
0064.COMP	10	03:57	15:55:43.0	+11:11:24	300	90	3.0	#6 AGN Monitor	2	
0065.sn2009dc	1500	04:00	15:51:12.1	+25:42:28	300	109	3.0	#2 SN Observat	2	
0066.COMP	10	04:25	15:51:12.1	+25:42:28	300	109	3.0	#2 SN Observat	2	
0067.sn2009er	1800	04:27	15:39:29.8	+24:26:05	300	109	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	10	04:58	15:39:29.8	+24:26:05	300	109	3.0	#2 SN Observat	2	
0069.sn2009er	1800	04:58	15:39:29.8	+24:26:05	300	109	3.0	#2 SN Observat	2	
0070.COMP	10	05:29	15:39:29.8	+24:26:05	300	109	3.0	#2 SN Observat	2	
0071.BDp262606	60	05:30	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0072.BDp262606	60	05:31	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0073.COMP	10	05:33	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0074.BDp332642	120	05:34	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0075.BDp332642	120	05:36	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0076.COMP	10	05:38	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0077.AGDra	2	05:41	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0078.AGDra	15	05:41	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0079.AGDra	45	05:41	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0080.COMP	10	05:43	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0081.MRK501	180	05:44	16:53:52.1	+39:45:36	300	90	3.0	#6 AGN Monitor	2	
0082.MRK501	180	05:47	16:53:52.1	+39:45:36	300	90	3.0	#6 AGN Monitor	2	
0083.COMP	10	05:50	16:53:52.1	+39:45:36	300	90	3.0	#6 AGN Monitor	2	
0084.BDp262606	60	05:54	14:49:02.4	+25:42:09	300	90	5.0	#56 Spectropho	2	5 arcsec slit
0085.BDp262606	60	05:56	14:49:02.4	+25:42:09	300	90	5.0	#56 Spectropho	2	
0086.BDp262606	60	05:57	14:49:02.4	+25:42:09	300	90	5.0	#56 Spectropho	2	
0087.COMP	5	05:58	14:49:02.4	+25:42:09	300	90	5.0	#56 Spectropho	2	

UT Date 2009-06-03 Observers W BrownColl. Focus 1370 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.FLAT	4	06:00	14:49:02.4	+25:42:09	300	90	5.0	#12 Symbiotic	2x10	
0091-0099.FLAT	4	06:02	14:49:02.4	+25:42:09	300	90	5.0	#12 Symbiotic	2	
0100.BDp332642	120	06:07	15:51:59.9	+32:56:54	600	90	2.0	#56 Spectropho	4	600 line
0101.COMP	10	06:09	15:51:59.9	+32:56:54	600	90	2.0	#56 Spectropho	4	
0102.bhvs182	1080	06:11	16:08:03.6	+12:47:31	600	90	2.0	#182 Runaway B	4	
0103.COMP	10	06:29	16:08:03.6	+12:47:31	600	90	2.0	#182 Runaway B	4	
0104.bhvs183	1220	06:31	16:08:40.1	+13:22:04	600	90	2.0	#182 Runaway B	4	
0105.COMP	10	06:52	16:08:40.1	+13:22:04	600	90	2.0	#182 Runaway B	4	
0106.bhvs184	1260	06:53	16:09:43.7	+09:39:42	600	90	2.0	#182 Runaway B	4	
0107.COMP	10	07:15	16:09:43.7	+09:39:42	600	90	2.0	#182 Runaway B	4	
0108.bhvs185	960	07:16	16:09:55.1	+12:53:37	600	90	2.0	#182 Runaway B	4	
0109.COMP	10	07:32	16:09:55.1	+12:53:37	600	90	2.0	#182 Runaway B	4	
0110.bhvs186	870	07:33	16:10:26.2	+10:23:37	600	90	2.0	#182 Runaway B	4	
0111.COMP	10	07:48	16:10:26.2	+10:23:37	600	90	2.0	#182 Runaway B	4	
0112.bhvs223	900	07:49	16:31:01.0	+09:32:27	600	90	2.0	#182 Runaway B	4	
0113.COMP	10	08:04	16:31:01.0	+09:32:27	600	90	2.0	#182 Runaway B	4	
0114.bhvs226	1020	08:05	16:33:56.8	+11:51:07	600	90	2.0	#182 Runaway B	4	
0115.COMP	10	08:22	16:33:56.8	+11:51:07	600	90	2.0	#182 Runaway B	4	
0116.bhvs232	900	08:23	16:37:10.0	+09:31:13	600	90	2.0	#182 Runaway B	4	
0117.COMP	10	08:39	16:37:10.0	+09:31:13	600	90	2.0	#182 Runaway B	4	

UT Date 2009-06-03 Observers W BrownColl. Focus 1370 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.bhvs230	810	08:40	16:36:23.7	+12:38:02	600	90	2.0	#182 Runaway B	4	
0119.COMP	10	08:53	16:36:23.7	+12:38:02	600	90	2.0	#182 Runaway B	4	
0120.bhvs231	810	08:54	16:36:56.4	+15:59:26	600	90	2.0	#182 Runaway B	4	
0121.COMP	10	09:08	16:36:56.4	+15:59:26	600	90	2.0	#182 Runaway B	4	
0122.bhvs237	1080	09:09	16:39:36.9	+21:32:46	600	90	2.0	#182 Runaway B	4	
0123.COMP	10	09:28	16:39:36.9	+21:32:46	600	90	2.0	#182 Runaway B	4	
0125.bhvs225	740	09:30	16:33:20.9	+21:22:24	600	90	2.0	#182 Runaway B	4	
0126.COMP	10	09:42	16:33:20.9	+21:22:24	600	90	2.0	#182 Runaway B	4	
0127.bhvs229	1020	09:44	16:34:58.5	+26:49:21	600	90	2.0	#182 Runaway B	4	
0128.COMP	10	10:01	16:34:58.5	+26:49:21	600	90	2.0	#182 Runaway B	4	
0129.bhvs246	1200	10:02	16:51:04.4	+20:46:36	600	90	2.0	#182 Runaway B	4	
0130.COMP	10	10:23	16:51:04.4	+20:46:36	600	90	2.0	#182 Runaway B	4	
0131.bhvs249	1200	10:24	16:55:07.7	+24:41:50	600	90	2.0	#182 Runaway B	4	
0132.COMP	10	10:44	16:55:07.7	+24:41:50	600	90	2.0	#182 Runaway B	4	
0133.bhvs248	780	10:46	16:53:06.3	+19:05:03	600	90	2.0	#182 Runaway B	4	
0134.COMP	10	10:59	16:53:06.3	+19:05:03	600	90	2.0	#182 Runaway B	4	
0135.bhvs250	540	11:00	16:55:15.0	+28:10:25	600	90	2.0	#182 Runaway B	4	
0136.COMP	10	11:09	16:55:15.0	+28:10:25	600	90	2.0	#182 Runaway B	4	
0137.bhvs328	480	11:10	17:35:14.2	+33:05:33	600	90	2.0	#182 Runaway B	4	
0138.COMP	10	11:18	17:35:14.2	+33:05:33	600	90	2.0	#182 Runaway B	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>
0139.BIAS	0	11:19	17:35:14.2	+33:05:33	600	90	2.0	#56 Spectropho	4	x15
0140-0153.BIAS	0	11:21	17:35:14.2	+33:05:33	600	90	2.0	#56 Spectropho	4	
0155.FLAT	10	11:22	17:35:14.2	+33:05:33	600	90	2.0	#56 Spectropho	4	x15
0156-0169.FLAT	10	11:26	17:35:14.2	+33:05:33	600	90	2.0	#56 Spectropho	4	
0170-0179.DARK	900	14:02	17:35:14.2	+33:05:33	600	90	2.0	#56 Spectropho	4	
0180-0189.DARK	900	16:36	17:35:14.2	+33:05:33	600	90	2.0	#56 Spectropho	2	

