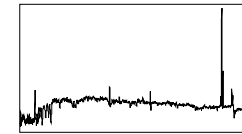
UT Date 2009-12-11 Observers M CalkinsColl. Focus 1820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	21:52	19:46:18.6	+31:28:51	300	88	3.0	#182 Runaway B	2	
0002.COMP	5	21:55	19:46:18.6	+31:28:51	300	88	3.0	#182 Runaway B	2	
0003.COMP	10	22:01	19:46:18.6	+31:28:51	300	88	3.0	#182 Runaway B	2	
0004-0013.BIAS	0	23:00	20:46:14.3	+31:28:04	300	88	3.0	#182 Runaway B	4	
0014-0023.FLAT	4	23:02	20:46:14.3	+31:28:04	300	88	3.0	#182 Runaway B	4	
0024-0033.BIAS	0	23:04	20:46:14.3	+31:28:04	300	88	3.0	#182 Runaway B	2	
0034-0048.FLAT	7	23:08	20:46:14.3	+31:28:04	300	88	3.0	#182 Runaway B	2	
0049-0053.DARK	900	00:14	20:46:14.3	+31:28:04	300	88	3.0	#182 Runaway B	2	
0054.BDp284211	90	01:28	21:51:11.0	+28:51:50	300	88	3.0	#56 Spectropho	2	
0055.BDp284211	90	01:30	21:51:11.0	+28:51:50	300	88	3.0	#56 Spectropho	2	
0056.COMP	10	01:32	21:51:11.0	+28:51:50	300	88	3.0	#56 Spectropho	2	
0057.BDp174708	75	01:34	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0058.BDp174708	75	01:36	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0059.COMP	10	01:38	22:11:31.4	+18:05:34	300	88	3.0	#56 Spectropho	2	
0060.sn2009jf	1800	01:45	23:04:53.0	+12:20:00	300	-31	3.0	#2 SN Observat	2	
0061.COMP	10	02:15	23:04:53.0	+12:20:00	300	-31	3.0	#2 SN Observat	2	
0062.IPHAS_W0071	600	02:29	00:14:22.6	+64:23:13	300	110	3.0	#157 IPHAS	2	
0063.COMP	10	02:39	00:14:22.6	+64:23:13	300	110	3.0	#157 IPHAS	2	
0064.IPHAS_W0083	600	02:56	00:16:29.5	+65:15:13	300	90	3.0	#157 IPHAS	2	
0065.COMP	10	03:06	00:16:29.5	+65:15:13	300	90	3.0	#157 IPHAS	2	

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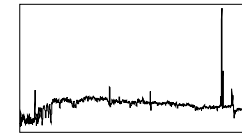
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0066.IPHAS_W0086	1200	03:08	00:16:47.5	+65:45:39	300	90	3.0	#157 IPHAS	2	
0067.COMP	10	03:28	00:16:47.5	+65:45:39	300	90	3.0	#157 IPHAS	2	
0068.IPHAS_W0089	1000	03:31	00:18:09.6	+64:14:10	300	21	3.0	#157 IPHAS	2	
0069.COMP	10	03:48	00:18:09.6	+64:14:10	300	21	3.0	#157 IPHAS	2	
0070.IPHAS_W0097	900	04:14	00:19:53.4	+63:40:44	300	90	3.0	#157 IPHAS	2	
0071.COMP	10	04:33	00:19:53.4	+63:40:44	300	90	3.0	#157 IPHAS	2	
0072.IPHAS_W0101	900	04:34	00:20:43.2	+62:43:11	300	90	3.0	#157 IPHAS	2	
0073.COMP	10	04:50	00:20:43.2	+62:43:11	300	90	3.0	#157 IPHAS	2	
0074.IPHAS_W0103	1800	04:51	00:21:27.8	+61:30:35	300	90	3.0	#157 IPHAS	2	
0075.COMP	10	05:22	00:21:27.8	+61:30:35	300	90	3.0	#157 IPHAS	2	
0076.IPHAS_W0113	900	05:23	00:22:42.1	+61:12:23	300	90	3.0	#157 IPHAS	2	
0077.COMP	10	05:39	00:22:42.1	+61:12:23	300	90	3.0	#157 IPHAS	2	
0078.IPHAS_W0116	750	05:43	00:23:18.3	+59:01:54	300	90	3.0	#157 IPHAS	2	
0079.COMP	10	05:56	00:23:18.3	+59:01:54	300	90	3.0	#157 IPHAS	2	
0080.IPHAS_W0119	900	05:58	00:24:41.7	+64:21:37	300	90	3.0	#157 IPHAS	2	
0081.COMP	10	06:15	00:24:41.7	+64:21:37	300	90	3.0	#157 IPHAS	2	
0082.IPHAS_W0120	600	06:18	00:24:50.8	+57:44:15	300	90	3.0	#157 IPHAS	2	
0083.COMP	10	06:28	00:24:50.8	+57:44:15	300	90	3.0	#157 IPHAS	2	
0084.IPHAS_W0122	750	06:29	00:25:40.0	+62:32:03	300	90	3.0	#157 IPHAS	2	
0085.COMP	10	06:42	00:25:40.0	+62:32:03	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
0086.IPHAS_W1326	900	06:54	05:08:18.3	+35:59:05	300	90	3.0	#157 IPHAS	2	
0087.COMP	10	07:10	05:08:18.3	+35:59:05	300	90	3.0	#157 IPHAS	2	
0088.IPHAS_W1350	600	07:11	05:13:01.8	+38:50:25	300	90	3.0	#157 IPHAS	2	
0089.COMP	10	07:21	05:13:01.8	+38:50:25	300	90	3.0	#157 IPHAS	2	
0090.IPHAS_W1352	300	07:23	05:13:13.3	+31:46:36	300	90	3.0	#157 IPHAS	2	
0091.COMP	10	07:29	05:13:13.3	+31:46:36	300	90	3.0	#157 IPHAS	2	
0092.IPHAS_W1353	600	07:30	05:13:40.0	+41:35:55	300	90	3.0	#157 IPHAS	2	
0093.COMP	10	07:41	05:13:40.0	+41:35:55	300	90	3.0	#157 IPHAS	2	
0094.IPHAS_W1368	1200	07:42	05:20:03.1	+32:32:17	300	90	3.0	#157 IPHAS	2	
0095.COMP	10	08:02	05:20:03.1	+32:32:17	300	90	3.0	#157 IPHAS	2	
0096.IPHAS_W1414	900	08:03	05:27:07.4	+34:18:23	300	90	3.0	#157 IPHAS	2	
0097.COMP	10	08:19	05:27:07.4	+34:18:23	300	90	3.0	#157 IPHAS	2	
0098.IPHAS_W1419	600	08:20	05:27:17.2	+41:54:42	300	90	3.0	#157 IPHAS	2	
0099.COMP	10	08:31	05:27:17.2	+41:54:42	300	90	3.0	#157 IPHAS	2	
0100.IPHAS_W1432	1200	08:32	05:27:54.3	+39:31:01	300	90	3.0	#157 IPHAS	2	
0101.COMP	10	08:53	05:27:54.3	+39:31:01	300	90	3.0	#157 IPHAS	2	
0102.IPHAS_W1438	1500	08:54	05:28:14.8	+38:17:47	300	90	3.0	#157 IPHAS	2	
0103.COMP	10	09:19	05:28:14.8	+38:17:47	300	90	3.0	#157 IPHAS	2	
0104.IPHAS_W2047	1500	09:22	06:42:57.9	-01:34:13	300	90	3.0	#157 IPHAS	2	
0105.COMP	10	09:47	06:42:57.9	-01:34:13	300	90	3.0	#157 IPHAS	2	

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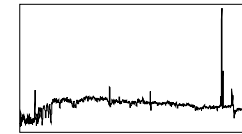
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0106.IPHAS_W2048	1200	09:57	06:43:08.2	+00:05:13	300	90	3.0	#157 IPHAS	2	
0107.COMP	10	10:17	06:43:08.2	+00:05:13	300	90	3.0	#157 IPHAS	2	
0108.IPHAS_W2049	1100	10:19	06:43:08.3	+04:26:36	300	90	3.0	#157 IPHAS	2	
0109.COMP	10	10:38	06:43:08.3	+04:26:36	300	90	3.0	#157 IPHAS	2	
0110.IPHAS_W2050	1200	10:39	06:43:22.7	+07:18:25	300	90	3.0	#157 IPHAS	2	
0111.COMP	10	11:00	06:43:22.7	+07:18:25	300	90	3.0	#157 IPHAS	2	
0112.sn2009kq	1800	11:03	08:36:15.1	+28:04:02	300	43	3.0	#2 SN Observat	2	
0113.COMP	10	11:33	08:36:15.1	+28:04:02	300	43	3.0	#2 SN Observat	2	
0114.CHID48	600	11:41	10:00:48.4	+02:07:35	300	90	3.0	#157 IPHAS	2	
0115.COMP	10	11:51	10:00:48.4	+02:07:35	300	90	3.0	#157 IPHAS	2	
0116.CHID590	120	11:53	10:01:43.2	+02:17:29	300	90	3.0	#157 IPHAS	2	
0117.COMP	10	11:55	10:01:43.2	+02:17:29	300	90	3.0	#157 IPHAS	2	
0118.CHID766	480	11:57	10:01:30.7	+02:06:46	300	90	3.0	#157 IPHAS	2	
0119.COMP	10	12:06	10:01:30.7	+02:06:46	300	90	3.0	#157 IPHAS	2	
0120.CHID989	1800	12:08	10:00:37.0	+02:26:15	300	90	3.0	#157 IPHAS	2	
0121.COMP	10	12:38	10:00:37.0	+02:26:15	300	90	3.0	#157 IPHAS	2	
0122.CHID998	180	12:40	09:59:01.1	+01:57:39	300	90	3.0	#157 IPHAS	2	
0123.COMP	10	12:44	09:59:01.1	+01:57:39	300	90	3.0	#157 IPHAS	2	
0124.CHID3381	180	12:46	10:00:03.6	+01:50:45	300	90	3.0	#157 IPHAS	2	
0125.COMP	10	12:52	10:00:03.6	+01:50:45	300	90	3.0	#157 IPHAS	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>
0126-0135.BIAS	0	13:04	10:00:03.6	+01:50:45	300	90	3.0	#182 Runaway B	4	
0136-0145.FLAT	4	13:06	10:00:03.6	+01:50:45	300	90	3.0	#182 Runaway B	4	
0146-0155.BIAS	0	13:08	10:00:03.6	+01:50:45	300	90	3.0	#182 Runaway B	2	
0156-0170.FLAT	7	13:12	10:00:03.6	+01:50:45	300	90	3.0	#182 Runaway B	2	
0171-0175.DARK	900	14:15	10:00:03.6	+01:50:45	300	90	3.0	#182 Runaway B	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:49	10:00:03.6	+01:50:45	300	90	3.0	#182 Runaway B	4	
0011-0020.FLAT	4	23:51	10:00:03.6	+01:50:45	300	90	3.0	#182 Runaway B	4	
0021-0030.BIAS	0	23:53	10:00:03.6	+01:50:45	300	90	3.0	#182 Runaway B	2	
0031-0045.FLAT	7	23:57	10:00:03.6	+01:50:45	300	90	3.0	#182 Runaway B	2	
0046-0050.DARK	900	00:59	10:00:03.6	+01:50:45	300	90	3.0	#182 Runaway B	2	
0051.BDp174708	75	01:29	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0052.BDp174708	75	01:30	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0053.COMP	10	01:32	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0054.CYG01	300	01:37	20:32:46.4	+41:11:08	300	90	3.0	#157 IPHAS	2	
0055.COMP	10	01:42	20:32:46.4	+41:11:08	300	90	3.0	#157 IPHAS	2	
0056.CYG02	300	01:45	20:32:56.5	+41:12:08	300	90	3.0	#157 IPHAS	2	
0057.COMP	10	01:52	20:32:56.5	+41:12:08	300	90	3.0	#157 IPHAS	2	
0058.CYG02	600	01:54	20:32:56.5	+41:12:08	300	90	3.0	#157 IPHAS	2	
0059.COMP	10	02:11	20:32:56.5	+41:12:08	300	90	3.0	#157 IPHAS	2	
0060.BDp284211	120	02:15	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0061.BDp284211	120	02:17	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0062.COMP	10	02:19	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0063.IPHAS_W0394	1200	05:03	01:50:37.7	+64:44:47	300	90	3.0	#157 IPHAS	2	
0064.COMP	10	05:23	01:50:37.7	+64:44:47	300	90	3.0	#157 IPHAS	2	
0065.IPHAS_W0395	1500	05:28	01:50:40.9	+63:45:27	300	90	3.0	#157 IPHAS	2	