UT Date 2009-06-04 Observers W BrownColl. Focus 1390 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	23:26	17:35:14.2	+33:05:33	600	90	2.0	#56 Spectropho	4 x5	
0002-0005.DARK	900	00:27	17:35:14.2	+33:05:33	600	90	2.0	#56 Spectropho	4	
0006.DARK	900	00:42	17:35:14.2	+33:05:33	600	90	2.0	#56 Spectropho	2 x5	
0007-0010.DARK	900	01:46	17:35:14.2	+33:05:33	600	90	2.0	#56 Spectropho	2	
0011.COMP	10	02:20	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	300 line
0012.COMP	10	02:22	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	
0013.fastfoc	10	02:23	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	foc=1390
0014.fastfoc	10	02:24	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	
0015.fastfoc	10	02:24	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	
0016.fastfoc	10	02:24	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	
0017.fastfoc	10	02:25	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	
0018.fastfoc	10	02:25	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	
0019.fastfoc	10	02:26	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	
0020.BIAS	0	02:31	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2 x10	
0021-0029.BIAS	0	02:32	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	
0030.FLAT	7	02:33	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2 x15	
0031-0044.FLAT	7	02:38	17:35:14.2	+33:05:33	300	90	3.0	#56 Spectropho	2	
0045.N4853	300	03:10	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	bright moon
0046.COMP	10	03:15	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0047.N4051	150	03:17	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.N4051	150	03:20	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0049.COMP	10	03:23	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0050.C113823.2+184036	540	03:26	11:38:23.3	+18:40:36	300	90	3.0	#188 Dwarf C S	2	
0051.COMP	10	03:36	11:38:23.3	+18:40:36	300	90	3.0	#188 Dwarf C S	2	
0052.sn2009ds	1200	03:40	11:49:04.1	-09:43:45	300	26	3.0	#2 SN Observat	2	
0053.COMP	10	04:00	11:49:04.1	-09:43:45	300	26	3.0	#2 SN Observat	2	
0054.sn2009dd	1200	04:04	12:05:33.7	+50:32:20	300	110	3.0	#2 SN Observat	2	
0055.COMP	10	04:25	12:05:33.7	+50:32:20	300	110	3.0	#2 SN Observat	2	
0056.BDp262606	60	04:26	14:49:02.4	+25:42:09	300	110	3.0	#56 Spectropho	2	
0057.BDp262606	60	04:28	14:49:02.4	+25:42:09	300	110	3.0	#56 Spectropho	2	
0058.COMP	10	04:29	14:49:02.4	+25:42:09	300	110	3.0	#56 Spectropho	2	
0059.BDp332642	120	04:30	15:51:59.9	+32:56:54	300	105	3.0	#56 Spectropho	2	
0060.BDp332642	120	04:32	15:51:59.9	+32:56:54	300	105	3.0	#56 Spectropho	2	
0061.COMP	10	04:34	15:51:59.9	+32:56:54	300	105	3.0	#56 Spectropho	2	
0062.BDp332642	120	04:40	15:51:59.9	+32:56:54	600	105	2.0	#56 Spectropho	4	600 line
0063.COMP	10	04:42	15:51:59.9	+32:56:54	600	105	2.0	#56 Spectropho	4	
0064.bhvs101	1200	04:44	13:07:53.9	+53:51:31	600	91	2.0	#182 Runaway B	4	
0065.COMP	10	05:04	13:07:53.9	+53:51:31	600	91	2.0	#182 Runaway B	4	
0066.bhvs112	840	05:06	16:15:20.0	+54:21:10	600	91	2.0	#182 Runaway B	4	
0067.COMP	10	05:21	16:15:20.0	+54:21:10	600	91	2.0	#182 Runaway B	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.bhvs109	990	05:22	16:08:06.4	+56:37:34	600	91	2.0	#182 Runaway B	4	
0069.COMP	10	05:39	16:08:06.4	+56:37:34	600	91	2.0	#182 Runaway B	4	
0070.bhvs110	1080	05:40	16:11:18.0	+55:43:37	600	91	2.0	#182 Runaway B	4	
0071.COMP	10	05:58	16:11:18.0	+55:43:37	600	91	2.0	#182 Runaway B	4	
0072.bhvs113	990	06:00	16:15:32.8	+55:04:21	600	91	2.0	#182 Runaway B	4	
0073.COMP	10	06:17	16:15:32.8	+55:04:21	600	91	2.0	#182 Runaway B	4	
0074.bhvs114	1200	06:19	16:18:28.6	+39:25:22	600	91	2.0	#182 Runaway B	4	
0075.COMP	10	06:39	16:18:28.6	+39:25:22	600	91	2.0	#182 Runaway B	4	
0076.bhvs115	900	06:41	16:23:52.1	+31:58:25	600	91	2.0	#182 Runaway B	4	
0077.COMP	10	06:56	16:23:52.1	+31:58:25	600	91	2.0	#182 Runaway B	4	
0078.bhvs245	1080	06:57	16:50:12.1	+24:29:50	600	91	2.0	#182 Runaway B	4	
0079.COMP	10	07:16	16:50:12.1	+24:29:50	600	91	2.0	#182 Runaway B	4	
0080.bhvs247	1140	07:17	16:53:00.0	+20:03:21	600	91	2.0	#182 Runaway B	4	
0081.COMP	10	07:36	16:53:00.0	+20:03:21	600	91	2.0	#182 Runaway B	4	
0082.bhvs251	840	07:37	16:55:46.6	+20:00:27	600	91	2.0	#182 Runaway B	4	
0083.COMP	10	07:52	16:55:46.6	+20:00:27	600	91	2.0	#182 Runaway B	4	
0084.bhvs252	780	07:53	16:55:57.2	+22:48:27	600	91	2.0	#182 Runaway B	4	
0085.COMP	10	08:06	16:55:57.2	+22:48:27	600	91	2.0	#182 Runaway B	4	
0086.bhvs253	720	08:07	16:56:10.9	+19:42:02	600	91	2.0	#182 Runaway B	4	
0087.COMP	10	08:19	16:56:10.9	+19:42:02	600	91	2.0	#182 Runaway B	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.bhvs254	840	08:20	16:56:28.1	+19:23:09	600	91	2.0	#182 Runaway B	4	
0089.COMP	10	08:35	16:56:28.1	+19:23:09	600	91	2.0	#182 Runaway B	4	
0090.bhvs289	960	08:36	17:42:29.1	+26:00:29	600	91	2.0	#182 Runaway B	4	
0091.COMP	10	08:52	17:42:29.1	+26:00:29	600	91	2.0	#182 Runaway B	4	
0092.bhvs281	1260	08:53	17:25:44.1	+27:24:45	600	91	2.0	#182 Runaway B	4	
0093.COMP	10	09:15	17:25:44.1	+27:24:45	600	91	2.0	#182 Runaway B	4	
0094.bhvs294	1080	09:16	18:13:08.3	+22:20:42	600	91	2.0	#182 Runaway B	4	
0095.COMP	10	09:34	18:13:08.3	+22:20:42	600	91	2.0	#182 Runaway B	4	
0096.bhvs293	780	09:35	17:59:17.2	+24:17:05	600	91	2.0	#182 Runaway B	4	
0097.COMP	10	09:49	17:59:17.2	+24:17:05	600	91	2.0	#182 Runaway B	4	
0098.FLAT	10	09:49	17:59:17.2	+24:17:05	600	91	2.0	#182 Runaway B	4	x10
0099-0107.FLAT	10	09:52	17:59:17.2	+24:17:05	600	91	2.0	#182 Runaway B	4	
0108.BIAS	0	09:53	18:00:00.0	+30:00:00	600	91	2.0	#56 Spectropho	4	x10
0109-0117.BIAS	0	09:54	19:30:00.0	+30:00:00	600	91	2.0	#56 Spectropho	4	
0118.COMP	5	09:56	19:30:00.0	+30:00:00	300	91	3.0	#56 Spectropho	4	300 line
0119.COMP	5	09:57	19:30:00.0	+30:00:00	300	91	3.0	#56 Spectropho	4	
0120.AS327	30	10:01	18:53:17.0	-24:22:59	300	91	3.0	#12 Symbiotic	2	
0121.AS327	300	10:02	18:53:17.0	-24:22:59	300	91	3.0	#12 Symbiotic	2	
0122.COMP	10	10:07	18:53:17.0	-24:22:59	300	91	3.0	#12 Symbiotic	2	
0123.AS316	30	10:08	18:42:33.0	-21:17:47	300	91	3.0	#12 Symbiotic	2	

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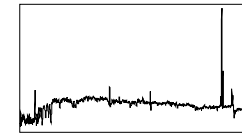
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0124.AS316	300	10:09	18:42:33.0	-21:17:47	300	91	3.0	#12 Symbiotic	2	
0125.COMP	10	10:14	18:42:33.0	-21:17:47	300	91	3.0	#12 Symbiotic	2	
0126.sn2009fs	1200	10:18	18:19:11.9	+42:48:22	300	110	3.0	#2 SN Observat	2	
0127.COMP	10	10:38	18:19:11.9	+42:48:22	300	110	3.0	#2 SN Observat	2	
0128.RSOph	150	10:40	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0129.RSOph	60	10:43	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0130.RSOph	10	10:45	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0131.COMP	10	10:45	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0132.AS338	600	10:49	19:03:47.0	+16:26:17	300	110	3.0	#12 Symbiotic	2	
0133.AS338	90	10:59	19:03:47.0	+16:26:17	300	110	3.0	#12 Symbiotic	2	
0134.COMP	10	11:01	19:03:47.0	+16:26:17	300	110	3.0	#12 Symbiotic	2	
0135.BFCyg	15	11:03	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0136.BFCyg	15	11:03	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0137.COMP	10	11:04	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0138.CICyg	4	11:05	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0139.CICyg	15	11:05	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0140.COMP	10	11:06	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0141.CHCyg	1	11:07	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0142.CHCyg	5	11:07	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0143.CHCyg	30	11:08	19:24:33.0	+50:14:30	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
0144.COMP	10	11:09	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0145.ZAnd	1	11:11	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0146.ZAnd	5	11:11	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0147.ZAnd	30	11:11	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0148.COMP	10	11:12	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0149.BDp284211	90	11:15	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0150.COMP	10	11:16	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0151.BDp174708	60	11:17	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0152.COMP	10	11:19	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0153.BIAS	0	11:20	22:11:31.4	+18:05:34	300	90	3.0	#12 Symbiotic	2	x10
0154-0162.BIAS	0	11:21	22:11:31.4	+18:05:34	300	90	3.0	#12 Symbiotic	2	
0163.FLAT	7	11:22	22:11:31.4	+18:05:34	300	90	3.0	#12 Symbiotic	2	x15
0164-0177.FLAT	7	11:27	22:11:31.4	+18:05:34	300	90	3.0	#12 Symbiotic	2	
0178-0187.DARK	900	14:02	22:11:31.4	+18:05:34	300	90	3.0	#12 Symbiotic	4	
0188-0197.DARK	900	16:35	22:11:31.4	+18:05:34	300	90	3.0	#12 Symbiotic	2	

UT Date 2009-06-05 Observers W BrownColl. Focus 1390 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BDp262606	60	03:18	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	brirght moon, heavy clouds
0002.BDp262606	60	03:19	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	will try shooting holes...
0003.COMP	10	03:21	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0004.BDp332642	120	03:23	15:51:59.9	+32:56:54	300	100	3.0	#56 Spectropho	2	
0005.BDp332642	120	03:25	15:51:59.9	+32:56:54	300	100	3.0	#56 Spectropho	2	
0006.COMP	10	03:28	15:51:59.9	+32:56:54	300	100	3.0	#56 Spectropho	2	
0007.BIAS	0	03:32	15:51:12.1	+25:42:28	300	110	3.0	#12 Symbiotic	2	x10
0008-0016.BIAS	0	03:34	15:51:12.1	+25:42:28	300	110	3.0	#12 Symbiotic	2	
0017.FLAT	7	03:35	15:51:12.1	+25:42:28	300	110	3.0	#12 Symbiotic	2	x15
0018-0031.FLAT	7	03:39	15:51:12.1	+25:42:28	300	110	3.0	#12 Symbiotic	2	
0032.DARK	900	03:42	15:51:12.1	+25:42:28	300	110	3.0	#12 Symbiotic	2	all clouds now
0033-0051.DARK	900	11:53	15:51:12.1	+25:42:28	300	110	3.0	#12 Symbiotic	2	

UT Date 2009-06-18 Observers W BrownColl. Focus 1350 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>
0001.COMP	10	17:09	03:32:21.7	+31:27:58	300	89	3.0	#12 Symbiotic	2	

UT Date 2009-06-19 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.DARK	900	23:50	09:23:33.9	+31:32:13	300	89	3.0	#12 Symbiotic	2	
0004.DARK	900	00:06	09:23:33.9	+31:32:13	300	89	3.0	#12 Symbiotic	2	start of FAST run
0005.DARK	900	00:21	09:23:33.9	+31:32:13	300	89	3.0	#12 Symbiotic	2	variable clouds all night
0006-0015.BIAS	0	02:06	09:23:33.9	+31:32:13	300	89	3.0	#12 Symbiotic	2	
0016-0030.FLAT	7	02:12	09:23:33.9	+31:32:13	300	89	3.0	#12 Symbiotic	2	
0031.COMP	10	02:20	12:41:00.8	+31:33:31	300	90	3.0	#12 Symbiotic	2	
0032-0036.DARK	900	03:23	12:41:00.8	+31:33:31	300	90	3.0	#12 Symbiotic	2	
0037.BDp262606	90	04:09	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0038.BDp262606	90	04:11	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0039.BDp262606	90	04:13	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0040.COMP	10	04:15	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0041.BIAS	0	04:20	14:16:43.3	+14:17:05	300	90	3.0	#12 Symbiotic	2	rotator causing rt crashes, no rotations tonight
0042.sn2009gf	1800	04:20	14:15:37.1	+14:16:49	300	90	3.0	#2 SN Observat	2	
0043.COMP	10	04:51	14:15:37.1	+14:16:49	300	90	3.0	#2 SN Observat	2	
0044.C140507.6+633939	720	04:53	14:05:07.6	+63:39:39	300	90	3.0	#188 Dwarf C S	2	
0045.COMP	10	05:05	14:05:07.6	+63:39:39	300	90	3.0	#188 Dwarf C S	2	
0046.C142339.5+404127	660	05:06	14:23:39.5	+40:41:27	300	90	3.0	#188 Dwarf C S	2	
0047.COMP	10	05:18	14:23:39.5	+40:41:27	300	90	3.0	#188 Dwarf C S	2	
0048.C143716.4+363705	1200	05:19	14:37:16.4	+36:37:06	300	90	3.0	#188 Dwarf C S	2	
0049.COMP	10	05:40	14:37:16.4	+36:37:06	300	90	3.0	#188 Dwarf C S	2	