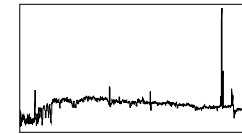
UT Date 2009-12-12 Observers M CalkinsColl. Focus 1820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.COMP	10	05:53	01:50:40.9	+63:45:27	300	90	3.0	#157 IPHAS	2	
0067.IPHAS_W0398	1500	05:55	01:51:09.1	+64:14:22	300	90	3.0	#157 IPHAS	2	
0068.COMP	10	06:20	01:51:09.1	+64:14:22	300	90	3.0	#157 IPHAS	2	
0069.IPHAS_W0401	900	06:21	01:52:21.9	+63:57:40	300	90	3.0	#157 IPHAS	2	
0070.COMP	10	06:37	01:52:21.9	+63:57:40	300	90	3.0	#157 IPHAS	2	
0071.IPHAS_W0402	1800	06:38	01:52:26.3	+63:18:40	300	90	3.0	#157 IPHAS	2	
0072.COMP	10	07:08	01:52:26.3	+63:18:40	300	90	3.0	#157 IPHAS	2	
0073.IPHAS_W0408	900	07:09	01:54:27.1	+61:22:05	300	90	3.0	#157 IPHAS	2	
0074.COMP	10	07:24	01:54:27.1	+61:22:05	300	90	3.0	#157 IPHAS	2	
0075.IPHAS_W0411	1800	07:27	01:55:10.4	+63:21:09	300	90	3.0	#157 IPHAS	2	
0076.COMP	10	07:57	01:55:10.4	+63:21:09	300	90	3.0	#157 IPHAS	2	
0077.IPHAS_W1490	1800	08:03	05:33:05.4	+37:26:19	300	90	3.0	#157 IPHAS	2	
0078.COMP	10	08:33	05:33:05.4	+37:26:19	300	90	3.0	#157 IPHAS	2	
0079.IPHAS_W1495	900	08:36	05:33:49.7	+34:37:31	300	90	3.0	#157 IPHAS	2	
0080.COMP	10	09:08	05:33:49.7	+34:37:31	300	90	3.0	#157 IPHAS	2	
0081.IPHAS_W1497	1200	09:11	05:33:54.0	+37:15:03	300	90	3.0	#157 IPHAS	2	
0082.COMP	10	09:31	05:33:54.0	+37:15:03	300	90	3.0	#157 IPHAS	2	
0083.IPHAS_W1500	900	09:33	05:34:16.1	+34:23:16	300	90	3.0	#157 IPHAS	2	
0084.COMP	10	09:48	05:34:16.1	+34:23:16	300	90	3.0	#157 IPHAS	2	
0085.IPHAS_W1501	1200	09:49	05:34:17.6	+34:06:14	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
0086.COMP	10	10:10	05:34:17.6	+34:06:14	300	90	3.0	#157 IPHAS	2	
0087.IPHAS_W1512	900	10:11	05:35:06.7	+41:08:49	300	90	3.0	#157 IPHAS	2	
0088.COMP	10	10:26	05:35:06.7	+41:08:49	300	90	3.0	#157 IPHAS	2	
0089.IPHAS_W2052	1200	10:29	06:43:47.2	-02:01:14	300	90	3.0	#157 IPHAS	2	
0090.COMP	10	10:50	06:43:47.2	-02:01:14	300	90	3.0	#157 IPHAS	2	
0091.IPHAS_W2053	1050	10:51	06:43:50.8	+01:24:12	300	90	3.0	#157 IPHAS	2	
0092.COMP	10	11:09	06:43:50.8	+01:24:12	300	90	3.0	#157 IPHAS	2	
0093.IPHAS_W2057	750	11:11	06:46:50.5	-03:07:58	300	90	3.0	#157 IPHAS	2	
0094.COMP	10	11:23	06:46:50.5	-03:07:58	300	90	3.0	#157 IPHAS	2	
0095.IPHAS_W2062	600	11:26	06:59:03.1	-01:33:34	300	90	3.0	#157 IPHAS	2	
0096.COMP	10	11:36	06:59:03.1	-01:33:34	300	90	3.0	#157 IPHAS	2	
0097.CHID1688	1200	11:38	09:58:04.4	+01:52:16	300	90	3.0	#157 IPHAS	2	
0098.COMP	10	11:58	09:58:04.4	+01:52:16	300	90	3.0	#157 IPHAS	2	
0099.CHID1710	300	12:00	09:59:08.3	+01:57:33	300	90	3.0	#157 IPHAS	2	
0100.COMP	10	12:05	09:59:08.3	+01:57:33	300	90	3.0	#157 IPHAS	2	
0101.CHID2331	600	12:07	10:02:01.7	+02:03:56	300	90	3.0	#157 IPHAS	2	
0102.COMP	10	12:17	10:02:01.7	+02:03:56	300	90	3.0	#157 IPHAS	2	
0103.CHID3517	1800	12:21	09:59:12.9	+02:00:58	300	90	3.0	#157 IPHAS	2	
0104.COMP	10	12:51	09:59:12.9	+02:00:58	300	90	3.0	#157 IPHAS	2	
0105.CHID3782	300	12:54	10:01:18.2	+02:05:53	300	90	3.0	#157 IPHAS	2	

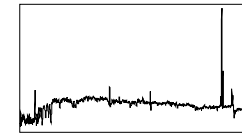


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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0106.COMP	10	13:00	10:01:18.2	+02:05:53	300	90	3.0	#157 IPHAS	2	
0107.CHID12635	300	13:01	10:01:02.4	+02:22:29	300	90	3.0	#157 IPHAS	2	
0108.COMP	10	13:06	10:01:02.4	+02:22:29	300	90	3.0	#157 IPHAS	2	
0109-0118.BIAS	0	13:19	10:01:02.4	+02:22:29	300	90	3.0	#182 Runaway B	2	
0119-0133.FLAT	7	13:24	10:01:02.4	+02:22:29	300	90	3.0	#182 Runaway B	2	
0134-0138.DARK	900	14:28	10:01:02.4	+02:22:29	300	90	3.0	#182 Runaway B	2	

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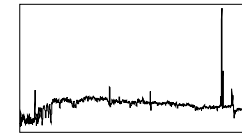
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:21	10:01:02.4	+02:22:29	300	90	3.0	#182 Runaway B	2	
0011-0025.FLAT	7	23:26	10:01:02.4	+02:22:29	300	90	3.0	#182 Runaway B	2	
0026-0030.DARK	900	00:33	10:01:02.4	+02:22:29	300	90	3.0	#182 Runaway B	2	
0031.BDp284211	90	01:19	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0032.BDp284211	90	01:21	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0033.COMP	10	01:25	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0034.BDp174708	75	01:26	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0035.BDp174708	75	01:28	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0036.COMP	10	01:29	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0037.HD180617.M3V	10	01:32	19:16:57.0	+05:11:12	300	90	3.0	#61 Spectral S	2	
0038.HD180617.M3V	60	01:33	19:16:57.0	+05:11:12	300	90	3.0	#61 Spectral S	2	
0039.COMP	10	01:34	19:16:57.0	+05:11:12	300	90	3.0	#61 Spectral S	2	
0040.HD185293.M7Ie	60	01:35	19:38:01.0	+11:43:19	300	90	3.0	#61 Spectral S	2	
0041.HD185293.M7Ie	10	01:36	19:38:01.0	+11:43:19	300	90	3.0	#61 Spectral S	2	
0042.COMP	10	01:37	19:38:01.0	+11:43:19	300	90	3.0	#61 Spectral S	2	
0043.HD339034.M1Iab.K3Iab	10	01:38	19:50:12.0	+24:56:39	300	90	3.0	#61 Spectral S	2	
0044.HD339034.M1Iab.K3Iab	30	01:39	19:50:12.0	+24:56:39	300	90	3.0	#61 Spectral S	2	
0045.COMP	10	01:40	19:50:12.0	+24:56:39	300	90	3.0	#61 Spectral S	2	
0046.HD189319.MOIII	10	01:41	19:58:45.0	+19:29:30	300	90	3.0	#61 Spectral S	2	
0047.HD189319.MOIII	10	01:42	19:58:45.0	+19:29:30	300	90	3.0	#61 Spectral S	2	

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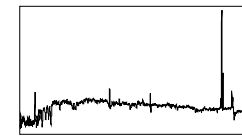
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.COMP	10	01:42	19:58:45.0	+19:29:30	300	90	3.0	#61 Spectral S	2	
0049.HD189319.M0III	10	01:43	19:58:45.0	+19:29:30	300	90	3.0	#61 Spectral S	2	
0050.HD196610.M6III	1	01:44	20:37:54.0	+18:16:03	300	90	3.0	#61 Spectral S	2	
0051.COMP	10	01:46	20:37:54.0	+18:16:03	300	90	3.0	#61 Spectral S	2	
0052.AZCyg.M2Iab	1	01:48	20:57:59.0	+46:28:00	300	90	3.0	#61 Spectral S	2	
0053.AZCyg.M2Iab	10	01:48	20:57:59.0	+46:28:00	300	90	3.0	#61 Spectral S	2	
0054.COMP	10	01:49	20:57:59.0	+46:28:00	300	90	3.0	#61 Spectral S	2	
0055.HD200527.M4III	1	01:51	21:02:24.0	+44:47:28	300	90	3.0	#61 Spectral S	2	
0056.COMP	10	01:51	21:02:24.0	+44:47:28	300	90	3.0	#61 Spectral S	2	
0057.HD200527.M4III	5	01:52	21:02:24.0	+44:47:28	300	90	3.0	#61 Spectral S	2	
0058.HD204585.M4III	1	01:53	21:28:59.0	+22:10:46	300	90	3.0	#61 Spectral S	2	
0059.HD204585.M4III	5	01:53	21:28:59.0	+22:10:46	300	90	3.0	#61 Spectral S	2	
0060.COMP	10	01:54	21:28:59.0	+22:10:46	300	90	3.0	#61 Spectral S	2	
0061.HD206330.M1III	1	01:55	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0062.HD206330.M1III	5	01:56	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0063.COMP	10	01:56	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0064.HD206330.M1III	1	01:57	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0065.HD206330.M1III	5	01:58	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0066.COMP	10	01:58	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0067.HD209290.MOV	1	02:00	22:02:11.0	+01:24:14	300	90	3.0	#61 Spectral S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.HD209290.MOV	10	02:00	22:02:11.0	+01:24:14	300	90	3.0	#61 Spectral S	2	
0069.HD209290.MOV	60	02:00	22:02:11.0	+01:24:14	300	90	3.0	#61 Spectral S	2	
0070.COMP	10	02:02	22:02:11.0	+01:24:14	300	90	3.0	#61 Spectral S	2	
0071.CYG03	300	02:05	20:33:09.2	+41:13:43	300	61	3.0	#157 IPHAS	2	
0072.COMP	10	02:11	20:33:09.2	+41:13:43	300	61	3.0	#157 IPHAS	2	
0073.CYG04	300	02:13	20:31:28.4	+41:34:10	300	89	3.0	#157 IPHAS	2	
0074.COMP	10	02:18	20:31:28.4	+41:34:10	300	89	3.0	#157 IPHAS	2	
0075.CYG05	180	02:20	20:31:50.9	+41:31:17	300	89	3.0	#157 IPHAS	2	
0076.COMP	10	02:24	20:31:50.9	+41:31:17	300	89	3.0	#157 IPHAS	2	
0077.CYG06	180	02:24	20:31:37.3	+41:23:36	300	89	3.0	#157 IPHAS	2	
0078.COMP	10	02:28	20:31:37.3	+41:23:36	300	89	3.0	#157 IPHAS	2	
0079.CYG07	180	02:29	20:31:39.6	+41:26:48	300	89	3.0	#157 IPHAS	2	
0080.COMP	10	02:32	20:31:39.6	+41:26:48	300	89	3.0	#157 IPHAS	2	
0081.CYG08	300	02:33	20:31:43.7	+41:36:07	300	89	3.0	#157 IPHAS	2	
0082.COMP	10	02:38	20:31:43.7	+41:36:07	300	89	3.0	#157 IPHAS	2	
0083.CYG09	180	02:39	20:31:51.3	+41:23:23	300	89	3.0	#157 IPHAS	2	
0084.COMP	10	02:43	20:31:51.3	+41:23:23	300	89	3.0	#157 IPHAS	2	
0085.CYG10	180	02:44	20:31:53.8	+41:37:29	300	89	3.0	#157 IPHAS	2	
0086.COMP	10	02:48	20:31:53.8	+41:37:29	300	89	3.0	#157 IPHAS	2	
0087.CYG11	180	02:48	20:32:31.7	+41:28:29	300	89	3.0	#157 IPHAS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	10	02:52	20:32:31.7	+41:28:29	300	89	3.0	#157 IPHAS	2	
0089.CYG12	900	02:53	20:32:15.8	+41:34:20	300	89	3.0	#157 IPHAS	2	
0090.COMP	10	03:08	20:32:15.8	+41:34:20	300	89	3.0	#157 IPHAS	2	
0091.sn2009lf	1800	03:16	02:01:39.6	+15:19:58	300	54	3.0	#2 SN Observat	2	
0092.COMP	10	03:46	02:01:39.6	+15:19:58	300	54	3.0	#2 SN Observat	2	
0093.sn2009le	1800	03:53	02:09:17.1	-23:24:45	300	31	3.0	#2 SN Observat	2	
0094.COMP	10	04:23	02:09:17.1	-23:24:45	300	31	3.0	#2 SN Observat	2	
0095.IPHAS_W0220	720	04:28	00:50:32.3	+62:31:55	300	90	3.0	#157 IPHAS	2	
0096.COMP	10	04:42	00:50:32.3	+62:31:55	300	90	3.0	#157 IPHAS	2	
0097.IPHAS_W0221	420	04:50	00:51:29.1	+61:38:58	300	90	3.0	#157 IPHAS	2	
0098.COMP	10	04:57	00:51:29.1	+61:38:58	300	90	3.0	#157 IPHAS	2	
0099.IPHAS_W0222	420	05:01	00:52:07.7	+67:06:16	300	90	3.0	#157 IPHAS	2	
0100.COMP	10	05:08	00:52:07.7	+67:06:16	300	90	3.0	#157 IPHAS	2	
0101.IPHAS_W0223	900	05:10	00:53:26.5	+61:01:37	300	90	3.0	#157 IPHAS	2	
0102.COMP	10	05:25	00:53:26.5	+61:01:37	300	90	3.0	#157 IPHAS	2	
0103.IPHAS_W0226	1200	05:26	00:54:25.0	+64:12:53	300	90	3.0	#157 IPHAS	2	
0104.COMP	10	05:47	00:54:25.0	+64:12:53	300	90	3.0	#157 IPHAS	2	
0105.IPHAS_W1592	300	06:10	05:42:00.5	+30:49:57	300	90	3.0	#157 IPHAS	2	
0106.COMP	10	06:16	05:42:00.5	+30:49:57	300	90	3.0	#157 IPHAS	2	
0107.IPHAS_W1612	900	06:17	05:47:05.8	+22:34:10	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
0108.COMP	10	06:32	05:47:05.8	+22:34:10	300	90	3.0	#157 IPHAS	2	
0109.IPHAS.W1657	1500	06:34	05:51:26.0	+21:24:29	300	90	3.0	#157 IPHAS	2	
0110.COMP	10	06:59	05:51:26.0	+21:24:29	300	90	3.0	#157 IPHAS	2	
0111.HD10465.M2Ib	1	07:01	01:43:11.0	+48:30:59	300	90	3.0	#61 Spectral S	2	
0112.HD10465.M2Ib	10	07:02	01:43:11.0	+48:30:59	300	90	3.0	#61 Spectral S	2	
0113.HD10465.M2Ib	60	07:02	01:43:11.0	+48:30:59	300	90	3.0	#61 Spectral S	2	
0114.COMP	10	07:03	01:43:11.0	+48:30:59	300	90	3.0	#61 Spectral S	2	
0115.HD12025.M5III	10	07:05	01:59:35.0	+54:49:21	300	90	3.0	#61 Spectral S	2	
0116.HD12025.M5III	60	07:05	01:59:35.0	+54:49:21	300	90	3.0	#61 Spectral S	2	
0117.COMP	10	07:06	01:59:35.0	+54:49:21	300	90	3.0	#61 Spectral S	2	
0118.HD36395.M1V	10	07:21	05:31:24.0	-03:38:54	300	90	3.0	#61 Spectral S	2	
0119.HD36395.M1V	60	07:21	05:31:24.0	-03:38:54	300	90	3.0	#61 Spectral S	2	
0120.COMP	10	07:22	05:31:24.0	-03:38:54	300	90	3.0	#61 Spectral S	2	
0121.GJ213.M4V	60	07:25	05:42:09.0	+12:29:21	300	90	3.0	#61 Spectral S	2	
0122.GJ213.M4V	300	07:27	05:42:09.0	+12:29:21	300	90	3.0	#61 Spectral S	2	
0123.COMP	10	07:32	05:42:09.0	+12:29:21	300	90	3.0	#61 Spectral S	2	
0124.HD39045.M3III	10	07:33	05:51:25.0	+32:07:28	300	90	3.0	#61 Spectral S	2	
0125.HD39045.M3III	60	07:34	05:51:25.0	+32:07:28	300	90	3.0	#61 Spectral S	2	
0126.COMP	10	07:35	05:51:25.0	+32:07:28	300	90	3.0	#61 Spectral S	2	
0127.HD39225.M1III	10	07:36	05:52:39.0	+33:55:02	300	90	3.0	#61 Spectral S	2	

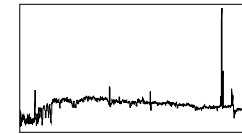
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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0128.HD39225.M1III	60	07:36	05:52:39.0	+33:55:02	300	90	3.0	#61 Spectral S	2	
0129.COMP	10	07:38	05:52:39.0	+33:55:02	300	90	3.0	#61 Spectral S	2	
0130.HD39816.M6III	10	07:39	05:55:49.0	+20:10:30	300	90	3.0	#61 Spectral S	2	
0131.HD39816.M6III	60	07:39	05:55:49.0	+20:10:30	300	90	3.0	#61 Spectral S	2	
0132.COMP	10	07:40	05:55:49.0	+20:10:30	300	90	3.0	#61 Spectral S	2	
0133.HD42475.M1Iab	10	07:42	06:11:51.0	+21:52:06	300	90	3.0	#61 Spectral S	2	
0134.HD42475.M1Iab	1	07:42	06:11:51.0	+21:52:06	300	90	3.0	#61 Spectral S	2	
0135.HD42475.M1Iab	60	07:42	06:11:51.0	+21:52:06	300	90	3.0	#61 Spectral S	2	
0136.COMP	10	07:44	06:11:51.0	+21:52:06	300	90	3.0	#61 Spectral S	2	
0137.HD42543.M0Iab	10	07:45	06:12:19.0	+22:54:31	300	90	3.0	#61 Spectral S	2	
0138.HD42543.M0Iab	60	07:45	06:12:19.0	+22:54:31	300	90	3.0	#61 Spectral S	2	
0139.COMP	10	07:46	06:12:19.0	+22:54:31	300	90	3.0	#61 Spectral S	2	
0140.GITau	240	07:49	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0141.COMP	10	07:54	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0142.GKTau	240	07:54	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0143.COMP	10	07:59	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0144.BGGem	300	08:00	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0145.COMP	10	08:05	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0146.BXMon	15	08:08	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0147.BXMon	180	08:08	07:25:23.0	-03:35:51	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
0148.COMP	10	08:11	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0149.IPHAS_W1657	1500	08:19	05:51:26.0	+21:24:29	300	90	3.0	#157 IPHAS	2	
0150.COMP	10	08:44	05:51:26.0	+21:24:29	300	90	3.0	#157 IPHAS	2	
0151.IPHAS_W1663	900	08:46	05:52:44.3	+17:11:18	300	90	3.0	#157 IPHAS	2	
0152.COMP	10	09:01	05:52:44.3	+17:11:18	300	90	3.0	#157 IPHAS	2	
0153.IPHAS_W1667	1200	09:02	05:53:42.8	+21:52:23	300	90	3.0	#157 IPHAS	2	
0154.COMP	10	09:22	05:53:42.8	+21:52:23	300	90	3.0	#157 IPHAS	2	
0155.IPHAS_W1670	1200	09:24	05:54:18.6	+22:54:14	300	90	3.0	#157 IPHAS	2	
0156.COMP	10	09:44	05:54:18.6	+22:54:14	300	90	3.0	#157 IPHAS	2	
0157.IPHAS_W1676	900	09:46	05:55:08.9	+24:17:30	300	90	3.0	#157 IPHAS	2	
0158.COMP	10	10:01	05:55:08.9	+24:17:30	300	90	3.0	#157 IPHAS	2	
0159.IPHAS_W1678	600	10:02	05:55:24.6	+22:54:37	300	90	3.0	#157 IPHAS	2	
0160.COMP	10	10:12	05:55:24.6	+22:54:37	300	90	3.0	#157 IPHAS	2	
0161.IPHAS_W1681	600	10:13	05:55:38.6	+18:51:57	300	90	3.0	#157 IPHAS	2	
0162.COMP	10	10:24	05:55:38.6	+18:51:57	300	90	3.0	#157 IPHAS	2	
0163.IPHAS_W1687	1200	10:25	05:56:38.8	+19:03:56	300	90	3.0	#157 IPHAS	2	
0164.COMP	10	10:46	05:56:38.8	+19:03:56	300	90	3.0	#157 IPHAS	2	
0165.HD88230.MOV.K5V	10	10:50	10:11:22.0	+49:27:15	300	90	3.0	#61 Spectral S	2	
0166.HD88230.MOV.K5V	120	10:53	10:11:22.0	+49:27:15	300	90	3.0	#61 Spectral S	2	
0167.COMP	10	10:55	10:11:22.0	+49:27:15	300	90	3.0	#61 Spectral S	2	

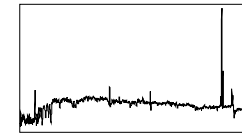


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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0168.ADLeo.M4V	10	10:57	10:19:36.0	+19:52:12	300	90	3.0	#61 Spectral S	2	
0169.ADLeo.M4V	10	10:59	10:19:36.0	+19:52:12	300	90	3.0	#61 Spectral S	2	
0170.ADLeo.M4V	120	10:59	10:19:36.0	+19:52:12	300	90	3.0	#61 Spectral S	2	
0171.COMP	10	11:02	10:19:36.0	+19:52:12	300	90	3.0	#61 Spectral S	2	
0172.HD95735.M2V	10	11:03	11:03:20.0	+35:58:11	300	90	3.0	#61 Spectral S	2	
0173.HD95735.M2V	120	11:04	11:03:20.0	+35:58:11	300	90	3.0	#61 Spectral S	2	
0174.COMP	10	11:07	11:03:20.0	+35:58:11	300	90	3.0	#61 Spectral S	2	
0175.HD98118.M0III	1	11:11	11:17:16.0	+02:00:44	300	90	3.0	#61 Spectral S	2	
0176.HD98118.M0III	10	11:12	11:17:16.0	+02:00:44	300	90	3.0	#61 Spectral S	2	
0177.COMP	10	11:12	11:17:16.0	+02:00:44	300	90	3.0	#61 Spectral S	2	
0178.SS129	300	11:14	07:32:45.0	-26:49:16	300	90	3.0	#12 Symbiotic	2	
0179.SS129	300	11:20	07:32:45.0	-26:49:16	300	90	3.0	#12 Symbiotic	2	
0180.COMP	10	11:25	07:32:45.0	-26:49:16	300	90	3.0	#12 Symbiotic	2	
0181.TXCVn	10	11:27	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0182.TXCVn	30	11:27	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0183.COMP	10	11:28	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0184.IPHAS_W2037	1500	11:32	06:41:40.1	+03:50:52	300	90	3.0	#157 IPHAS	2	
0185.COMP	10	11:57	06:41:40.1	+03:50:52	300	90	3.0	#157 IPHAS	2	
0186.IPHAS_W2043	900	11:59	06:42:15.9	+06:09:36	300	90	3.0	#157 IPHAS	2	
0187.COMP	10	12:15	06:42:15.9	+06:09:36	300	90	3.0	#6 AGN Monitor	2	