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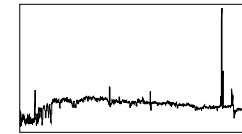
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0050.BDp332642	180	05:41	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0051.BDp332642	180	05:44	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	05:48	15:51:59.9	+32:56:54	300	90	3.0	#2 SN Observat	2	
0053.sn2009fv	1800	05:49	16:29:44.2	+40:48:42	300	90	3.0	#2 SN Observat	2	
0054.COMP	10	06:20	16:29:44.2	+40:48:42	300	90	3.0	#2 SN Observat	2	
0055.C143923.0+370424	900	06:21	14:39:23.0	+37:04:24	300	90	3.0	#188 Dwarf C S	2	
0056.COMP	10	06:37	14:39:23.0	+37:04:24	300	90	3.0	#188 Dwarf C S	2	
0057.C143955.0+394122	480	06:37	14:39:55.1	+39:41:23	300	90	3.0	#188 Dwarf C S	2	
0058.COMP	10	06:46	14:39:55.1	+39:41:23	300	90	3.0	#188 Dwarf C S	2	
0059.C144935.9+491220	480	06:47	14:49:36.0	+49:12:21	300	90	3.0	#188 Dwarf C S	2	
0060.COMP	10	06:55	14:49:36.0	+49:12:21	300	90	3.0	#188 Dwarf C S	2	
0061.C150008.8+531518	600	06:56	15:00:08.9	+53:15:18	300	90	3.0	#188 Dwarf C S	2	
0062.COMP	10	07:07	15:00:08.9	+53:15:18	300	90	3.0	#188 Dwarf C S	2	
0063.C150230.0+395716	600	07:08	15:02:30.1	+39:57:17	300	90	3.0	#188 Dwarf C S	2	
0064.COMP	10	07:18	15:02:30.1	+39:57:17	300	90	3.0	#188 Dwarf C S	2	
0065.IPHASB_2225	360	07:32	18:39:00.2	+03:31:39	300	90	3.0	#157 IPHAS	2	
0066.COMP	10	07:39	18:39:00.2	+03:31:39	300	90	3.0	#157 IPHAS	2	
0067.IPHASB_2260	360	07:40	18:44:39.6	+05:02:49	300	90	3.0	#157 IPHAS	2	
0068.COMP	10	07:46	18:44:39.6	+05:02:49	300	90	3.0	#157 IPHAS	2	
0069.IPHASB_2261	480	07:47	18:44:46.1	+06:07:03	300	90	3.0	#157 IPHAS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.COMP	10	07:56	18:44:46.1	+06:07:03	300	90	3.0	#157 IPHAS	2	
0071.IPHASB_2268	330	07:57	18:48:36.3	+06:09:55	300	90	3.0	#157 IPHAS	2	
0072.COMP	10	08:03	18:48:36.3	+06:09:55	300	90	3.0	#157 IPHAS	2	
0073.IPHASB_2267	480	08:04	18:47:32.6	+02:12:06	300	90	3.0	#157 IPHAS	2	
0074.COMP	10	08:13	18:47:32.6	+02:12:06	300	90	3.0	#157 IPHAS	2	
0075.IPHASB_2323	360	08:14	18:55:56.3	+02:51:43	300	90	3.0	#157 IPHAS	2	
0076.COMP	10	08:20	18:55:56.3	+02:51:43	300	90	3.0	#157 IPHAS	2	
0077.IPHASB_2324	900	08:21	18:55:56.7	+12:47:44	300	90	3.0	#157 IPHAS	2	
0078.COMP	10	08:37	18:55:56.7	+12:47:44	300	90	3.0	#157 IPHAS	2	
0079.IPHASB_2419	720	08:38	19:00:57.5	+10:13:51	300	90	3.0	#157 IPHAS	2	
0080.COMP	10	08:51	19:00:57.5	+10:13:51	300	90	3.0	#157 IPHAS	2	
0081.IPHASB_2428	720	08:52	19:01:22.5	+11:52:03	300	90	3.0	#157 IPHAS	2	
0082.COMP	10	09:04	19:01:22.5	+11:52:03	300	90	3.0	#157 IPHAS	2	
0083.IPHASB_2430	1500	09:06	19:01:32.8	+14:58:08	300	90	3.0	#157 IPHAS	2	pec
0084.COMP	10	09:31	19:01:32.8	+14:58:08	300	90	3.0	#157 IPHAS	2	
0085.IPHASB_2435	1500	09:33	19:01:41.7	+11:07:52	300	90	3.0	#157 IPHAS	2	target at row 100
0086.COMP	10	09:59	19:01:41.7	+11:07:52	300	90	3.0	#157 IPHAS	2	
0087.test	20	10:02	21:00:00.0	+32:00:00	300	90	3.0	#157 IPHAS	2	grating assembly was loose
0088.test	20	10:02	21:00:00.0	+32:00:00	300	90	3.0	#157 IPHAS	2	
0089.IPHASB_2611	720	10:04	19:26:28.1	+21:20:40	300	90	3.0	#157 IPHAS	2	we get a little bit extra red coverage for this one.

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.COMP	10	10:16	19:26:28.1	+21:20:40	300	90	3.0	#157 IPHAS	2	
0091.test	10	10:21	21:39:00.0	+32:00:00	300	90	3.0	#157 IPHAS	2	
0092.test	10	10:21	21:39:00.0	+32:00:00	300	90	3.0	#157 IPHAS	2	
0093.BFCyg	30	10:23	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0094.BFCyg	90	10:24	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0095.COMP	10	10:26	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0096.CICyg	10	10:28	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0097.CICyg	30	10:28	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0098.COMP	10	10:30	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0099.CHCyg	2	10:31	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0100.CHCyg	5	10:31	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0101.CHCyg	15	10:32	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0102.COMP	10	10:32	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0103.IPHASB_2732	664	10:34	19:38:28.2	+20:49:33	300	90	3.0	#157 IPHAS	2	
0104.COMP	10	10:46	19:38:28.2	+20:49:33	300	90	3.0	#157 IPHAS	2	
0105.IPHASB_2765	600	10:47	19:40:46.5	+19:55:25	300	90	3.0	#157 IPHAS	2	
0106.COMP	10	10:59	19:40:46.5	+19:55:25	300	90	3.0	#157 IPHAS	2	
0107.ZAnd	5	11:02	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0108.ZAnd	20	11:02	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0109.ZAnd	60	11:03	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	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>
0110.COMP	10	11:04	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0111-0120.BIAS	0	11:10	23:33:40.0	+48:49:06	300	90	3.0	#188 Dwarf C S	2	
0121-0135.FLAT	7	11:15	23:33:40.0	+48:49:06	300	90	3.0	#188 Dwarf C S	2	

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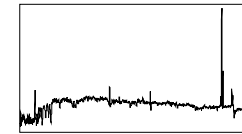
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	03:26	12:52:11.8	+31:33:29	300	89	3.0	#188 Dwarf C S	2	
0006-0015.BIAS	0	03:43	12:52:11.8	+31:33:29	300	89	3.0	#188 Dwarf C S	2	
0016-0025.FLAT	7	03:47	12:52:11.8	+31:33:29	300	89	3.0	#188 Dwarf C S	2	
0026-0035.BIAS	0	03:50	12:52:11.8	+31:33:29	300	89	3.0	#188 Dwarf C S	2	
0036-0045.FLAT	7	03:54	12:52:11.8	+31:33:29	300	89	3.0	#188 Dwarf C S	2	
0046.BDp262606	60	04:02	14:49:02.4	+25:42:09	300	-33	3.0	#56 Spectropho	2	
0047.COMP	10	04:04	14:49:02.4	+25:42:09	300	-33	3.0	#56 Spectropho	2	
0048.BDp332642	120	04:09	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0049.COMP	10	04:12	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0050.N5866	240	04:32	15:06:29.5	+55:45:48	300	88	3.0	#57 Velocity S	2	clouds and soup
0051.COMP	10	04:37	15:06:29.5	+55:45:48	300	88	3.0	#57 Velocity S	2	
0052.2M150458.28+2600510	1500	04:48	15:04:58.3	+26:00:51	300	88	3.0	#141 Mapping t	2	
0053.COMP	10	05:15	15:04:58.3	+26:00:51	300	88	3.0	#141 Mapping t	2	
0054.sn2009gf	1800	05:18	14:15:37.1	+14:16:49	300	47	3.0	#2 SN Observat	2	
0055.COMP	10	05:49	14:15:37.1	+14:16:49	300	47	3.0	#2 SN Observat	2	
0056.sn2009dc	1800	05:51	15:51:12.1	+25:42:28	300	46	3.0	#2 SN Observat	2	
0057.COMP	10	06:22	15:51:12.1	+25:42:28	300	46	3.0	#2 SN Observat	2	
0058.sn2009fv	1800	06:25	16:29:44.2	+40:48:42	300	-30	3.0	#2 SN Observat	2	
0059.COMP	10	06:56	16:29:44.2	+40:48:42	300	-30	3.0	#2 SN Observat	2	
0060.FLAT	12	07:04	16:29:44.2	+40:48:42	600	89	2.0	#2 SN Observat	4	2arcsec, 600L, tilt=445

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0061-0069.FLAT	12	07:07	16:29:44.2	+40:48:42	600	89	2.0	#2 SN Observat	4	
0070-0079.BIAS	0	07:09	16:29:44.2	+40:48:42	600	89	2.0	#2 SN Observat	4	
0080.BDp332642	90	07:13	15:51:59.9	+32:56:54	600	89	2.0	#56 Spectropho	4	
0081.COMP	12	07:15	15:51:59.9	+32:56:54	600	89	2.0	#56 Spectropho	4	
0082.bhvs153	1200	07:18	15:45:15.8	+01:56:03	600	89	2.0	#182 Runaway B	4	
0083.COMP	10	07:39	15:45:15.8	+01:56:03	600	89	2.0	#182 Runaway B	4	
0084.bhvs154	720	07:40	15:45:27.7	+05:54:12	600	89	2.0	#182 Runaway B	4	
0085.COMP	10	07:52	15:45:27.7	+05:54:12	600	89	2.0	#182 Runaway B	4	
0086.bhvs156	1740	07:54	15:45:39.0	+05:24:32	600	89	2.0	#182 Runaway B	4	
0087.COMP	10	08:23	15:45:39.0	+05:24:32	600	89	2.0	#182 Runaway B	4	
0088.bhvs339	780	08:25	17:50:01.0	+41:40:02	600	89	2.0	#182 Runaway B	4	
0089.COMP	10	08:39	17:50:01.0	+41:40:02	600	89	2.0	#182 Runaway B	4	
0090.bhvs340	720	08:40	17:53:10.5	+49:08:06	600	89	2.0	#182 Runaway B	4	
0091.COMP	10	08:53	17:53:10.5	+49:08:06	600	89	2.0	#182 Runaway B	4	
0092.bhvs341	1020	08:56	17:53:57.3	+58:15:49	600	89	2.0	#182 Runaway B	4	
0093.COMP	10	09:13	17:53:57.3	+58:15:49	600	89	2.0	#182 Runaway B	4	
0094.bhvs342	960	09:15	17:55:14.0	+40:26:14	600	89	2.0	#182 Runaway B	4	
0095.COMP	10	09:31	17:55:14.0	+40:26:14	600	89	2.0	#182 Runaway B	4	
0096.bhvs343	720	09:32	17:56:48.7	+43:13:30	600	89	2.0	#182 Runaway B	4	
0097.COMP	10	09:45	17:56:48.7	+43:13:30	600	89	2.0	#182 Runaway B	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.sn2009gh	1800	10:08	19:29:06.6	+72:08:13	300	-31	3.0	#2 SN Observat	2	combo setup
0099.COMP	10	10:38	19:29:06.6	+72:08:13	300	-31	3.0	#2 SN Observat	2	
0100.IPHASB_2436	720	10:46	19:01:42.1	-04:36:21	300	90	3.0	#157 IPHAS	2	
0101.COMP	10	10:59	19:01:42.1	-04:36:21	300	90	3.0	#157 IPHAS	2	
0102.IPHASB_2439	720	11:00	19:02:02.1	+10:26:03	300	90	3.0	#157 IPHAS	2	row=84
0103.COMP	10	11:13	19:02:02.1	+10:26:03	300	90	3.0	#157 IPHAS	2	
0104.BDp174708	60	11:16	22:11:31.4	+18:05:34	300	-22	3.0	#56 Spectropho	2	
0105.COMP	10	11:18	22:11:31.4	+18:05:34	300	-22	3.0	#56 Spectropho	2	
0106.BDp284211	90	11:20	21:51:11.0	+28:51:50	300	-1	3.0	#56 Spectropho	2	
0107.COMP	10	11:22	21:51:11.0	+28:51:50	300	-1	3.0	#56 Spectropho	2	
0108.N7331	180	11:24	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0109.COMP	10	11:28	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0110-0119.BIAS	0	11:31	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0120-0139.FLAT	7	11:39	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0140-0144.DARK	900	12:42	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	4	
0145-0149.DARK	900	13:59	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	