UT Date 2009-12-13 Observers M CalkinsColl. Focus 1820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0188.N3227	180	12:16	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0189.N3227	180	12:19	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0190.COMP	10	12:22	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0191.MRK421	240	12:24	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0192.MRK421	240	12:29	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0193.COMP	10	12:33	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0194.N4051	150	12:34	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0195.N4051	150	12:37	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0196.COMP	10	12:40	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0197.N4151	60	12:41	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0198.N4151	60	12:42	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0199.COMP	10	12:43	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0200.WCom	600	12:45	12:21:31.7	+28:13:59	300	90	3.0	#6 AGN Monitor	2	
0201.COMP	10	12:56	12:21:31.7	+28:13:59	300	90	3.0	#6 AGN Monitor	2	
0202.N5548	180	12:57	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0203.N5548	180	13:00	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0204.COMP	10	13:04	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0205-0214.BIAS	0	13:16	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	4	
0215-0224.FLAT	4	13:18	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	4	
0225-0234.BIAS	0	13:20	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	2	

UT Date 2009-12-13 Observers M CalkinsColl. Focus 1820 Grating/Grism 300

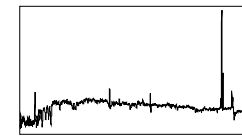
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0235-0249.FLAT	7	13:25	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	2	
0250-0254.DARK	900	14:31	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	2	

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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.BIAS	0	23:30	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	4	
0011-0020.FLAT	4	23:32	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	4	
0021-0030.BIAS	0	23:34	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	2	
0031-0045.FLAT	7	23:38	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	2	
0046-0050.DARK	900	00:45	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	2	

UT Date 2009-12-15 Observers M CalkinsColl. Focus 1820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:03	22:30:00.0	+32:00:00	300	90	3.0	#182 Runaway B	4	
0011-0020.FLAT	4	23:05	22:30:00.0	+32:00:00	300	90	3.0	#182 Runaway B	4	
0021-0030.BIAS	0	23:07	22:30:00.0	+32:00:00	300	90	3.0	#182 Runaway B	2	
0031-0045.FLAT	7	23:11	22:30:00.0	+32:00:00	300	90	3.0	#182 Runaway B	2	
0046-0050.DARK	900	00:16	22:30:00.0	+32:00:00	300	90	3.0	#182 Runaway B	2	
0051.BDp174708	75	01:27	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0052.BDp174708	75	01:28	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0053.COMP	10	01:32	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0054.BDp284211	90	01:33	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0055.BDp284211	90	01:35	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0056.COMP	10	01:37	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0057.CYG13	900	01:41	20:32:56.5	+41:12:08	300	90	3.0	#157 IPHAS	2	
0058.COMP	10	01:56	20:32:56.5	+41:12:08	300	90	3.0	#157 IPHAS	2	
0059.CYG14	600	01:58	20:33:09.2	+41:13:43	300	90	3.0	#157 IPHAS	2	
0060.COMP	10	02:08	20:33:09.2	+41:13:43	300	90	3.0	#157 IPHAS	2	
0061.CYG15	300	02:10	20:31:27.8	+41:29:17	300	90	3.0	#157 IPHAS	2	
0062.COMP	10	02:15	20:31:27.8	+41:29:17	300	90	3.0	#157 IPHAS	2	
0063.CYG16	600	02:16	20:32:22.1	+41:25:00	300	90	3.0	#157 IPHAS	2	
0064.COMP	10	02:27	20:32:22.1	+41:25:00	300	90	3.0	#157 IPHAS	2	
0065.CYG17	300	02:29	20:32:35.8	+41:35:38	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
0066.COMP	10	02:35	20:32:35.8	+41:35:38	300	90	3.0	#157 IPHAS	2	
0067.CYG18	450	02:37	20:33:18.3	+41:17:39	300	90	3.0	#157 IPHAS	2	
0068.COMP	10	02:44	20:33:18.3	+41:17:39	300	90	3.0	#157 IPHAS	2	
0069.CYG19	450	02:46	20:33:33.6	+41:21:52	300	90	3.0	#157 IPHAS	2	
0070.COMP	10	02:54	20:33:33.6	+41:21:52	300	90	3.0	#157 IPHAS	2	
0071.CYG20	450	02:55	20:33:55.9	+41:15:09	300	90	3.0	#157 IPHAS	2	
0072.COMP	10	03:03	20:33:55.9	+41:15:09	300	90	3.0	#157 IPHAS	2	
0073.HD239960.M4V	10	03:07	22:28:00.0	+57:41:45	300	90	3.0	#61 Spectral S	2	
0074.HD239960.M4V	120	03:07	22:28:00.0	+57:41:45	300	90	3.0	#61 Spectral S	2	
0075.COMP	10	03:10	22:28:00.0	+57:41:45	300	90	3.0	#61 Spectral S	2	
0076.sn2009jf	1800	03:14	23:04:53.0	+12:20:00	300	-30	3.0	#2 SN Observat	2	
0077.COMP	10	03:44	23:04:53.0	+12:20:00	300	-30	3.0	#2 SN Observat	2	
0078.ZAnd	1	03:47	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0079.ZAnd	5	03:48	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0080.ZAnd	30	03:48	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0081.ZAnd	1	03:49	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0082.COMP	10	03:49	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0083.RAqr	1	03:51	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0084.RAqr	5	03:52	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0085.RAqr	10	03:52	23:43:49.0	-15:17:05	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
0086.COMP	10	03:52	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0087.HHAnd.M5V	10	03:54	23:41:55.0	+44:10:39	300	90	3.0	#61 Spectral S	2	
0088.HHAnd.M5V	120	03:55	23:41:55.0	+44:10:39	300	90	3.0	#61 Spectral S	2	
0089.COMP	10	03:57	23:41:55.0	+44:10:39	300	90	3.0	#61 Spectral S	2	
0090.HD1013.M2III	1	03:58	00:14:35.0	+20:12:23	300	90	3.0	#61 Spectral S	2	
0091.HD1013.M2III	5	03:59	00:14:35.0	+20:12:23	300	90	3.0	#61 Spectral S	2	
0092.COMP	10	03:59	00:14:35.0	+20:12:23	300	90	3.0	#61 Spectral S	2	
0093.HD1326.M2V	10	04:02	00:18:09.0	+44:01:01	300	90	3.0	#61 Spectral S	2	
0094.HD1326.M2V	1	04:02	00:18:09.0	+44:01:01	300	90	3.0	#61 Spectral S	2	
0095.COMP	10	04:03	00:18:09.0	+44:01:01	300	90	3.0	#61 Spectral S	2	
0096.HD4408.M4III	1	04:04	00:46:32.0	+15:28:33	300	90	3.0	#61 Spectral S	2	
0097.COMP	10	04:04	00:46:32.0	+15:28:33	300	90	3.0	#61 Spectral S	2	
0098.HD4408.M4III	5	04:05	00:46:32.0	+15:28:33	300	90	3.0	#61 Spectral S	2	
0099.TZAri.M5V	10	04:07	02:00:13.0	+13:03:11	300	90	3.0	#61 Spectral S	2	
0100.TZAri.M5V	120	04:07	02:00:13.0	+13:03:11	300	90	3.0	#61 Spectral S	2	
0101.COMP	10	04:09	02:00:13.0	+13:03:11	300	90	3.0	#61 Spectral S	2	
0102.EGAnd	1	04:11	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0103.EGAnd	5	04:11	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0104.EGAnd	10	04:12	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0105.COMP	10	04:12	00:44:37.0	+40:40:47	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
0106.AXPer	4	04:14	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0107.AXPer	30	04:14	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0108.AXPer	90	04:15	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0109.COMP	10	04:16	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0110.HD13136.M2Iab	1	04:19	02:10:15.0	+56:33:33	300	90	3.0	#61 Spectral S	2	
0111.HD13136.M2Iab	30	04:19	02:10:15.0	+56:33:33	300	90	3.0	#61 Spectral S	2	
0112.COMP	10	04:20	02:10:15.0	+56:33:33	300	90	3.0	#61 Spectral S	2	
0113.HD14386.M7III	10	04:22	02:19:21.0	-02:58:39	300	90	3.0	#61 Spectral S	2	
0114.HD14386.M7III	10	04:23	02:19:21.0	-02:58:39	300	90	3.0	#61 Spectral S	2	
0115.COMP	10	04:23	02:19:21.0	-02:58:39	300	90	3.0	#61 Spectral S	2	
0116.HD14386.M7III	10	04:24	02:19:21.0	-02:58:39	300	90	3.0	#61 Spectral S	2	
0117.HD14404.M1Iab	1	04:26	02:21:42.0	+57:51:46	300	90	3.0	#61 Spectral S	2	
0118.HD14404.M1Iab	5	04:26	02:21:42.0	+57:51:46	300	90	3.0	#61 Spectral S	2	
0119.COMP	10	04:27	02:21:42.0	+57:51:46	300	90	3.0	#61 Spectral S	2	
0120.HD14469.M3Iab	1	04:29	02:22:07.0	+56:36:15	300	90	3.0	#61 Spectral S	2	
0121.HD14469.M3Iab	10	04:30	02:22:07.0	+56:36:15	300	90	3.0	#61 Spectral S	2	
0122.COMP	10	04:30	02:22:07.0	+56:36:15	300	90	3.0	#61 Spectral S	2	
0123.HD14528.M3Iab	10	04:31	02:22:51.0	+58:35:12	300	90	3.0	#61 Spectral S	2	
0124.HD14528.M3Iab	60	04:32	02:22:51.0	+58:35:12	300	90	3.0	#61 Spectral S	2	
0125.COMP	10	04:33	02:22:51.0	+58:35:12	300	90	3.0	#61 Spectral S	2	

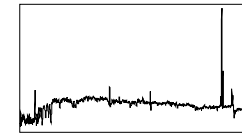


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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0126.HD16210.M4III	10	04:34	02:37:00.0	+34:16:00	300	90	3.0	#61 Spectral S	2	
0127.HD16210.M4III	120	04:35	02:37:00.0	+34:16:00	300	90	3.0	#61 Spectral S	2	
0128.COMP	10	04:37	02:37:00.0	+34:16:00	300	90	3.0	#61 Spectral S	2	
0129.HD232979.MOV.K7V	10	04:38	04:37:39.0	+52:54:01	300	90	3.0	#61 Spectral S	2	
0130.HD232979.MOV.K7V	120	04:39	04:37:39.0	+52:54:01	300	90	3.0	#61 Spectral S	2	
0131.COMP	10	04:41	04:37:39.0	+52:54:01	300	90	3.0	#61 Spectral S	2	
0132.MRK335	180	04:44	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0133.MRK335	180	04:47	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0134.COMP	10	04:50	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0135.3C66A	360	04:54	02:22:39.6	+43:02:08	300	90	3.0	#6 AGN Monitor	2	
0136.3C66A	360	05:00	02:22:39.6	+43:02:08	300	90	3.0	#6 AGN Monitor	2	
0137.COMP	10	05:07	02:22:39.6	+43:02:08	300	90	3.0	#6 AGN Monitor	2	
0138.Akn120	120	05:09	05:16:11.5	-00:09:01	300	90	3.0	#6 AGN Monitor	2	
0139.COMP	10	05:12	05:16:11.5	-00:09:01	300	90	3.0	#6 AGN Monitor	2	
0140.sn2009kk	1800	05:16	03:49:44.3	-03:15:52	300	53	3.0	#2 SN Observat	2	
0141.COMP	10	05:46	03:49:44.3	-03:15:52	300	53	3.0	#2 SN Observat	2	
0142.IPHAS_W0881	900	05:51	03:15:28.6	+62:27:15	300	90	3.0	#157 IPHAS	2	
0143.COMP	10	06:06	03:15:28.6	+62:27:15	300	90	3.0	#157 IPHAS	2	
0144.IPHAS_W0894	1200	06:07	03:19:03.4	+63:07:20	300	90	3.0	#157 IPHAS	2	
0145.COMP	10	06:27	03:19:03.4	+63:07:20	300	90	3.0	#157 IPHAS	2	

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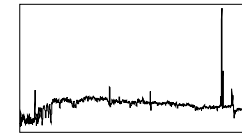
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0146.IPHAS_W0899	720	06:29	03:20:01.5	+60:14:01	300	90	3.0	#157 IPHAS	2	
0147.COMP	10	06:41	03:20:01.5	+60:14:01	300	90	3.0	#157 IPHAS	2	
0148.IPHAS_W0903	1500	06:42	03:20:36.4	+60:18:18	300	90	3.0	#157 IPHAS	2	
0149.COMP	10	07:08	03:20:36.4	+60:18:18	300	90	3.0	#157 IPHAS	2	
0150.IPHAS_W0914	300	07:09	03:22:02.7	+59:34:31	300	90	3.0	#157 IPHAS	2	
0151.COMP	10	07:14	03:22:02.7	+59:34:31	300	90	3.0	#157 IPHAS	2	
0152.IPHAS_W0917	600	07:15	03:23:32.7	+56:14:53	300	90	3.0	#157 IPHAS	2	
0153.COMP	10	07:25	03:23:32.7	+56:14:53	300	90	3.0	#157 IPHAS	2	
0154.IPHAS_W0918	1200	07:27	03:23:42.4	+61:39:59	300	90	3.0	#157 IPHAS	2	
0155.COMP	10	07:47	03:23:42.4	+61:39:59	300	90	3.0	#157 IPHAS	2	
0156.IPHAS_W0921	1200	07:48	03:24:20.3	+61:13:01	300	90	3.0	#157 IPHAS	2	
0157.COMP	10	08:08	03:24:20.3	+61:13:01	300	90	3.0	#157 IPHAS	2	
0158.IPHAS_W0921	1080	08:10	03:24:20.3	+61:13:01	300	90	3.0	#157 IPHAS	2	
0159.COMP	10	08:28	03:24:20.3	+61:13:01	300	90	3.0	#157 IPHAS	2	
0160.IPHAS_W1017	720	08:30	03:54:47.4	+55:29:40	300	90	3.0	#157 IPHAS	2	
0161.COMP	10	08:43	03:54:47.4	+55:29:40	300	90	3.0	#157 IPHAS	2	
0162.IPHAS_W1018	720	08:44	03:55:29.6	+48:47:56	300	90	3.0	#157 IPHAS	2	
0163.COMP	10	08:56	03:55:29.6	+48:47:56	300	90	3.0	#157 IPHAS	2	
0164.IPHAS_W1020	600	08:58	03:55:41.8	+58:31:58	300	90	3.0	#157 IPHAS	2	
0165.COMP	10	09:08	03:55:41.8	+58:31:58	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
0166.HD44537.M0Iab.K5Iab	10	09:22	06:24:54.0	+49:17:17	300	90	3.0	#61 Spectral S	2	
0167.HD44537.M0Iab.K5Iab	10	09:23	06:24:54.0	+49:17:17	300	90	3.0	#61 Spectral S	2	
0168.HD44537.M0Iab.K5Iab	1	09:23	06:24:54.0	+49:17:17	300	90	3.0	#61 Spectral S	2	
0169.HD44537.M0Iab.K5Iab	5	09:23	06:24:54.0	+49:17:17	300	90	3.0	#61 Spectral S	2	
0170.COMP	10	09:24	06:24:54.0	+49:17:17	300	90	3.0	#61 Spectral S	2	
0171.HD50281B.M2V	10	09:32	06:52:18.0	-05:11:24	300	90	3.0	#61 Spectral S	2	
0172.HD50281B.M2V	120	09:33	06:52:18.0	-05:11:24	300	90	3.0	#61 Spectral S	2	
0173.COMP	10	09:35	06:52:18.0	-05:11:24	300	90	3.0	#61 Spectral S	2	
0174.HD54895.M3III	10	09:37	07:13:22.0	+51:25:42	300	90	3.0	#61 Spectral S	2	
0175.HD54895.M3III	1	09:37	07:13:22.0	+51:25:42	300	90	3.0	#61 Spectral S	2	
0176.HD54895.M3III	1	09:37	07:13:22.0	+51:25:42	300	90	3.0	#61 Spectral S	2	
0177.COMP	10	09:38	07:13:22.0	+51:25:42	300	90	3.0	#61 Spectral S	2	
0178.GJ273.M4V	10	09:40	07:27:24.0	+05:13:33	300	90	3.0	#61 Spectral S	2	
0179.GJ273.M4V	120	09:40	07:27:24.0	+05:13:33	300	90	3.0	#61 Spectral S	2	
0180.COMP	10	09:42	07:27:24.0	+05:13:33	300	90	3.0	#61 Spectral S	2	
0181.HD69243.M7III	10	09:44	08:16:34.0	+11:44:00	300	90	3.0	#61 Spectral S	2	
0182.HD69243.M7III	1	09:44	08:16:34.0	+11:44:00	300	90	3.0	#61 Spectral S	2	
0183.COMP	10	09:44	08:16:34.0	+11:44:00	300	90	3.0	#61 Spectral S	2	
0184.HIP41431.M1V.MOV	10	09:46	08:27:01.0	+21:57:25	300	90	3.0	#61 Spectral S	2	
0185.HIP41431.M1V.MOV	120	09:46	08:27:01.0	+21:57:25	300	90	3.0	#61 Spectral S	2	

UT Date 2009-12-15 Observers M CalkinsColl. Focus 1820 Grating/Grism 300

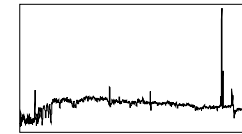
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0186.COMP	10	09:48	08:27:01.0	+21:57:25	300	90	3.0	#61 Spectral S	2	
0187.DXCnc.M6V	120	09:50	08:29:49.0	+26:46:34	300	90	3.0	#61 Spectral S	2	
0188.DXCnc.M6V	600	09:53	08:29:49.0	+26:46:34	300	90	3.0	#61 Spectral S	2	
0189.COMP	10	10:04	08:29:49.0	+26:46:34	300	90	3.0	#61 Spectral S	2	
0190.N2211021132	240	10:07	07:57:31.0	+20:17:33	300	90	3.0	#192 DASCH Lon	2	
0191.COMP	10	10:12	07:57:31.0	+20:17:33	300	90	3.0	#192 DASCH Lon	2	
0192.IPHAS.W1915	1500	10:15	06:28:42.4	+09:32:09	300	90	3.0	#157 IPHAS	2	
0193.COMP	10	10:40	06:28:42.4	+09:32:09	300	90	3.0	#157 IPHAS	2	
0194.IPHAS.W1917	900	10:42	06:28:52.3	+12:00:29	300	90	3.0	#157 IPHAS	2	
0195.COMP	10	10:57	06:28:52.3	+12:00:29	300	90	3.0	#157 IPHAS	2	
0196.sn2009kq	1200	11:03	08:36:15.1	+28:04:02	300	44	3.0	#2 SN Observat	2	
0197.COMP	10	11:23	08:36:15.1	+28:04:02	300	44	3.0	#2 SN Observat	2	
0198.N233012397	240	11:27	09:53:10.0	+33:53:53	300	90	3.0	#192 DASCH Lon	2	
0199.COMP	10	11:31	09:53:10.0	+33:53:53	300	90	3.0	#192 DASCH Lon	2	
0200.RGB0710+591	360	11:37	07:10:30.1	+59:08:20	300	90	3.0	#6 AGN Monitor	2	
0201.COMP	10	11:43	07:10:30.1	+59:08:20	300	90	3.0	#6 AGN Monitor	2	
0202.MRK110	300	11:46	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0203.COMP	10	11:52	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0204.MS1050p4946	300	11:54	10:53:43.7	+49:29:56	300	90	3.0	#6 AGN Monitor	2	
0205.COMP	10	12:00	10:53:43.7	+49:29:56	300	90	3.0	#6 AGN Monitor	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0206.RXJ1058p5628	300	12:01	10:58:37.7	+56:28:11	300	90	3.0	#6 AGN Monitor	2	
0207.COMP	10	12:07	10:58:37.7	+56:28:11	300	90	3.0	#6 AGN Monitor	2	
0208.sn2009mh	1200	12:13	11:43:55.9	+10:46:55	300	20	3.0	#2 SN Observat	2	
0209.COMP	10	12:36	11:43:55.9	+10:46:55	300	20	3.0	#2 SN Observat	2	
0210-0219.BIAS	0	13:10	11:43:55.9	+10:46:55	300	20	3.0	#182 Runaway B	4	
0220-0229.FLAT	4	13:12	11:43:55.9	+10:46:55	300	20	3.0	#182 Runaway B	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0002.BIAS	0	00:01	22:05:14.2	+31:27:18	300	90	3.0	#182 Runaway B	2	
0003-0004.DARK	900	00:18	22:05:14.2	+31:27:18	300	90	3.0	#182 Runaway B	2	
0005-0014.BIAS	0	00:36	22:05:14.2	+31:27:18	300	90	3.0	#182 Runaway B	2	
0015-0029.FLAT	7	00:41	22:05:14.2	+31:27:18	300	90	3.0	#182 Runaway B	2	
0030.COMP	7	00:54	22:05:14.2	+31:27:18	300	90	3.0	#182 Runaway B	2	
0031.COMP	7	00:57	22:05:14.2	+31:27:18	300	90	3.0	#182 Runaway B	2	
0032-0033.FLAT	7	01:01	22:05:14.2	+31:27:18	300	90	3.0	#182 Runaway B	2	
0034.FLAT	15	01:02	22:05:14.2	+31:27:18	300	90	3.0	#182 Runaway B	2	
0035-0042.FLAT	15	01:16	22:05:14.2	+31:27:18	600	90	3.0	#182 Runaway B	2	
0043.BIAS	0	01:19	22:05:14.2	+31:27:18	600	90	2.0	#176	2	
0044.BIAS	0	01:33	23:37:33.7	+46:27:33	600	90	2.0	#99 Director:	2	
0045.BDp404220	90	01:36	20:32:22.4	+41:18:19	600	90	2.0	#99 Director:	2	
0046.COMP	7	01:38	20:32:22.4	+41:18:19	600	90	2.0	#99 Director:	2	
0047.BDp404220	5	01:41	20:32:22.4	+41:18:19	600	90	2.0	#99 Director:	2	
0048.BDp404220	5	01:42	20:32:22.4	+41:18:19	600	90	2.0	#99 Director:	2	
0049.BDp404220	5	01:43	20:32:22.4	+41:18:19	600	90	2.0	#99 Director:	2	
0050.BDp404220	5	01:44	20:32:22.4	+41:18:19	600	90	2.0	#99 Director:	2	
0051.BDp404220	120	01:44	20:32:22.4	+41:18:19	600	90	2.0	#99 Director:	2	
0051.BDp404220q.ms	120	01:44	20:32:22.4	+41:18:19	600	90	2.0	#99 Director:	1	
0052.COMP	7	01:47	20:32:22.4	+41:18:19	600	90	2.0	#99 Director:	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.S3213223162	300	01:54	21:43:34.9	-07:49:58	600	90	2.0	#192 DASCH Lon	2	
0054.COMP	7	02:03	21:43:34.9	-07:49:58	600	90	2.0	#192 DASCH Lon	2	
0055.S3213223162	600	02:04	21:43:34.9	-07:49:58	600	90	2.0	#192 DASCH Lon	2	
0056.COMP	7	02:15	21:43:34.9	-07:49:58	600	90	2.0	#192 DASCH Lon	2	
0057.S321202045	600	02:23	22:26:25.7	-04:38:26	600	90	2.0	#192 DASCH Lon	2	
0058.COMP	7	02:34	22:26:25.7	-04:38:26	600	90	2.0	#192 DASCH Lon	2	
0059.4U2204p543	120	02:40	22:07:57.0	+54:31:06	600	90	2.0	#176 Be/X-ray	2	
0060.COMP	10	02:43	22:07:57.0	+54:31:06	600	90	2.0	#176 Be/X-ray	2	
0061.4U0115p634	1500	02:46	01:18:32.0	+63:44:24	600	90	2.0	#176 Be/X-ray	2	
0062.COMP	10	03:13	01:18:32.0	+63:44:24	600	90	2.0	#176 Be/X-ray	2	
0063.IGRJ01583p6713	1200	03:16	01:58:18.2	+67:13:26	600	90	2.0	#176 Be/X-ray	2	
0064.COMP	10	03:37	01:58:18.2	+67:13:26	600	90	2.0	#176 Be/X-ray	2	
0065.COMP	5	03:44	01:58:18.2	+67:13:26	600	90	1.5	#176 Be/X-ray	4	
0066.COMP	5	03:45	01:58:18.2	+67:13:26	600	90	1.5	#176 Be/X-ray	4	
0067.FLAT	15	03:47	01:58:18.2	+67:13:26	600	90	1.5	#176 Be/X-ray	4	
0068-0077.BIAS	0	03:49	01:58:18.2	+67:13:26	600	90	1.5	#176 Be/X-ray	4	
0078-0088.FLAT	15	03:53	01:58:18.2	+67:13:26	600	90	1.5	#176 Be/X-ray	4	
0089.pg0237p242	1500	04:00	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0090.COMP	10	04:26	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0091.pg0237p242	1500	04:27	02:40:28.1	+24:22:06	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
0092.pg0237p242	1500	04:53	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0093.COMP	10	05:18	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0094.pg0237p242	1500	05:20	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0095.pg0237p242	1500	05:46	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0096.COMP	10	06:12	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0097.pg0237p242	1500	06:13	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0098.pg0237p242	1500	06:46	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0099.COMP	10	07:16	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0100.pg0237p242	1500	07:16	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0101.COMP	10	07:42	02:40:28.1	+24:22:06	600	90	1.5	#178 Extremely	4	
0102.BIAS	0	07:49	06:03:12.3	+31:30:29	600	90	1.5	#178 Extremely	2	
0103.COMP	5	07:51	06:03:12.3	+31:30:29	300	90	1.5	#178 Extremely	2	
0104.COMP	5	07:53	06:03:12.3	+31:30:29	300	90	1.5	#178 Extremely	2	
0105.COMP	5	07:54	06:03:12.3	+31:30:29	300	90	1.5	#178 Extremely	2	
0106.fastfoc	5	07:56	06:03:12.3	+31:30:29	300	90	1.5	#178 Extremely	2	
0107.fastfoc	5	07:57	06:03:12.3	+31:30:29	300	90	1.5	#178 Extremely	2	
0108.fastfoc	5	07:57	06:03:12.3	+31:30:29	300	90	1.5	#178 Extremely	2	
0109.fastfoc	5	07:57	06:03:12.3	+31:30:29	300	90	1.5	#178 Extremely	2	
0110.fastfoc	5	07:58	06:03:12.3	+31:30:29	300	90	1.5	#178 Extremely	2	
0111.HD44179	15	08:12	06:19:58.2	-10:38:10	300	90	1.5	#99 Director:	2	