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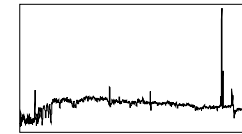
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0008.DARK	900	02:09	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	4	
0009.BIAS	0	02:37	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	4	binby 4
0010-0018.BIAS	0	02:39	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	4	
0019.BIAS	0	02:48	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	binby 2
0020-0028.BIAS	0	02:50	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0029-0048.FLAT	7	02:58	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0049.BDp262606	60	03:24	14:49:02.4	+25:42:09	300	109	3.0	#56 Spectropho	2	
0050.COMP	10	03:26	14:49:02.4	+25:42:09	300	109	3.0	#56 Spectropho	2	
0051.BDp332642	120	03:29	15:51:59.9	+32:56:54	300	95	3.0	#56 Spectropho	2	great seeing!
0052.COMP	10	03:31	15:51:59.9	+32:56:54	300	95	3.0	#56 Spectropho	2	
0053.N4486B	300	03:36	12:30:31.9	+12:29:26	300	90	3.0	#57 Velocity S	2	
0054.COMP	10	03:42	12:30:31.9	+12:29:26	300	90	3.0	#57 Velocity S	2	
0055.sn2009dd	1200	03:45	12:05:33.7	+50:32:20	300	109	3.0	#2 SN Observat	2	
0056.COMP	10	04:06	12:05:33.7	+50:32:20	300	109	3.0	#2 SN Observat	2	
0057.sn2009gf	900	04:09	14:15:37.1	+14:16:49	300	20	3.0	#2 SN Observat	2	
0058.COMP	10	04:25	14:15:37.1	+14:16:49	300	20	3.0	#2 SN Observat	2	
0059.COMP	10	04:33	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	600L, 1.5arcsec, tilt=445
0060.pg1554p262	1700	04:34	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0061.COMP	10	05:03	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0062.pg1554p262	1700	05:03	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.COMP	10	05:32	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0064.pg1554p262	1700	05:33	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0065.COMP	10	06:02	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0066.pg1554p262	1700	06:03	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0067.COMP	10	06:32	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0068.pg1554p262	1700	06:33	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0069.COMP	10	07:04	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0070.pg1554p262	1700	07:05	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	thin clouds
0071.COMP	10	07:34	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0072.pg1554p262	1700	07:35	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0073.COMP	10	08:05	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0074.pg1554p262	1700	08:05	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0075.COMP	10	08:34	15:56:23.6	+26:04:44	600	89	1.5	#178 Extremely	4	
0076.BDp332642	90	08:36	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0077.COMP	10	08:38	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0078-0087.FLAT	15	08:44	15:51:59.9	+32:56:54	600	89	1.5	#178 Extremely	4	
0088.sn2009fv	1800	08:55	16:29:44.2	+40:48:42	300	110	3.0	#2 SN Observat	2	row=82
0089.COMP	10	09:27	16:29:44.2	+40:48:42	300	110	3.0	#2 SN Observat	2	
0090.DracoC1	1200	09:28	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	
0091.COMP	10	09:49	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	

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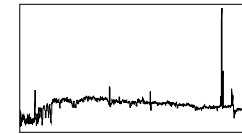
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0092.YYHer	10	09:51	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0093.YYHer	60	09:52	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0094.COMP	10	09:53	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0095.V443Her	5	09:54	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0096.V443Her	45	09:55	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0097.V443Her	90	09:56	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0098.COMP	10	09:58	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0099.IPHASB_2408	660	10:03	19:00:12.1	-03:37:18	300	90	3.0	#157 IPHAS	2	
0100.COMP	10	10:18	19:00:12.1	-03:37:18	300	90	3.0	#157 IPHAS	2	
0101.IPHASB_2408	1200	10:19	19:00:12.1	-03:37:18	300	90	3.0	#157 IPHAS	2	
0102.COMP	10	10:40	19:00:12.1	-03:37:18	300	90	3.0	#157 IPHAS	2	
0103.IPHASB_2482	780	10:42	19:04:41.5	-00:59:57	300	90	3.0	#157 IPHAS	2	row=84
0104.COMP	10	10:55	19:04:41.5	-00:59:57	300	90	3.0	#157 IPHAS	2	
0105.IPHASB_2485	1200	10:58	19:04:47.7	+14:27:21	300	90	3.0	#157 IPHAS	2	
0106.COMP	10	11:19	19:04:47.7	+14:27:21	300	90	3.0	#157 IPHAS	2	
0107.BDp284211	120	11:21	21:51:11.0	+28:51:50	300	16	3.0	#56 Spectropho	2	
0108.COMP	10	11:24	21:51:11.0	+28:51:50	300	16	3.0	#56 Spectropho	2	
0109.BDp174708	20	11:26	22:11:31.4	+18:05:34	300	-11	3.0	#56 Spectropho	2	
0110.COMP	10	11:26	22:11:31.4	+18:05:34	300	-11	3.0	#56 Spectropho	2	
0111-0120.BIAS	0	11:31	22:11:31.4	+18:05:34	300	90	3.0	#2 SN Observat	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>
0121-0130.BIAS	0	11:35	22:11:31.4	+18:05:34	300	90	3.0	#2 SN Observat	2	
0131-0150.FLAT	7	11:43	22:11:31.4	+18:05:34	300	90	3.0	#2 SN Observat	2	
0151-0160.DARK	900	14:03	22:11:31.4	+18:05:34	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	01:59	22:11:31.4	+18:05:34	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	02:27	22:11:31.4	+18:05:34	300	90	3.0	#2 SN Observat	2	
0021-0040.FLAT	7	02:35	22:11:31.4	+18:05:34	300	90	3.0	#2 SN Observat	2	
0041-0046.sky	2	02:39	22:11:31.4	+18:05:34	300	90	3.0	#57 Velocity S	2	
0047-0050.sky	4	02:41	22:11:31.4	+18:05:34	300	90	3.0	#57 Velocity S	2	
0051.COMP	10	02:41	22:11:31.4	+18:05:34	300	90	3.0	#57 Velocity S	2	
0052.FLAT	15	02:46	22:11:31.4	+18:05:34	600	90	1.5	#57 Velocity S	4	600L, tilt=445, 1.5 arcsec
0053-0066.FLAT	15	02:52	22:11:31.4	+18:05:34	600	90	1.5	#57 Velocity S	4	
0067.BDp332642	240	03:21	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0068.COMP	10	03:25	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0069.COMP	10	03:31	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0070.pg1458p172	1400	03:32	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0071.COMP	10	03:55	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0072.pg1458p172	1400	03:56	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0073.COMP	10	04:24	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0074.pg1458p172	1400	04:25	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0075.COMP	10	04:49	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0076.pg1458p172	1400	04:50	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0077.COMP	10	05:14	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0078.pg1458p172	1400	05:15	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	

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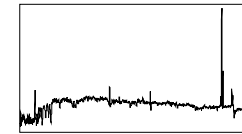
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.COMP	10	05:39	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0080.pg1458p172	1400	05:40	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0081.COMP	10	06:04	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0082.pg1458p172	1400	06:05	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0083.COMP	10	06:29	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0084.pg1458p172	1400	06:30	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0085.COMP	10	06:54	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0086.pg1458p172	1400	06:55	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0087.COMP	10	07:19	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0088.pg1458p172	1400	07:19	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0089.COMP	10	07:43	15:00:19.3	+16:59:11	600	90	1.5	#178 Extremely	4	
0090.bhvs175	1380	07:48	16:01:20.4	+10:49:05	600	90	2.0	#182 Runaway B	4	
0091.COMP	10	08:11	16:01:20.4	+10:49:05	600	90	2.0	#182 Runaway B	4	
0092.bhvs176	1080	08:13	16:02:40.4	+05:54:48	600	90	2.0	#182 Runaway B	4	
0093.COMP	10	08:31	16:02:40.4	+05:54:48	600	90	2.0	#182 Runaway B	4	
0094.bhvs227	960	08:33	16:34:08.0	+08:36:30	600	90	2.0	#182 Runaway B	4	
0095.COMP	10	08:49	16:34:08.0	+08:36:30	600	90	2.0	#182 Runaway B	4	
0096.bhvs228	600	08:50	16:34:49.4	+08:34:23	600	90	2.0	#182 Runaway B	4	
0097.COMP	10	09:01	16:34:49.4	+08:34:23	600	90	2.0	#182 Runaway B	4	
0098.bhvs282	780	09:02	17:25:59.0	+07:52:10	600	90	2.0	#182 Runaway B	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0099.COMP	10	09:16	17:25:59.0	+07:52:10	600	90	2.0	#182 Runaway B	4	
0100.BDp284211	120	09:18	21:51:11.0	+28:51:50	600	90	2.0	#56 Spectropho	4	
0101.COMP	10	09:20	21:51:11.0	+28:51:50	600	90	2.0	#56 Spectropho	4	
0102-0111.FLAT	12	09:25	21:51:11.0	+28:51:50	600	90	2.0	#56 Spectropho	4	
0112.COMP	5	09:29	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	4	test
0113.COMP	5	09:30	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	4	
0114.COMP	5	09:32	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	4	
0115.IPHASB_2263	630	09:38	18:46:35.8	+00:55:21	300	90	3.0	#157 IPHAS	2	
0116.COMP	10	09:49	18:46:35.8	+00:55:21	300	90	3.0	#157 IPHAS	2	
0117.IPHASB_2270	630	09:50	18:49:09.0	+01:25:32	300	90	3.0	#157 IPHAS	2	
0118.COMP	10	10:02	18:49:09.0	+01:25:32	300	90	3.0	#157 IPHAS	2	
0119.IPHASB_2283	780	10:04	18:52:32.2	-00:22:45	300	76	3.0	#157 IPHAS	2	
0120.COMP	10	10:18	18:52:32.2	-00:22:45	300	76	3.0	#157 IPHAS	2	
0121.IPHASB_2342	1200	10:20	18:56:33.0	-04:03:42	300	90	3.0	#157 IPHAS	2	
0122.COMP	10	10:41	18:56:33.0	-04:03:42	300	90	3.0	#157 IPHAS	2	
0123.IPHASB_3258	480	10:43	20:18:08.0	+40:50:50	300	90	3.0	#157 IPHAS	2	
0124.COMP	10	10:52	20:18:08.0	+40:50:50	300	90	3.0	#157 IPHAS	2	
0125.IPHASB_3260	300	10:53	20:18:32.0	+40:42:48	300	90	3.0	#157 IPHAS	2	
0126.COMP	10	10:58	20:18:32.0	+40:42:48	300	90	3.0	#157 IPHAS	2	
0127.IPHASB_3261	660	10:59	20:18:33.3	+40:52:43	300	90	3.0	#157 IPHAS	2	