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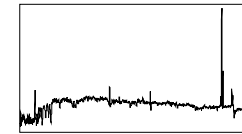
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0111.HD44179q.ms	15	08:12	06:19:58.2	-10:38:10	300	90	1.5	#99 Director:	1	
0112.COMP	5	08:12	06:19:58.2	-10:38:10	300	90	1.5	#99 Director:	2	
0113.HD44179	15	08:16	06:19:58.2	-10:38:10	300	90	1.5	#99 Director:	2	
0114.COMP	5	08:16	06:19:58.2	-10:38:10	300	90	1.5	#99 Director:	2	
0115.HD44179	60	08:19	06:19:58.2	-10:38:10	300	90	1.5	#99 Director:	2	
0116.COMP	5	08:21	06:19:58.2	-10:38:10	300	90	1.5	#99 Director:	2	
0117.HD44179	120	08:21	06:19:58.2	-10:38:10	300	90	1.5	#99 Director:	2	
0118.COMP	5	08:24	06:19:58.2	-10:38:10	300	90	1.5	#99 Director:	2	
0119.HD44113	15	08:26	06:19:36.6	-11:03:09	300	90	1.5	#99 Director:	2	
0120.COMP	5	08:27	06:19:36.6	-11:03:09	300	90	1.5	#99 Director:	2	
0121.HD44113	60	08:28	06:19:36.6	-11:03:09	300	90	1.5	#99 Director:	2	
0122.COMP	5	08:29	06:19:36.6	-11:03:09	300	90	1.5	#99 Director:	2	
0123.HD44113	120	08:30	06:19:36.6	-11:03:09	300	90	1.5	#99 Director:	2	
0124.COMP	5	08:33	06:19:36.6	-11:03:09	300	90	1.5	#99 Director:	2	
0125.COMP	7	08:41	06:19:36.6	-11:03:09	600	90	1.5	#99 Director:	2	
0126.COMP	7	08:43	06:19:36.6	-11:03:09	600	90	1.5	#99 Director:	2	
0127.COMP	7	08:44	06:19:36.6	-11:03:09	600	90	1.5	#99 Director:	2	
0128.A0535p262	30	08:47	05:38:54.5	+26:18:57	600	90	1.5	#176 Be/X-ray	2	
0128.A0535p262q.ms	30	08:47	05:38:54.5	+26:18:57	600	90	1.5	#176 Be/X-ray	1	
0129.COMP	7	08:48	05:38:54.5	+26:18:57	600	90	1.5	#176 Be/X-ray	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0130.IGRJ06074p2205	300	08:50	06:07:26.6	+22:05:48	600	90	1.5	#176 Be/X-ray	2	
0131.COMP	7	08:55	06:07:26.6	+22:05:48	600	90	1.5	#176 Be/X-ray	2	
0132.MXB0656-072	300	08:58	06:58:16.8	-07:12:38	600	90	1.5	#176 Be/X-ray	2	
0133.COMP	7	09:04	06:58:16.8	-07:12:38	600	90	1.5	#176 Be/X-ray	2	
0134.N2230030699	300	09:06	07:36:06.4	+21:14:12	600	90	1.5	#192 DASCH Lon	2	
0135.COMP	7	09:12	07:36:06.4	+21:14:12	600	90	1.5	#192 DASCH Lon	2	
0136.N2222020316	180	09:14	07:20:59.0	+24:59:58	600	90	1.5	#192 DASCH Lon	2	
0137.COMP	7	09:18	07:20:59.0	+24:59:58	600	90	1.5	#192 DASCH Lon	2	
0138.N2222020316	60	09:19	07:20:59.0	+24:59:58	600	90	1.5	#192 DASCH Lon	2	
0139.COMP	7	09:20	07:20:59.0	+24:59:58	600	90	1.5	#192 DASCH Lon	2	
0140.N2230131595	30	09:22	07:07:21.3	+22:42:13	600	90	1.5	#192 DASCH Lon	2	
0141.COMP	7	09:23	07:07:21.3	+22:42:13	600	90	1.5	#192 DASCH Lon	2	
0142.N2211330177	180	09:25	07:54:45.9	+16:41:41	600	90	1.5	#192 DASCH Lon	2	
0143.COMP	7	09:29	07:54:45.9	+16:41:41	600	90	1.5	#192 DASCH Lon	2	
0144.N2211330177	360	09:29	07:54:45.9	+16:41:41	600	90	1.5	#192 DASCH Lon	2	
0145.COMP	7	09:36	07:54:45.9	+16:41:41	600	90	1.5	#192 DASCH Lon	2	
0146.N2211021132	360	09:38	07:57:31.0	+20:17:33	600	90	1.5	#192 DASCH Lon	2	
0147.COMP	7	09:46	07:57:31.0	+20:17:33	600	90	1.5	#192 DASCH Lon	2	
0148.BIAS	0	09:48	07:57:31.0	+20:17:33	600	90	1.5	#99 Director:	4	
0149.COMP	10	09:51	07:57:31.0	+20:17:33	600	90	1.5	#99 Director:	4	

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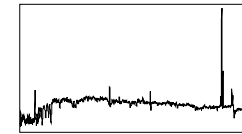
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0150-0160.FLAT	15	09:59	07:57:31.0	+20:17:33	600	90	2.0	#99 Director:	4	
0161.bhvs025	1140	10:02	09:24:53.3	+13:17:13	600	90	2.0	#182 Runaway B	4	
0162.COMP	10	10:22	09:24:53.3	+13:17:13	600	90	2.0	#182 Runaway B	4	
0163.HD44179	5	10:28	06:19:58.2	-10:38:10	600	90	2.0	#99 Director:	4	
0164.HD44179	5	10:30	06:19:58.2	-10:38:10	600	90	2.0	#99 Director:	4	
0165.HD44179	15	10:31	06:19:58.2	-10:38:10	600	90	2.0	#99 Director:	2	
0166.COMP	10	10:31	06:19:58.2	-10:38:10	600	90	2.0	#99 Director:	2	
0167.HD44179	15	10:32	06:19:58.2	-10:38:10	600	90	2.0	#99 Director:	2	
0168.COMP	10	10:33	06:19:58.2	-10:38:10	600	90	2.0	#99 Director:	2	
0169.HD44179	60	10:37	06:19:58.2	-10:38:10	300	90	2.0	#99 Director:	2	
0170.COMP	10	10:38	06:19:58.2	-10:38:10	300	90	2.0	#99 Director:	2	
0171.HD44179	120	10:39	06:19:58.2	-10:38:10	300	90	2.0	#99 Director:	2	
0172.COMP	10	10:41	06:19:58.2	-10:38:10	300	90	2.0	#99 Director:	2	
0173.bhvs053	780	10:52	10:08:32.3	+16:29:26	600	90	2.0	#182 Runaway B	4	wrong exp time, redo
0174.COMP	10	11:06	10:08:32.3	+16:29:26	600	90	2.0	#182 Runaway B	4	
0175.bhvs053	1500	11:07	10:08:32.3	+16:29:26	600	90	2.0	#182 Runaway B	4	
0175.bhvs053q.ms	1500	11:07	10:08:32.3	+16:29:26	600	90	2.0	#182 Runaway B	1	
0176.COMP	10	11:33	10:08:32.3	+16:29:26	600	90	2.0	#182 Runaway B	4	
0177.A0535p262	60	11:40	05:38:54.5	+26:18:57	600	90	2.0	#176 Be/X-ray	2	
0178.COMP	7	11:42	05:38:54.5	+26:18:57	600	90	2.0	#176 Be/X-ray	2	

UT Date 2009-12-16 Observers E FalcoColl. Focus 1900 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>
0179.bhvs052	780	12:04	10:02:05.6	+18:35:32	600	90	2.0	#182 Runaway B	4	
0180.COMP	10	12:18	10:02:05.6	+18:35:32	600	90	2.0	#182 Runaway B	4	
0181.bhvs075	900	12:22	12:58:12.4	+12:33:24	600	90	2.0	#182 Runaway B	4	
0182.COMP	10	12:38	12:58:12.4	+12:33:24	600	90	2.0	#182 Runaway B	4	
0183.bhvs076	600	12:41	13:06:17.4	+13:31:59	600	90	2.0	#182 Runaway B	4	
0184.COMP	10	12:52	13:06:17.4	+13:31:59	600	90	2.0	#182 Runaway B	4	
0185.bhvs061	600	12:56	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	4	
0186.COMP	10	13:06	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	4	
0187.Sky	120	13:17	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	4	
0188.Sky	60	13:20	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	4	
0189-0192.Sky	120	13:31	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	4	
0193.Sky	240	13:33	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	4	
0194-0198.DARK	900	15:06	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	4	
0199-0203.DARK	900	16:23	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	2	