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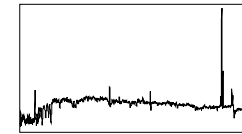
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0128.COMP	10	11:11	20:18:33.3	+40:52:43	300	90	3.0	#157 IPHAS	2	
0129.IPHASB_3341	360	11:12	20:39:55.6	+45:44:47	300	90	3.0	#157 IPHAS	2	
0130.COMP	10	11:19	20:39:55.6	+45:44:47	300	90	3.0	#157 IPHAS	2	
0131.BDp174708	45	11:20	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0132.COMP	10	11:22	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0133.BDp284211	70	11:23	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0134.COMP	10	11:25	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0135.N7331	180	11:26	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0136.COMP	10	11:30	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0137-0146.BIAS	0	11:37	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0147-0166.FLAT	7	11:46	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	
0167-0176.DARK	900	14:07	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	

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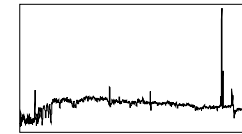
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:42	13:18:23.5	+31:33:23	300	90	3.0	#57 Velocity S	2	
0011-0025.FLAT	7	02:47	13:18:23.5	+31:33:23	300	90	3.0	#57 Velocity S	2	
0026.TXCVn	30	03:21	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0027.TXCVn	30	03:22	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0028.TXCVn	60	03:23	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0029.COMP	10	03:24	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0030.RWHya	2	03:29	13:34:18.0	-25:22:51	300	10	3.0	#12 Symbiotic	2	
0031.RWHya	6	03:30	13:34:18.0	-25:22:51	300	10	3.0	#12 Symbiotic	2	
0032.RWHya	15	03:30	13:34:18.0	-25:22:51	300	10	3.0	#12 Symbiotic	2	
0033.RWHya	30	03:31	13:34:18.0	-25:22:51	300	10	3.0	#12 Symbiotic	2	
0034.COMP	10	03:32	13:34:18.0	-25:22:51	300	10	3.0	#12 Symbiotic	2	
0035.RGBJ1117+202	900	03:38	11:17:06.2	+20:14:07	300	64	3.0	#6 AGN Monitor	2	
0036.COMP	10	03:54	11:17:06.2	+20:14:07	300	64	3.0	#6 AGN Monitor	2	
0037.sn2009gf	1800	03:56	14:15:37.1	+14:16:49	300	27	3.0	#2 SN Observat	2	
0038.COMP	10	04:26	14:15:37.1	+14:16:49	300	27	3.0	#2 SN Observat	2	
0039.BDp262606	90	04:28	14:49:02.4	+25:42:09	300	35	3.0	#56 Spectropho	2	
0040.BDp262606	90	04:29	14:49:02.4	+25:42:09	300	35	3.0	#56 Spectropho	2	
0041.BDp262606	90	04:31	14:49:02.4	+25:42:09	300	35	3.0	#56 Spectropho	2	
0042.COMP	10	04:33	14:49:02.4	+25:42:09	300	35	3.0	#56 Spectropho	2	
0043.TCrB	20	04:37	15:59:30.0	+25:55:12	300	0	3.0	#12 Symbiotic	2	

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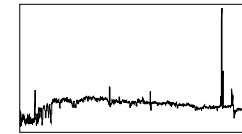
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.TCrB	40	04:38	15:59:30.0	+25:55:12	300	0	3.0	#12 Symbiotic	2	
0045.TCrB	80	04:39	15:59:30.0	+25:55:12	300	0	3.0	#12 Symbiotic	2	
0046.COMP	10	04:40	15:59:30.0	+25:55:12	300	0	3.0	#12 Symbiotic	2	
0047.sn2009dc	1800	04:42	15:51:12.1	+25:42:28	300	0	3.0	#2 SN Observat	2	
0048.COMP	10	05:12	15:51:12.1	+25:42:28	300	0	3.0	#2 SN Observat	2	
0049.BDp332642	240	05:13	15:51:59.9	+32:56:54	300	0	3.0	#56 Spectropho	2	
0050.BDp332642	240	05:18	15:51:59.9	+32:56:54	300	0	3.0	#56 Spectropho	2	
0051.COMP	10	05:23	15:51:59.9	+32:56:54	300	0	3.0	#56 Spectropho	2	
0052.AGDra	5	05:24	16:01:41.0	+66:48:10	300	0	3.0	#12 Symbiotic	2	
0053.AGDra	45	05:25	16:01:41.0	+66:48:10	300	0	3.0	#12 Symbiotic	2	
0054.AGDra	60	05:26	16:01:41.0	+66:48:10	300	0	3.0	#12 Symbiotic	2	
0055.AGDra	120	05:27	16:01:41.0	+66:48:10	300	0	3.0	#12 Symbiotic	2	
0056.COMP	10	05:30	16:01:41.0	+66:48:10	300	0	3.0	#12 Symbiotic	2	
0057.C144837.1+110015	1200	05:32	14:48:37.1	+11:00:16	300	0	3.0	#188 Dwarf C S	2	
0058.COMP	10	05:52	14:48:37.1	+11:00:16	300	0	3.0	#188 Dwarf C S	2	
0059.C150433.5+323732	960	05:55	15:04:33.5	+32:37:33	300	0	3.0	#188 Dwarf C S	2	
0060.COMP	10	06:11	15:04:33.5	+32:37:33	300	0	3.0	#188 Dwarf C S	2	
0061.C150445.2+142446	900	06:13	15:04:45.2	+14:24:46	300	0	3.0	#188 Dwarf C S	2	
0062.COMP	10	06:28	15:04:45.2	+14:24:46	300	0	3.0	#188 Dwarf C S	2	
0063.AS210	300	06:30	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.AS210	15	06:35	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0065.AS210	30	06:36	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0066.COMP	10	06:37	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0067.Hen1341	15	06:38	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0068.Hen1341	30	06:39	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0069.Hen1341	210	06:40	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0070.COMP	10	06:44	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0071.RS0ph	30	06:45	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0072.RS0ph	154	06:46	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0073.RS0ph	180	06:49	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0074.COMP	10	06:53	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0075.sn2009fv	1800	06:55	16:29:44.2	+40:48:42	300	0	3.0	#2 SN Observat	2	
0076.COMP	10	07:25	16:29:44.2	+40:48:42	300	0	3.0	#2 SN Observat	2	
0077.AS270	75	07:27	18:05:33.7	-20:20:38	300	0	3.0	#12 Symbiotic	2	
0078.AS270	360	07:29	18:05:33.7	-20:20:38	300	0	3.0	#12 Symbiotic	2	
0079.COMP	10	07:36	18:05:33.7	-20:20:38	300	0	3.0	#12 Symbiotic	2	
0080.Hen1591	120	07:36	18:07:32.0	-25:53:43	300	0	3.0	#12 Symbiotic	2	
0081.Hen1591	360	07:39	18:07:32.0	-25:53:43	300	0	3.0	#12 Symbiotic	2	
0082.COMP	10	07:45	18:07:32.0	-25:53:43	300	0	3.0	#12 Symbiotic	2	
0083.AS281	120	07:46	18:10:44.0	-27:57:57	300	0	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.AS281	420	07:49	18:10:44.0	-27:57:57	300	0	3.0	#12 Symbiotic	2	
0085.COMP	10	07:59	18:10:44.0	-27:57:57	300	0	3.0	#12 Symbiotic	2	
0088.Hen1674	600	08:05	18:20:19.1	-26:22:46	300	0	3.0	#12 Symbiotic	2	
0089.Hen1674	180	08:15	18:20:19.1	-26:22:46	300	0	3.0	#12 Symbiotic	2	
0090.COMP	10	08:19	18:20:19.1	-26:22:46	300	0	3.0	#12 Symbiotic	2	stopped by clouds
0091.IPHASB_2366	480	09:10	18:57:13.0	+00:12:08	300	21	3.0	#157 IPHAS	2	
0092.COMP	10	09:19	18:57:13.0	+00:12:08	300	21	3.0	#157 IPHAS	2	
0093.IPHASB_2347	720	09:22	18:56:36.8	-00:24:02	300	21	3.0	#157 IPHAS	2	
0094.COMP	10	09:35	18:56:36.8	-00:24:02	300	21	3.0	#157 IPHAS	2	
0095.IPHASB_2488	600	09:37	19:05:36.8	-00:15:15	300	21	3.0	#157 IPHAS	2	
0096.COMP	10	09:48	19:05:36.8	-00:15:15	300	21	3.0	#157 IPHAS	2	
0098.HD180809.KOII	60	10:21	19:16:22.0	+38:08:01	300	89	3.0	#61 Luminosity	2	for Sumin Tang
0101.HD180809.KOII	4	10:24	19:16:22.0	+38:08:01	300	89	3.0	#61 Luminosity	2	
0102.COMP	10	10:25	19:16:22.0	+38:08:01	300	89	3.0	#61 Luminosity	2	
0104.HD188947.KOIII	5	10:26	19:56:18.0	+35:05:01	300	89	3.0	#61 Luminosity	2	
0106.HD188947.KOIII	1	10:27	19:56:18.0	+35:05:01	300	89	3.0	#61 Luminosity	2	
0107.COMP	10	10:27	19:56:18.0	+35:05:01	300	89	3.0	#61 Luminosity	2	
0108.HD191046.KOII	20	10:28	20:06:29.0	+36:13:41	300	89	3.0	#61 Luminosity	2	
0109.HD191046.KOII	5	10:29	20:06:29.0	+36:13:41	300	89	3.0	#61 Luminosity	2	
0110.COMP	10	10:29	20:06:29.0	+36:13:41	300	89	3.0	#61 Luminosity	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0111.HD185144.KOV	5	10:31	19:32:15.0	+69:41:09	300	89	3.0	#61 Luminosity	2	
0112.HD185144.KOV	2	10:31	19:32:15.0	+69:41:09	300	89	3.0	#61 Luminosity	2	
0113.COMP	10	10:32	19:32:15.0	+69:41:09	300	89	3.0	#61 Luminosity	2	
0114.HD198149.K0IV	1	10:33	20:45:16.0	+61:49:38	300	89	3.0	#61 Luminosity	2	
0115.HD198149.K0IV	1	10:33	20:45:16.0	+61:49:38	300	89	3.0	#61 Luminosity	2	
0116.COMP	10	10:34	20:45:16.0	+61:49:38	300	89	3.0	#61 Luminosity	2	
0117.HD214369.K0I	5	10:35	22:36:27.0	+58:25:35	300	89	3.0	#61 Luminosity	2	
0118.HD214369.K0I	5	10:36	22:36:27.0	+58:25:35	300	89	3.0	#61 Luminosity	2	
0119.COMP	10	10:36	22:36:27.0	+58:25:35	300	89	3.0	#61 Luminosity	2	
0123.HD207089.K0I	1	10:44	21:46:04.0	+22:56:56	300	89	3.0	#61 Luminosity	2	
0124.HD207089.K0I	1	10:45	21:46:04.0	+22:56:56	300	89	3.0	#61 Luminosity	2	
0125.COMP	10	10:45	21:46:04.0	+22:56:56	300	89	3.0	#61 Luminosity	2	
0126.HD184467.K2V	16	10:47	19:31:11.0	+58:35:30	300	89	3.0	#61 Luminosity	2	
0127.HD184467.K2V	10	10:48	19:31:11.0	+58:35:30	300	89	3.0	#61 Luminosity	2	
0128.COMP	10	10:49	19:31:11.0	+58:35:30	300	89	3.0	#61 Luminosity	2	
0129.HD206778.K2I	1	10:50	21:44:11.0	+09:52:30	300	89	3.0	#61 Luminosity	2	
0130.HD206778.K2I	1	10:50	21:44:11.0	+09:52:30	300	89	3.0	#61 Luminosity	2	
0131.COMP	10	10:51	21:44:11.0	+09:52:30	300	89	3.0	#61 Luminosity	2	
0132.HD194317.K3III	3	10:52	20:23:51.0	+32:11:24	300	89	3.0	#61 Luminosity	2	
0133.HD194317.K3III	8	10:52	20:23:51.0	+32:11:24	300	89	3.0	#61 Luminosity	2	previous comp ok