UT Date 2009-12-17 Observers W PetersColl. Focus 1820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	23:52	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	2	
0002.COMP	10	23:53	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	2	
0003-0005.DARK	900	00:31	11:17:56.8	-12:47:26	600	90	2.0	#182 Runaway B	2	
0012-0021.BIAS	0	01:26	11:17:56.8	-12:47:26	300	90	3.0	#182 Runaway B	2	
0022-0036.FLAT	7	01:31	11:17:56.8	-12:47:26	300	90	3.0	#182 Runaway B	2	
0037.BDp284211	90	01:47	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0038.COMP	10	01:49	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0039.BDp284211	90	01:50	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0040.COMP	10	01:53	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0041.BDp174708	75	01:57	22:11:31.4	+18:05:34	300	59	3.0	#56 Spectropho	2	
0042.BDp174708	75	01:59	22:11:31.4	+18:05:34	300	59	3.0	#56 Spectropho	2	
0043.COMP	10	02:01	22:11:31.4	+18:05:34	300	59	3.0	#56 Spectropho	2	
0044.N7331	180	02:05	22:37:04.1	+34:24:56	300	89	3.0	#57 Velocity S	2	
0045.N7331	180	02:08	22:37:04.1	+34:24:56	300	89	3.0	#57 Velocity S	2	
0046.COMP	10	02:12	22:37:04.1	+34:24:56	300	89	3.0	#57 Velocity S	2	
0047.IPHAS_W4713	900	02:27	23:29:17.2	+61:01:29	300	-29	3.0	#157 IPHAS	2	
0048.COMP	10	02:43	23:29:17.2	+61:01:29	300	-29	3.0	#157 IPHAS	2	
0049.sn2009le	1800	03:00	02:09:17.1	-23:24:45	300	-12	3.0	#2 SN Observat	2	
0050.COMP	10	03:31	02:09:17.1	-23:24:45	300	-12	3.0	#2 SN Observat	2	
0051.sn2009jf	1800	03:37	23:04:53.0	+12:20:00	300	50	3.0	#2 SN Observat	2	

UT Date 2009-12-17 Observers W PetersColl. Focus 1820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.COMP	10	04:08	23:04:53.0	+12:20:00	300	50	3.0	#2 SN Observat	2	
0053.IPHAS_W4714	1500	04:26	23:29:18.1	+62:43:07	300	105	3.0	#157 IPHAS	2	
0054.COMP	10	04:51	23:29:18.1	+62:43:07	300	105	3.0	#157 IPHAS	2	
0055.IPHAS_W4715	1500	04:56	23:29:37.1	+61:27:50	300	99	3.0	#157 IPHAS	2	
0056.COMP	10	05:22	23:29:37.1	+61:27:50	300	99	3.0	#157 IPHAS	2	
0057.IPHAS_W4716	1320	05:26	23:29:37.8	+57:42:25	300	90	3.0	#157 IPHAS	2	
0058.COMP	10	05:49	23:29:37.8	+57:42:25	300	90	3.0	#157 IPHAS	2	
0060.BIAS	0	07:02	05:20:35.5	+31:29:49	300	1	3.0	#182 Runaway B	2	
0061.cvso-61924	600	07:26	05:19:28.7	-03:36:51	300	59	3.0	#112 Orion PMS	2	
0062.COMP	10	07:37	05:19:28.7	-03:36:51	300	59	3.0	#112 Orion PMS	2	
0063.cvso-61951	600	07:41	05:19:31.8	-03:37:01	300	59	3.0	#112 Orion PMS	2	
0064.COMP	10	07:52	05:19:31.8	-03:37:01	300	59	3.0	#112 Orion PMS	2	
0065.cvso-29796	600	07:57	05:19:35.8	+01:59:43	300	90	3.0	#112 Orion PMS	2	
0066.COMP	10	08:07	05:19:35.8	+01:59:43	300	90	3.0	#112 Orion PMS	2	
0067.cvso-32973	600	08:12	05:19:39.4	-02:33:19	300	90	3.0	#112 Orion PMS	2	
0068.COMP	10	08:22	05:19:39.4	-02:33:19	300	90	3.0	#112 Orion PMS	2	
0069.cvso-21943	600	08:24	05:19:58.0	+00:12:18	300	90	3.0	#112 Orion PMS	2	
0070.COMP	10	08:35	05:19:58.0	+00:12:18	300	90	3.0	#112 Orion PMS	2	
0071.cvso-32363	600	08:37	05:20:00.4	-02:18:51	300	90	3.0	#112 Orion PMS	2	
0072.COMP	10	08:48	05:20:00.4	-02:18:51	300	90	3.0	#112 Orion PMS	2	

UT Date 2009-12-17 Observers W PetersColl. Focus 1820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.cvso-40556	480	08:50	05:20:07.2	+01:03:27	300	90	3.0	#112 Orion PMS	2	
0074.COMP	10	08:58	05:20:07.2	+01:03:27	300	90	3.0	#112 Orion PMS	2	
0075.cvso-22076	300	09:00	05:20:09.0	-00:07:21	300	90	3.0	#112 Orion PMS	2	
0076.COMP	10	09:07	05:20:09.0	-00:07:21	300	90	3.0	#112 Orion PMS	2	
0077.cvso-54641	540	09:11	05:20:15.0	-04:14:45	300	90	3.0	#112 Orion PMS	2	
0078.COMP	10	09:21	05:20:15.0	-04:14:45	300	90	3.0	#112 Orion PMS	2	
0079.cvso-22281	240	09:23	05:20:24.3	-00:00:58	300	90	3.0	#112 Orion PMS	2	
0080.COMP	10	09:28	05:20:24.3	-00:00:58	300	90	3.0	#112 Orion PMS	2	
0081.cvso-41145	360	09:30	05:20:27.8	+00:35:48	300	90	3.0	#112 Orion PMS	2	
0082.COMP	10	09:36	05:20:27.8	+00:35:48	300	90	3.0	#112 Orion PMS	2	
0083.cvso-41256	360	09:38	05:20:34.5	+00:49:21	300	90	3.0	#112 Orion PMS	2	
0084.COMP	10	09:44	05:20:34.5	+00:49:21	300	90	3.0	#112 Orion PMS	2	
0085.cvso-30831	360	09:47	05:20:34.7	+01:55:27	300	80	3.0	#112 Orion PMS	2	
0086.COMP	10	09:54	05:20:34.7	+01:55:27	300	80	3.0	#112 Orion PMS	2	
0087.cvso-22488	300	09:56	05:20:38.9	-00:00:59	300	90	3.0	#112 Orion PMS	2	
0088.COMP	10	10:02	05:20:38.9	-00:00:59	300	90	3.0	#112 Orion PMS	2	
0089.cvso-22527	240	10:04	05:20:42.2	+00:02:41	300	90	3.0	#112 Orion PMS	2	
0090.COMP	10	10:09	05:20:42.2	+00:02:41	300	90	3.0	#112 Orion PMS	2	
0091.sn2009kq	1800	10:23	08:36:15.1	+28:04:02	300	90	3.0	#2 SN Observat	2	
0092.COMP	10	10:54	08:36:15.1	+28:04:02	300	90	3.0	#2 SN Observat	2	

UT Date 2009-12-17 Observers W PetersColl. Focus 1820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.N3227	180	11:07	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0094.N3227	180	11:10	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0095.COMP	10	11:14	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0096.C070813.2+293523	300	11:19	07:08:13.2	+29:35:23	300	90	3.0	#188 Dwarf C S	2	too short doing again
0097.C070813.2+293523	900	11:25	07:08:13.2	+29:35:23	300	90	3.0	#188 Dwarf C S	2	
0098.COMP	10	11:42	07:08:13.2	+29:35:23	300	90	3.0	#188 Dwarf C S	2	
0099.C072143.4+145732	760	11:50	07:21:43.4	+14:57:32	300	51	3.0	#188 Dwarf C S	2	
0100.COMP	10	12:03	07:21:43.4	+14:57:32	300	51	3.0	#188 Dwarf C S	2	
0101.C074457.0+471143	720	12:11	07:44:57.1	+47:11:44	300	89	3.0	#188 Dwarf C S	2	
0102.COMP	10	12:24	07:44:57.1	+47:11:44	300	89	3.0	#188 Dwarf C S	2	
0103.C074647.0+432036	720	12:29	07:46:47.1	+43:20:37	300	89	3.0	#188 Dwarf C S	2	
0104.COMP	10	12:41	07:46:47.1	+43:20:37	300	89	3.0	#188 Dwarf C S	2	
0105.C074900.2+482339	720	12:44	07:49:00.2	+48:23:39	300	89	3.0	#188 Dwarf C S	2	
0106.COMP	10	12:57	07:49:00.2	+48:23:39	300	89	3.0	#188 Dwarf C S	2	
0107.C075059.6+404336	600	13:01	07:50:59.6	+40:43:36	300	89	3.0	#188 Dwarf C S	2	
0108.COMP	10	13:13	07:50:59.6	+40:43:36	300	89	3.0	#188 Dwarf C S	2	
0109-0118.BIAS	0	13:23	07:50:59.6	+40:43:36	300	89	3.0	#182 Runaway B	2	
0119-0133.FLAT	7	13:28	07:50:59.6	+40:43:36	300	89	3.0	#182 Runaway B	2	
0134-0138.DARK	900	14:33	07:50:59.6	+40:43:36	300	89	3.0	#182 Runaway B	2	

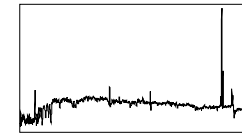


UT Date 2009-12-18 Observers W PetersColl. Focus 1820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:54	07:50:59.6	+40:43:36	300	89	3.0	#182 Runaway B	2	
0011-0025.FLAT	7	00:00	07:50:59.6	+40:43:36	300	89	3.0	#182 Runaway B	2	
0026.COMP	10	00:03	07:50:59.6	+40:43:36	300	89	3.0	#182 Runaway B	2	
0027.COMP	10	00:04	07:50:59.6	+40:43:36	300	89	3.0	#182 Runaway B	2	
0028-0030.DARK	900	00:47	07:50:59.6	+40:43:36	300	89	3.0	#182 Runaway B	2	
0031.BDp284211	90	01:16	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0032.BDp284211	90	01:17	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0033.COMP	10	01:19	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0034.BDp284211	75	01:22	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0035.BDp284211	75	01:24	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0036.COMP	10	01:26	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0037.N7331	180	01:27	22:37:04.1	+34:24:56	300	89	3.0	#57 Velocity S	2	
0038.N7331	180	01:31	22:37:04.1	+34:24:56	300	89	3.0	#57 Velocity S	2	
0039.COMP	10	01:34	22:37:04.1	+34:24:56	300	89	3.0	#57 Velocity S	2	
0040.IPHAS_W0227	900	01:50	00:54:36.8	+63:05:50	300	89	3.0	#157 IPHAS	2	
0041.COMP	10	02:06	00:54:36.8	+63:05:50	300	89	3.0	#157 IPHAS	2	
0042.IPHAS_W0229	600	02:08	00:54:46.0	+60:30:12	300	89	3.0	#157 IPHAS	2	
0043.COMP	10	02:19	00:54:46.0	+60:30:12	300	89	3.0	#157 IPHAS	2	
0044.IPHAS_W0232	600	02:21	00:56:11.6	+63:03:50	300	89	3.0	#157 IPHAS	2	
0045.COMP	10	02:32	00:56:11.6	+63:03:50	300	89	3.0	#157 IPHAS	2	

UT Date 2009-12-18 Observers W PetersColl. Focus 1820 Grating/Grism 300

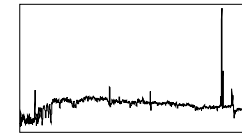
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.IPHAS_W0233	480	02:45	00:56:19.5	+62:58:24	300	89	3.0	#157 IPHAS	2	
0049.COMP	10	02:54	00:56:19.5	+62:58:24	300	89	3.0	#157 IPHAS	2	
0050.IPHAS_W0236	720	02:56	00:56:51.7	+62:09:43	300	89	3.0	#157 IPHAS	2	
0051.COMP	10	03:09	00:56:51.7	+62:09:43	300	89	3.0	#157 IPHAS	2	
0052.IPHAS_W0413	600	03:12	01:55:24.7	+61:58:36	300	89	3.0	#157 IPHAS	2	
0053.COMP	10	03:24	01:55:24.7	+61:58:36	300	89	3.0	#157 IPHAS	2	
0054.IPHAS_W0414	600	03:26	01:55:26.1	+62:50:56	300	89	3.0	#157 IPHAS	2	
0055.COMP	10	03:37	01:55:26.1	+62:50:56	300	89	3.0	#157 IPHAS	2	
0056.IPHAS_W0688	480	03:42	02:44:54.0	+63:56:08	300	89	3.0	#157 IPHAS	2	
0057.COMP	10	03:51	02:44:54.0	+63:56:08	300	89	3.0	#157 IPHAS	2	
0058.IPHAS_W0691	900	03:54	02:45:06.1	+61:14:09	300	89	3.0	#157 IPHAS	2	
0059.COMP	10	04:10	02:45:06.1	+61:14:09	300	89	3.0	#157 IPHAS	2	
0060.IPHAS_W0857	1200	04:13	03:07:11.5	+59:31:16	300	89	3.0	#157 IPHAS	2	
0061.COMP	10	04:34	03:07:11.5	+59:31:16	300	89	3.0	#157 IPHAS	2	
0062.IPHAS_W0858	600	04:38	03:07:43.4	+58:19:58	300	99	3.0	#157 IPHAS	2	
0063.COMP	10	04:49	03:07:43.4	+58:19:58	300	99	3.0	#157 IPHAS	2	
0064.IPHAS_W1022	1200	04:53	03:56:08.3	+53:45:26	300	80	3.0	#157 IPHAS	2	
0065.COMP	10	05:13	03:56:08.3	+53:45:26	300	80	3.0	#157 IPHAS	2	
0066.IPHAS_W1028	900	05:17	03:56:54.4	+52:16:52	300	80	3.0	#157 IPHAS	2	
0067.COMP	10	05:33	03:56:54.4	+52:16:52	300	80	3.0	#157 IPHAS	2	