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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>
0134-0143.BIAS	0	11:02	20:23:51.0	+32:11:24	300	89	3.0	#56 Spectropho	2	
0144-0158.FLAT	7	11:07	20:23:51.0	+32:11:24	300	89	3.0	#56 Spectropho	2	
0159-0168.DARK	900	13:33	20:23:51.0	+32:11:24	300	89	3.0	#56 Spectropho	2	

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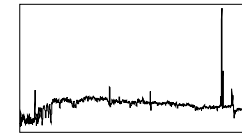
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	01:50	20:23:51.0	+32:11:24	300	89	3.0	#56 Spectropho	2	
0006-0015.BIAS	0	02:16	20:23:51.0	+32:11:24	300	89	3.0	#56 Spectropho	2	
0016-0030.FLAT	7	02:22	20:23:51.0	+32:11:24	300	89	3.0	#56 Spectropho	2	
0031-0035.sky	3	02:43	13:25:00.0	+32:00:00	300	89	3.0	#57 Velocity S	2	
0036.COMP	10	02:44	13:25:00.0	+32:00:00	300	89	3.0	#57 Velocity S	2	
0037.N4151	60	03:32	12:10:32.6	+39:24:21	300	89	3.0	#6 AGN Monitor	2	
0038.N4151	60	03:33	12:10:32.6	+39:24:21	300	89	3.0	#6 AGN Monitor	2	
0039.COMP	10	03:35	12:10:32.6	+39:24:21	300	89	3.0	#6 AGN Monitor	2	
0040.N5548	180	03:36	14:17:59.6	+25:08:12	300	89	3.0	#6 AGN Monitor	2	
0041.N5548	180	03:39	14:17:59.6	+25:08:12	300	89	3.0	#6 AGN Monitor	2	
0042.COMP	10	03:43	14:17:59.6	+25:08:12	300	89	3.0	#6 AGN Monitor	2	
0043.BDp262606	90	03:44	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0044.BDp262606	90	03:46	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0045.BDp262606	90	03:47	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0046.COMP	10	03:49	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0047.MRK421	210	03:51	11:04:27.4	+38:12:32	300	80	3.0	#6 AGN Monitor	2	
0048.MRK421	210	03:55	11:04:27.4	+38:12:32	300	80	3.0	#6 AGN Monitor	2	
0049.COMP	10	03:59	11:04:27.4	+38:12:32	300	80	3.0	#6 AGN Monitor	2	
0050.RXJ1117p2014	900	04:01	11:17:06.1	+20:14:07	300	66	3.0	#6 AGN Monitor	2	
0051.COMP	10	04:17	11:17:06.1	+20:14:07	300	66	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.N4853	300	04:18	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0053.COMP	10	04:24	12:58:35.2	+27:35:47	300	90	3.0	#57 Velocity S	2	
0054.C143002.8+063659	600	04:26	14:30:02.8	+06:36:59	300	26	3.0	#188 Dwarf C S	2	
0055.COMP	10	04:36	14:30:02.8	+06:36:59	300	26	3.0	#188 Dwarf C S	2	
0056.C143320.2+005214	600	04:37	14:33:20.2	+00:52:14	300	26	3.0	#188 Dwarf C S	2	
0057.COMP	10	04:47	14:33:20.2	+00:52:14	300	26	3.0	#188 Dwarf C S	2	
0058.C150825.5+074349	600	04:49	15:08:25.6	+07:43:49	300	26	3.0	#188 Dwarf C S	2	
0059.COMP	10	04:59	15:08:25.6	+07:43:49	300	26	3.0	#188 Dwarf C S	2	
0060.C151040.6+055949	900	05:00	15:10:40.7	+05:59:49	300	26	3.0	#188 Dwarf C S	2	could be DC
0061.COMP	10	05:16	15:10:40.7	+05:59:49	300	26	3.0	#188 Dwarf C S	2	
0062.C151218.2+100636	900	05:18	15:12:18.2	+10:06:36	300	26	3.0	#188 Dwarf C S	2	
0063.COMP	10	05:33	15:12:18.2	+10:06:36	300	26	3.0	#188 Dwarf C S	2	
0064.C151702.6+152926	1080	05:35	15:17:02.7	+15:29:26	300	44	3.0	#188 Dwarf C S	2	another one
0065.COMP	10	05:53	15:17:02.7	+15:29:26	300	44	3.0	#188 Dwarf C S	2	
0066.C151203.8+180008	600	05:54	15:12:03.8	+18:00:09	300	44	3.0	#188 Dwarf C S	2	
0067.COMP	10	06:04	15:12:03.8	+18:00:09	300	44	3.0	#188 Dwarf C S	2	
0068.BDp332642	180	06:06	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0069.BDp332642	180	06:09	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0070.COMP	10	06:12	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0071.C151348.8+370711	480	06:13	15:13:48.8	+37:07:11	300	90	3.0	#188 Dwarf C S	2	

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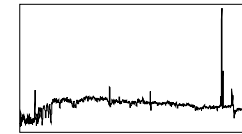
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.COMP	10	06:22	15:13:48.8	+37:07:11	300	90	3.0	#188 Dwarf C S	2	
0073.C151754.2+293419	720	06:23	15:17:54.3	+29:34:19	300	90	3.0	#188 Dwarf C S	2	
0074.COMP	10	06:35	15:17:54.3	+29:34:19	300	90	3.0	#188 Dwarf C S	2	
0075.C152014.1+282431	900	06:36	15:20:14.1	+28:24:31	300	90	3.0	#188 Dwarf C S	2	
0076.COMP	10	06:52	15:20:14.1	+28:24:31	300	90	3.0	#188 Dwarf C S	2	
0077.test	7	06:56	19:09:37.9	+09:49:49	600	90	2.0	#176 Be/X-ray	2	
0078.test	7	06:56	19:09:37.9	+09:49:49	600	90	2.0	#176 Be/X-ray	2	
0079.test	7	06:57	19:09:37.9	+09:49:49	600	90	2.0	#176 Be/X-ray	2	clouds moving in fast
0080.test	7	06:58	19:09:37.9	+09:49:49	600	90	2.0	#176 Be/X-ray	2	
0081.test	30	06:59	19:09:37.9	+09:49:49	600	90	2.0	#176 Be/X-ray	2	
0083-0097.FLAT	10	07:11	19:09:37.9	+09:49:49	600	90	2.0	#188 Dwarf C S	2	
0098.4U1907p09	1800	07:29	19:09:37.9	+09:49:49	600	90	2.0	#188 Dwarf C S	2	uhoh spectrum is tilted 10 pix on ccd
0099.COMP	7	07:59	19:09:37.9	+09:49:49	600	90	2.0	#188 Dwarf C S	2	but sky lines are straight
0100.HD192281	10	08:01	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	spectrum otherwise ok. back to 300 until this is resolved
0101.HD192281	10	08:02	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0102.HD192281	10	08:03	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0103.HD192281	10	08:04	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0104.HD192281	10	08:04	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	junk
0105.HD192281	10	08:07	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0106.HD192281	10	08:08	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	

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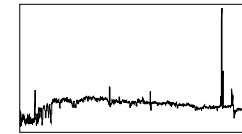
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.HD192281	10	08:09	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0108.HD192281	10	08:10	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0109.HD192281	10	08:11	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0110.HD192281	10	08:12	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0111.HD192281	10	08:13	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0112.COMP	10	08:14	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0113.HD192281	10	08:16	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0114.HD192281	10	08:17	20:12:33.1	+40:16:06	600	90	2.0	#176 Be/X-ray	2	
0115.HIP101076	1	08:23	20:29:23.7	+30:22:07	600	90	2.0	#57 Velocity S	2	junk
0116.HIP101076	1	08:24	20:29:23.7	+30:22:07	600	90	2.0	#57 Velocity S	2	
0117.HIP101076	1	08:24	20:29:23.7	+30:22:07	600	90	2.0	#57 Velocity S	2	
0118.test	10	08:28	20:29:23.7	+30:22:07	300	90	3.0	#57 Velocity S	2	300-line, 3-sec, combo
0119.test	10	08:30	20:29:23.7	+30:22:07	300	90	3.0	#57 Velocity S	2	
0120.test	10	08:30	20:29:23.7	+30:22:07	300	90	3.0	#57 Velocity S	2	
0121.test	1	08:31	20:29:23.7	+30:22:07	300	90	3.0	#57 Velocity S	2	
0122.HD192281	10	08:32	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0123.HD192281	10	08:33	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0124.HD192281	10	08:34	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0125.HD192281	10	08:34	20:12:33.1	+40:16:05	300	90	3.0	#56 Spectropho	2	
0126.BIAS	0	08:35	20:12:33.1	+40:16:05	300	90	3.0	#57 Velocity S	2	

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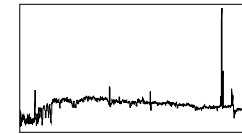
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0127.HD192281	10	08:35	20:12:33.1	+40:16:05	300	90	3.0	#57 Velocity S	2	ok, good exposures
0128.HD192281	10	08:36	20:12:33.1	+40:16:05	300	90	3.0	#57 Velocity S	2	
0129.HD192281	10	08:36	20:12:33.1	+40:16:05	300	90	3.0	#57 Velocity S	2	
0130.COMP	10	08:37	20:12:33.1	+40:16:05	300	90	3.0	#57 Velocity S	2	
0131.IPHASB_2400	600	08:40	18:59:27.4	-01:05:23	300	1	3.0	#157 IPHAS	2	
0132.COMP	10	08:51	18:59:27.4	-01:05:23	300	1	3.0	#157 IPHAS	2	
0133.IPHASB_2394	600	08:52	18:59:16.2	-04:21:11	300	1	3.0	#157 IPHAS	2	
0134.COMP	10	09:02	18:59:16.2	-04:21:11	300	1	3.0	#157 IPHAS	2	
0135.IPHASB_2402	300	09:04	18:59:29.4	-04:03:04	300	19	3.0	#157 IPHAS	2	
0136.COMP	10	09:09	18:59:29.4	-04:03:04	300	19	3.0	#157 IPHAS	2	
0137.IPHASB_2415	300	09:10	19:00:33.0	-04:48:49	300	19	3.0	#157 IPHAS	2	
0138.COMP	10	09:15	19:00:33.0	-04:48:49	300	19	3.0	#157 IPHAS	2	
0139.IPHASB_2416	1200	09:18	19:00:34.8	-02:11:58	300	19	3.0	#157 IPHAS	2	target at row 80
0140.COMP	10	09:38	19:00:34.8	-02:11:58	300	19	3.0	#157 IPHAS	2	
0141.IPHASB_2520	1200	09:40	19:09:36.8	+11:57:39	300	39	3.0	#157 IPHAS	2	
0142.COMP	10	10:01	19:09:36.8	+11:57:39	300	39	3.0	#157 IPHAS	2	
0143.IPHASB_2521	900	10:02	19:09:55.6	+15:43:07	300	39	3.0	#157 IPHAS	2	
0144.COMP	10	10:18	19:09:55.6	+15:43:07	300	39	3.0	#157 IPHAS	2	
0145.IPHASB_2530	1200	10:19	19:11:59.6	+11:38:14	300	50	3.0	#157 IPHAS	2	
0146.COMP	10	10:39	19:11:59.6	+11:38:14	300	50	3.0	#157 IPHAS	2	

UT Date 2009-06-24 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0147.IPHASB_2552	300	10:40	19:15:28.6	+18:47:48	300	60	3.0	#157 IPHAS	2	
0148.COMP	10	10:46	19:15:28.6	+18:47:48	300	60	3.0	#157 IPHAS	2	
0149.IPHASB_2563	600	10:47	19:17:13.7	+14:34:42	300	51	3.0	#157 IPHAS	2	
0150.COMP	10	10:57	19:17:13.7	+14:34:42	300	51	3.0	#157 IPHAS	2	
0151.IPHASB_3268	480	10:59	20:19:24.6	+37:07:41	300	89	3.0	#157 IPHAS	2	
0152.COMP	10	11:07	20:19:24.6	+37:07:41	300	89	3.0	#157 IPHAS	2	
0154.test	10	11:13	20:19:51.7	+37:08:01	300	89	3.0	#157 IPHAS	2	
0155.test	1	11:13	20:19:51.7	+37:08:01	300	89	3.0	#157 IPHAS	2	
0156.testp80	1	11:14	20:19:51.7	+37:08:01	300	89	3.0	#157 IPHAS	2	
0157.testp160	1	11:15	20:19:51.7	+37:08:01	300	89	3.0	#157 IPHAS	2	
0158.testp0	1	11:15	20:19:51.7	+37:08:01	300	89	3.0	#157 IPHAS	2	
0159-0168.BIAS	0	11:18	20:19:51.7	+37:08:01	300	89	3.0	#57 Velocity S	2	
0169-0183.FLAT	7	11:24	20:19:51.7	+37:08:01	300	89	3.0	#57 Velocity S	2	
0184-0188.DARK	900	12:34	20:19:51.7	+37:08:01	300	89	3.0	#57 Velocity S	2	

UT Date 2009-06-25 Observers P BerlindColl. Focus 1430 Grating/Grism 1200

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	01:30	20:19:51.7	+37:08:01	300	89	3.0	#57 Velocity S	2	
0002.DARK	900	01:45	20:19:51.7	+37:08:01	300	89	3.0	#57 Velocity S	2	mostly cloudy night
0003-0005.DARK	900	02:31	20:19:51.7	+37:08:01	300	89	3.0	#57 Velocity S	2	
0006-0015.BIAS	0	02:49	20:19:51.7	+37:08:01	300	89	3.0	#57 Velocity S	2	
0016-0030.FLAT	7	02:54	20:19:51.7	+37:08:01	300	89	3.0	#57 Velocity S	2	
0031.BDp262606	90	03:32	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0032.BDp262606	90	03:34	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0033.BDp262606	90	03:36	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0034.COMP	10	03:38	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0035.PKS1424+240	600	03:39	14:27:00.4	+23:48:00	300	89	3.0	#6 AGN Monitor	2	
0036.COMP	10	03:49	14:27:00.4	+23:48:00	300	89	3.0	#6 AGN Monitor	2	
0037.141751.1+834954	5	03:56	14:17:51.1	+83:49:54	300	89	3.0	#189 S Dwarfs	2	
0038.141751.1+834954	10	03:56	14:17:51.1	+83:49:54	300	89	3.0	#189 S Dwarfs	2	
0039.141751.1+834954	10	03:57	14:17:51.1	+83:49:54	300	89	3.0	#189 S Dwarfs	2	
0040.141751.1+834954	45	03:57	14:17:51.1	+83:49:54	300	89	3.0	#189 S Dwarfs	2	
0041.141751.1+834954	45	03:58	14:17:51.1	+83:49:54	300	89	3.0	#189 S Dwarfs	2	
0042.COMP	10	03:59	14:17:51.1	+83:49:54	300	89	3.0	#189 S Dwarfs	2	
0043.test	1	04:05	13:54:26.0	+25:32:36	600	89	2.0	#182 Runaway B	2	
0044.test	10	04:05	13:54:26.0	+25:32:36	600	89	2.0	#182 Runaway B	2	
0045.test	10	04:07	13:54:26.0	+25:32:36	600	89	2.0	#182 Runaway B	2	

UT Date 2009-06-25 Observers P BerlindColl. Focus 1430 Grating/Grism 1200

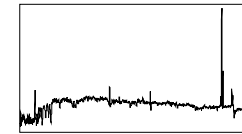
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0046.test	10	04:08	13:54:26.0	+25:32:36	600	89	2.0	#182 Runaway B	2	
0047.test	10	04:09	13:54:26.0	+25:32:36	600	89	2.0	#182 Runaway B	2	
0048.HIP76267	5	04:12	15:34:41.2	+26:42:54	600	89	2.0	#57 Velocity S	2	all test exposures
0049.HIP76267	5	04:13	15:34:41.2	+26:42:54	600	89	2.0	#57 Velocity S	4	
0050.HIP76267	10	04:13	15:34:41.2	+26:42:54	600	89	2.0	#57 Velocity S	4	
0051.HIP76267	10	04:14	15:34:41.2	+26:42:54	600	89	2.0	#57 Velocity S	4	
0052.HIP76267	16	04:14	15:34:41.2	+26:42:54	600	89	2.0	#57 Velocity S	2	
0053.HIP76267	20	04:15	15:34:41.2	+26:42:54	600	89	2.0	#57 Velocity S	1	
0054.HIP76267	2	04:16	15:34:41.2	+26:42:54	600	89	2.0	#57 Velocity S	1	
0055.HIP76267	10	04:17	15:34:41.2	+26:42:54	600	89	2.0	#57 Velocity S	1	
0056.COMP	20	04:21	15:34:41.2	+26:42:54	600	89	2.0	#57 Velocity S	1	
0057.HIP76267	5	04:33	15:34:41.2	+26:42:54	600	89	2.0	#57 Velocity S	1	
0058.bhvs094	1200	04:43	14:25:22.7	+09:50:50	600	89	2.0	#182 Runaway B	4	ok, 600-line, 2-sec, Warren
0059.COMP	10	05:03	14:25:22.7	+09:50:50	600	89	2.0	#182 Runaway B	4	tilt
0060.bhvs097	965	05:05	14:39:45.7	+27:59:54	600	89	2.0	#182 Runaway B	4	
0061.COMP	10	05:21	14:39:45.7	+27:59:54	600	89	2.0	#182 Runaway B	4	
0062.bhvs100	1200	05:22	14:55:26.6	+26:11:12	600	89	2.0	#182 Runaway B	4	
0063.COMP	10	05:43	14:55:26.6	+26:11:12	600	89	2.0	#182 Runaway B	4	stopped by clouds
0064.HIP92420	60	07:39	18:50:04.8	+33:21:46	600	89	2.0	#57 Velocity S	4	
0065.HIP92420	60	07:43	18:50:04.8	+33:21:46	600	89	2.0	#57 Velocity S	1	

UT Date 2009-06-25 Observers P BerlindColl. Focus 1430 Grating/Grism 1200

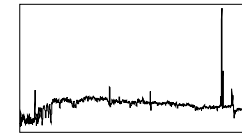
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067-0081.FLAT	12	07:54	18:50:04.8	+33:21:46	600	89	2.0	#189 S Dwarfs	4	
0082.test	10	10:00	18:50:04.8	+33:21:46	1200	89	1.5	#189 S Dwarfs	2	
0083.test	10	10:02	18:50:04.8	+33:21:46	1200	89	1.5	#189 S Dwarfs	2	
0084.test	10	10:03	18:50:04.8	+33:21:46	1200	89	1.5	#189 S Dwarfs	2	
0085.test	10	10:04	18:50:04.8	+33:21:46	1200	89	1.5	#189 S Dwarfs	2	
0086.HD168775.K2III	30	10:07	18:19:51.0	+36:03:50	1200	89	1.5	#61 Luminosity	2	for Sumin Tang
0087.HD168775.K2III	60	10:08	18:19:51.0	+36:03:50	1200	89	1.5	#61 Luminosity	2	
0088.COMP	10	10:09	18:19:51.0	+36:03:50	1200	89	1.5	#61 Luminosity	2	
0089.HD169414.K2III	10	10:10	18:23:41.0	+21:46:23	1200	89	1.5	#61 Luminosity	2	
0090.HD169414.K2III	10	10:10	18:23:41.0	+21:46:23	1200	89	1.5	#61 Luminosity	2	
0091.HD169414.K2III	10	10:11	18:23:41.0	+21:46:23	1200	89	1.5	#61 Luminosity	2	
0092.COMP	10	10:12	18:23:41.0	+21:46:23	1200	89	1.5	#61 Luminosity	2	
0093.HD184467.K2V	30	10:13	19:31:11.0	+58:35:30	1200	89	1.5	#61 Luminosity	2	
0094.HD184467.K2V	30	10:13	19:31:11.0	+58:35:30	1200	89	1.5	#61 Luminosity	2	
0095.HD184467.K2V	30	10:14	19:31:11.0	+58:35:30	1200	89	1.5	#61 Luminosity	2	
0096.COMP	10	10:15	19:31:11.0	+58:35:30	1200	89	1.5	#61 Luminosity	2	
0097.HD212466.K2Ia	32	10:16	22:23:06.0	+55:57:48	1200	89	1.5	#61 Luminosity	2	
0098.HD212466.K2Ia	120	10:17	22:23:06.0	+55:57:48	1200	89	1.5	#61 Luminosity	2	
0099.COMP	10	10:20	22:23:06.0	+55:57:48	1200	89	1.5	#61 Luminosity	2	
0100.HD206778.K2Ib	10	10:21	21:44:11.0	+09:52:30	1200	89	1.5	#61 Luminosity	2	

UT Date 2009-06-25 Observers P BerlindColl. Focus 1430 Grating/Grism 1200

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0101.HD206778.K2Ib	10	10:22	21:44:11.0	+09:52:30	1200	89	1.5	#61 Luminosity	2	
0102.HD206778.K2Ib	10	10:22	21:44:11.0	+09:52:30	1200	89	1.5	#61 Luminosity	2	
0103.COMP	10	10:23	21:44:11.0	+09:52:30	1200	89	1.5	#61 Luminosity	2	
0104.test	30	10:26	19:32:15.0	+69:41:09	1200	89	1.5	#61 Luminosity	2	
0105-0114.FLAT	100	10:44	19:32:15.0	+69:41:09	1200	89	1.5	#61 Luminosity	2	
0115.test	10	10:51	19:32:15.0	+69:41:09	300	89	3.0	#61 Luminosity	2	
0116.test	10	10:53	19:32:15.0	+69:41:09	300	89	3.0	#61 Luminosity	2	
0117-0121.DARK	900	11:59	19:32:15.0	+69:41:09	300	89	3.0	#61 Luminosity	2	

UT Date 2009-06-26 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

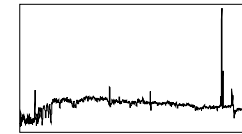
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	02:59	11:07:50.4	+31:33:27	300	89	3.0	#61 Luminosity	4	
0011-0020.BIAS	0	03:15	11:07:50.4	+31:33:27	300	89	3.0	#61 Luminosity	4	
0021-0040.FLAT	7	03:36	11:07:50.4	+31:33:27	300	89	3.0	#61 Luminosity	2	
0041-0050.BIAS	0	03:50	11:07:50.4	+31:33:27	300	89	3.0	#61 Luminosity	2	
0051.PKS1424+240	900	04:53	14:27:00.4	+23:48:00	300	70	3.0	#6 AGN Monitor	2	
0052.COMP	10	05:08	14:27:00.4	+23:48:00	300	70	3.0	#6 AGN Monitor	2	
0053.BDp262606	45	05:11	14:49:02.4	+25:42:09	300	67	3.0	#56 Spectropho	2	
0054.COMP	10	05:12	14:49:02.4	+25:42:09	300	67	3.0	#56 Spectropho	2	
0055.BDp332642	120	05:14	15:51:59.9	+32:56:54	300	110	3.0	#56 Spectropho	2	
0056.COMP	10	05:17	15:51:59.9	+32:56:54	300	110	3.0	#56 Spectropho	2	
0057.BDp332642	120	05:18	15:51:59.9	+32:56:54	300	110	3.0	#61 Luminosity	2	
0058.COMP	10	05:21	15:51:59.9	+32:56:54	300	110	3.0	#61 Luminosity	2	
0059.BDp262606	45	05:23	14:49:02.4	+25:42:09	300	67	3.0	#61 Luminosity	2	
0060.COMP	10	05:24	14:49:02.4	+25:42:09	300	67	3.0	#61 Luminosity	2	
0061.2M150151.70+0943333	300	05:26	15:01:51.7	+09:43:33	300	89	3.0	#141 Mapping t	2	clouds, try again
0062.COMP	10	05:32	15:01:51.7	+09:43:33	300	89	3.0	#141 Mapping t	2	
0063.2M150151.70+0943333	780	05:33	15:01:51.7	+09:43:33	300	89	3.0	#141 Mapping t	2	
0064.COMP	10	05:47	15:01:51.7	+09:43:33	300	89	3.0	#141 Mapping t	2	
0065.2M150913.43+7004226	780	05:54	15:09:13.4	+70:04:23	300	89	3.0	#141 Mapping t	2	
0066.COMP	10	06:08	15:09:13.4	+70:04:23	300	89	3.0	#141 Mapping t	2	

UT Date 2009-06-26 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

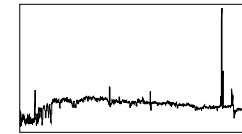
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.2M150936.17+8139023	900	06:11	15:09:36.2	+81:39:02	300	89	3.0	#141 Mapping t	2	
0068.COMP	10	06:26	15:09:36.2	+81:39:02	300	89	3.0	#141 Mapping t	2	
0069.2M151258.28+7817171	780	06:28	15:12:58.3	+78:17:17	300	89	3.0	#141 Mapping t	2	
0070.COMP	10	06:41	15:12:58.3	+78:17:17	300	89	3.0	#141 Mapping t	2	
0071.IPHASB_2409	1800	07:41	19:00:15.9	+00:05:17	300	89	3.0	#157 IPHAS	2	
0072.COMP	10	08:11	19:00:15.9	+00:05:17	300	89	3.0	#157 IPHAS	2	
0073.IPHASB_2426	1800	08:18	19:01:18.3	-02:44:27	300	89	3.0	#157 IPHAS	2	
0074.COMP	10	08:49	19:01:18.3	-02:44:27	300	89	3.0	#157 IPHAS	2	
0075.IPHASB_2427	1200	08:51	19:01:20.7	-03:25:47	300	89	3.0	#157 IPHAS	2	
0076.COMP	10	09:11	19:01:20.7	-03:25:47	300	89	3.0	#157 IPHAS	2	
0077.IPHASB_2438	1200	09:57	19:01:58.0	-03:06:11	300	89	3.0	#157 IPHAS	2	row=80
0078.COMP	10	10:18	19:01:58.0	-03:06:11	300	89	3.0	#157 IPHAS	2	
0079.C203839.1+052048	1020	10:20	20:38:39.2	+05:20:48	300	89	3.0	#188 Dwarf C S	2	
0080.COMP	10	10:38	20:38:39.2	+05:20:48	300	89	3.0	#188 Dwarf C S	2	
0081-0090.BIAS	0	11:24	21:23:25.1	+18:44:28	300	91	3.0	#61 Luminosity	2	
0091-0110.FLAT	7	11:32	21:23:25.1	+18:44:28	300	91	3.0	#61 Luminosity	2	
0111-0120.DARK	900	14:10	21:23:25.1	+18:44:28	300	91	3.0	#61 Luminosity	2	

UT Date 2009-06-27 Observers M CalkinsColl. Focus 1350 Grating/Grism 600

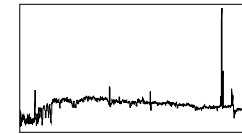
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	04:28	13:06:12.0	+31:33:26	300	91	3.0	#61 Luminosity	4	
0011-0020.BIAS	0	05:06	13:06:12.0	+31:33:26	300	91	3.0	#61 Luminosity	4	
0021.FLAT	12	07:29	13:06:12.0	+31:33:26	600	91	2.0	#61 Luminosity	4	clouds, clouds, more clouds
0022-0030.FLAT	12	07:32	13:06:12.0	+31:33:26	600	91	2.0	#61 Luminosity	4	
0031.bhvs117	1800	07:37	15:06:16.3	+29:16:40	600	91	2.0	#182 Runaway B	4	
0032.COMP	10	08:07	15:06:16.3	+29:16:40	600	91	2.0	#182 Runaway B	4	
0033.bhvs233	780	08:10	16:37:11.4	+17:35:51	600	91	2.0	#182 Runaway B	4	
0034.COMP	10	08:23	16:37:11.4	+17:35:51	600	91	2.0	#182 Runaway B	4	
0035.bhvs234	540	08:25	16:37:12.6	+28:38:39	600	91	2.0	#182 Runaway B	4	
0036.COMP	10	08:35	16:37:12.6	+28:38:39	600	91	2.0	#182 Runaway B	4	
0037.BIAS	0	08:42	19:39:12.3	+31:29:12	600	91	2.0	#61 Luminosity	4	test
0038.bhvs242	600	08:45	16:47:33.6	+20:17:27	600	91	2.0	#182 Runaway B	4	
0039.COMP	10	08:56	16:47:33.6	+20:17:27	600	91	2.0	#182 Runaway B	4	
0040.bhvs243	720	08:58	16:47:55.2	+26:40:33	600	91	2.0	#182 Runaway B	4	
0041.COMP	10	09:10	16:47:55.2	+26:40:33	600	91	2.0	#182 Runaway B	4	
0042.bhvs244	1140	09:12	16:47:59.0	+16:49:15	600	91	2.0	#182 Runaway B	4	
0043.COMP	10	09:31	16:47:59.0	+16:49:15	600	91	2.0	#182 Runaway B	4	
0044.BDp284211	150	10:00	21:51:11.0	+28:51:50	600	90	2.0	#56 Spectropho	4	
0045.COMP	10	10:03	21:51:11.0	+28:51:50	600	90	2.0	#56 Spectropho	4	
0046.BDp174708	180	10:06	22:11:31.4	+18:05:34	600	90	2.0	#56 Spectropho	4	

UT Date 2009-06-27 Observers M CalkinsColl. Focus 1350 Grating/Grism 600

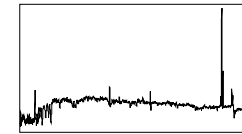
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0047.COMP	10	10:09	22:11:31.4	+18:05:34	600	90	2.0	#56 Spectropho	4	
0048-0057.BIAS	0	10:48	20:54:35.9	+16:24:13	600	90	2.0	#182 Runaway B	4	
0058-0067.FLAT	12	10:52	20:54:35.9	+16:24:13	600	90	2.0	#182 Runaway B	4	
0068-0077.DARK	900	13:13	20:54:35.9	+16:24:13	600	90	2.0	#182 Runaway B	4	

UT Date 2009-06-28 Observers M CalkinsColl. Focus 1350 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>
0001-0010.DARK	900	02:07	20:54:35.9	+16:24:13	300	90	3.0	#182 Runaway B	4	
0011-0020.BIAS	0	06:44	20:54:35.9	+16:24:13	300	90	3.0	#182 Runaway B	4	
0021-0030.FLAT	7	06:57	20:54:35.9	+16:24:13	300	90	3.0	#182 Runaway B	2	
0031-0050.DARK	900	15:53	20:54:35.9	+16:24:13	300	90	3.0	#182 Runaway B	2	

UT Date 2009-06-29 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	03:54	13:25:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0011-0025.FLAT	7	04:00	13:25:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0026.DARK	900	04:47	13:25:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	cloudy night
0027-0030.DARK	900	05:48	13:25:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0031.BFCyg	5	08:44	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0032.BFCyg	15	08:44	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0033.BFCyg	15	08:45	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0034.COMP	10	08:46	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0035.CICyg	4	08:47	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0036.CICyg	15	08:47	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0037.COMP	10	08:48	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0038.AS360	75	08:49	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0039.AS360	360	08:51	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0040.COMP	10	08:57	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0041.PUVu1	15	08:59	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0042.PUVu1	60	09:00	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0043.PUVu1	90	09:01	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0044.COMP	10	09:03	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0045.AS338	100	09:04	19:03:47.0	+16:26:17	300	45	3.0	#12 Symbiotic	2	
0046.AS338	100	09:06	19:03:47.0	+16:26:17	300	45	3.0	#12 Symbiotic	2	

UT Date 2009-06-29 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0047.AS338	360	09:08	19:03:47.0	+16:26:17	300	45	3.0	#12 Symbiotic	2	
0048.COMP	10	09:15	19:03:47.0	+16:26:17	300	45	3.0	#12 Symbiotic	2	
0049.BDp284211	120	09:17	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0050.BDp284211	120	09:19	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0051.COMP	10	09:21	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0052.IPHASB_2776	480	09:23	19:41:55.6	+25:04:24	300	90	3.0	#157 IPHAS	2	
0053.COMP	10	09:31	19:41:55.6	+25:04:24	300	90	3.0	#157 IPHAS	2	
0054.IPHASB_2775	511	09:32	19:41:46.2	+27:15:13	300	90	3.0	#157 IPHAS	2	stopped by clouds
0055.COMP	10	09:41	19:41:46.2	+27:15:13	300	90	3.0	#157 IPHAS	2	
0056-0065.BIAS	0	10:20	19:41:18.6	+14:18:03	300	90	3.0	#57 Velocity S	2	
0066-0080.FLAT	7	10:25	19:41:18.6	+14:18:03	300	90	3.0	#57 Velocity S	2	
0081-0085.DARK	900	11:27	19:41:18.6	+14:18:03	300	90	3.0	#57 Velocity S	2	
0086.COMP	10	18:09	19:41:18.6	+14:18:03	300	90	3.0	#57 Velocity S	2	
0087.COMP	10	18:47	19:41:18.6	+14:18:03	300	90	3.0	#57 Velocity S	2	
0088.COMP	10	18:51	19:41:18.6	+14:18:03	300	90	3.0	#57 Velocity S	2	
0089.COMP	10	18:57	19:41:18.6	+14:18:03	300	90	3.0	#57 Velocity S	2	

UT Date 2009-06-30 Observers W PetersColl. Focus 1350 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	02:53	10:23:12.5	+31:33:15	600	90	0.0	#57 Velocity S	2	
0011-0025.FLAT	7	02:58	10:23:12.5	+31:33:15	600	90	0.0	#57 Velocity S	2	
0026-0030.DARK	900	04:20	10:23:12.5	+31:33:15	600	90	0.0	#57 Velocity S	2	

UT Date 2009-07-01 Observers W PetersColl. Focus 1350 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001.BIAS	0	20:59	10:23:12.5	+31:33:15	600	90	0.0	#57 Velocity S	2	
0002.COMP	10	20:59	10:23:12.5	+31:33:15	600	90	0.0	#57 Velocity S	2	
0003-0012.BIAS	0	23:38	10:23:12.5	+31:33:15	600	90	0.0	#57 Velocity S	2	
0013-0027.FLAT	7	23:44	10:23:12.5	+31:33:15	600	90	0.0	#57 Velocity S	2	
0028-0032.DARK	900	01:03	10:23:12.5	+31:33:15	600	90	0.0	#57 Velocity S	2	