UT Date 2009-12-18 Observers W PetersColl. Focus 1820 Grating/Grism 300

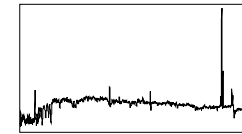
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.IPHAS_W1029	600	05:36	03:56:55.2	+52:51:20	300	89	3.0	#157 IPHAS	2	
0069.COMP	10	05:46	03:56:55.2	+52:51:20	300	89	3.0	#157 IPHAS	2	
0070.IPHAS_W1033	1200	05:49	03:57:13.9	+51:59:27	300	89	3.0	#157 IPHAS	2	
0071.COMP	10	06:09	03:57:13.9	+51:59:27	300	89	3.0	#157 IPHAS	2	
0072.IPHAS_W1036	480	06:13	03:57:44.2	+57:09:39	300	80	3.0	#157 IPHAS	2	
0073.COMP	10	06:21	03:57:44.2	+57:09:39	300	80	3.0	#157 IPHAS	2	
0074.IPHAS_W1038	300	06:24	03:57:54.9	+52:25:37	300	80	3.0	#157 IPHAS	2	
0075.COMP	10	06:30	03:57:54.9	+52:25:37	300	80	3.0	#157 IPHAS	2	
0086.J040721	720	08:04	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0087.COMP	22	08:16	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0088.J040721	720	08:19	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0089.COMP	22	08:32	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0090.HD52071	10	08:39	07:00:58.2	+27:09:27	1200	90	1.1	#57 Velocity S	2	
0091.HD52071	10	08:39	07:00:58.2	+27:09:27	1200	90	1.1	#57 Velocity S	2	
0092.HD52071	10	08:39	07:00:58.2	+27:09:27	1200	90	1.1	#57 Velocity S	2	
0093.HD52071	10	08:40	07:00:58.2	+27:09:27	1200	90	1.1	#57 Velocity S	2	
0094.HD52071	20	08:41	07:00:58.2	+27:09:27	1200	90	1.1	#57 Velocity S	2	
0095.HD52071	20	08:41	07:00:58.2	+27:09:27	1200	90	1.1	#57 Velocity S	2	
0096.HD52071	20	08:42	07:00:58.2	+27:09:27	1200	90	1.1	#57 Velocity S	2	
0097.HD52071	20	08:42	07:00:58.2	+27:09:27	1200	90	1.1	#57 Velocity S	2	

UT Date 2009-12-18 Observers W PetersColl. Focus 1820 Grating/Grism 300

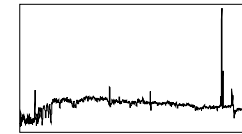
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.COMP	22	08:43	07:00:58.2	+27:09:27	1200	90	1.1	#57 Velocity S	2	
0099.HD84937	40	08:46	09:48:56.1	+13:44:39	1200	90	1.1	#56 Spectropho	2	
0100.HD84937	40	08:47	09:48:56.1	+13:44:39	1200	90	1.1	#56 Spectropho	2	
0101.HD84937	40	08:48	09:48:56.1	+13:44:39	1200	90	1.1	#56 Spectropho	2	
0102.HD84937	40	08:49	09:48:56.1	+13:44:39	1200	90	1.1	#56 Spectropho	2	
0103.COMP	22	08:51	09:48:56.1	+13:44:39	1200	90	1.1	#56 Spectropho	2	
0104.HD50281S.M2V	20	08:55	06:52:18.0	-05:10:25	1200	90	1.1	#191 2XMM Vari	2	
0105.HD50281S.M2V	20	08:55	06:52:18.0	-05:10:25	1200	90	1.1	#191 2XMM Vari	2	
0106.HD50281S.M2V	20	08:56	06:52:18.0	-05:10:25	1200	90	1.1	#191 2XMM Vari	2	
0107.HD50281S.M2V	20	08:56	06:52:18.0	-05:10:25	1200	90	1.1	#191 2XMM Vari	2	
0108.COMP	22	08:57	06:52:18.0	-05:10:25	1200	90	1.1	#191 2XMM Vari	2	
0109.HD45652.K5V	20	08:59	06:29:13.0	+10:56:02	1200	90	1.1	#191 2XMM Vari	2	
0110.HD45652.K5V	20	08:59	06:29:13.0	+10:56:02	1200	90	1.1	#191 2XMM Vari	2	
0111.HD45652.K5V	20	09:00	06:29:13.0	+10:56:02	1200	90	1.1	#191 2XMM Vari	2	
0112.HD45652.K5V	20	09:00	06:29:13.0	+10:56:02	1200	90	1.1	#191 2XMM Vari	2	
0113.COMP	22	09:01	06:29:13.0	+10:56:02	1200	90	1.1	#191 2XMM Vari	2	
0114.J040721	720	09:05	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0115.COMP	22	09:18	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0116.J040721	720	09:19	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0117.COMP	22	09:32	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.J040721	720	09:33	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0119.COMP	22	09:46	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0120.COMP	22	09:52	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0121.J040721	720	09:53	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0122.COMP	22	10:06	04:07:21.8	-12:10:03	1200	-29	1.1	#191 2XMM Vari	2	
0123-0137.FLAT	40	10:33	04:07:21.8	-12:10:03	1200	89	1.1	#191 2XMM Vari	2	
0138-0140.BIAS	0	10:40	04:07:21.8	-12:10:03	300	89	3.0	#191 2XMM Vari	2	
0141.COMP	10	10:41	04:07:21.8	-12:10:03	300	89	3.0	#191 2XMM Vari	2	
0142.C075317.4+103912	480	10:51	07:53:17.4	+10:39:12	300	89	3.0	#188 Dwarf C S	2	
0143.COMP	10	10:59	07:53:17.4	+10:39:12	300	89	3.0	#188 Dwarf C S	2	
0144.C075409.6+270635	480	11:02	07:54:09.7	+27:06:35	300	89	3.0	#188 Dwarf C S	2	
0145.COMP	10	11:11	07:54:09.7	+27:06:35	300	89	3.0	#188 Dwarf C S	2	
0146.C075516.0+521400	600	11:15	07:55:16.1	+52:14:00	300	89	3.0	#188 Dwarf C S	2	
0147.COMP	10	11:26	07:55:16.1	+52:14:00	300	89	3.0	#188 Dwarf C S	2	
0148.C075855.1+331627	600	11:30	07:58:55.1	+33:16:27	300	89	3.0	#188 Dwarf C S	2	
0149.COMP	10	11:41	07:58:55.1	+33:16:27	300	89	3.0	#188 Dwarf C S	2	
0150.C075916.9+095524	900	11:42	07:59:16.9	+09:55:24	300	89	3.0	#188 Dwarf C S	2	
0151.COMP	10	11:58	07:59:16.9	+09:55:24	300	89	3.0	#188 Dwarf C S	2	
0152.C080023.6+163622	600	12:00	08:00:23.7	+16:36:23	300	89	3.0	#188 Dwarf C S	2	
0153.COMP	10	12:10	08:00:23.7	+16:36:23	300	89	3.0	#188 Dwarf C S	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0154.C080346.5+542641	600	12:13	08:03:46.5	+54:26:41	300	89	3.0	#188 Dwarf C S	2	
0155.COMP	10	12:24	08:03:46.5	+54:26:41	300	89	3.0	#188 Dwarf C S	2	
0156.C080831.0+320342	600	12:28	08:08:31.1	+32:03:43	300	97	3.0	#188 Dwarf C S	2	
0157.COMP	10	12:39	08:08:31.1	+32:03:43	300	97	3.0	#188 Dwarf C S	2	
0158.C110002.9+405114	600	12:49	11:00:02.9	+40:51:15	300	91	3.0	#188 Dwarf C S	2	
0159.COMP	10	12:59	11:00:02.9	+40:51:15	300	91	3.0	#188 Dwarf C S	2	
0160-0169.BIAS	0	13:15	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0170-0184.FLAT	7	13:21	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0185-0189.DARK	900	14:32	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	19:15	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	4	x5 darks
0002-0005.DARK	900	20:16	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	4	
0006.COMP	12	20:43	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	1200 comp tests
0007.COMP	12	20:44	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0008.COMP	12	20:47	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0008.COMP.ms	12	20:47	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	1	
0009.COMP	12	20:52	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0009.COMP.ms	12	20:52	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	1	
0010.COMP	12	21:19	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0010.COMP.ms	12	21:19	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	1	
0011.COMP	10	21:25	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0011.COMP.ms	10	21:25	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	1	
0012.COMP	10	21:45	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0012.COMP.ms	10	21:45	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	1	
0013.COMP	10	21:54	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0013.COMP.ms	10	21:54	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	1	
0014.COMP	10	22:06	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0014.COMP.ms	10	22:06	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	1	
0015.COMP	10	22:13	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0015.COMP.ms	10	22:13	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	1	

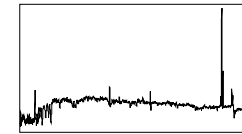
UT Date 2009-12-19 Observers W BrownColl. Focus 1820 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0016.COMP	10	22:29	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	2	
0016.COMP.ms	10	22:29	11:02:58.2	-01:06:20	300	91	3.0	#191 2XMM Vari	1	
0017.fastfoc	10	23:18	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	focus=1920
0018.fastfoc	10	23:19	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	
0019.fastfoc	10	23:19	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	
0020.fastfoc	10	23:19	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	
0021.fastfoc	10	23:20	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	
0022.fastfoc	10	23:20	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	
0023.fastfoc	10	23:21	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	
0024.BIAS	0	23:27	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	x11 bias
0025-0034.BIAS	0	23:28	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	
0035.FLAT	12	00:08	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	x11 flat tilt=445
0036-0045.FLAT	12	00:12	11:02:58.2	-01:06:20	600	91	2.0	#191 2XMM Vari	4	
0046.kinman36	75	01:12	23:14:17.5	+02:37:31	600	91	2.0	#182 Runaway B	4	
0047.COMP	10	01:14	23:14:17.5	+02:37:31	600	91	2.0	#182 Runaway B	4	
0048.kinman37	140	01:15	23:15:46.0	+09:18:01	600	91	2.0	#182 Runaway B	4	
0049.COMP	10	01:18	23:15:46.0	+09:18:01	600	91	2.0	#182 Runaway B	4	
0050.kinman33	270	01:19	23:11:12.8	+13:50:56	600	91	2.0	#182 Runaway B	4	
0051.COMP	10	01:23	23:11:12.8	+13:50:56	600	91	2.0	#182 Runaway B	4	
0052.BDp284211	90	01:24	21:51:11.0	+28:51:50	600	91	2.0	#56 Spectropho	4	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.COMP	10	01:26	21:51:11.0	+28:51:50	600	91	2.0	#56 Spectropho	4	
0054.bhvs381	720	01:28	21:09:07.4	+18:17:47	600	91	2.0	#182 Runaway B	4	
0055.COMP	10	01:41	21:09:07.4	+18:17:47	600	91	2.0	#182 Runaway B	4	
0056.bhvs459	1500	01:43	21:59:15.7	-09:16:46	600	91	2.0	#182 Runaway B	4	
0057.COMP	10	02:08	21:59:15.7	-09:16:46	600	91	2.0	#182 Runaway B	4	
0058.bhvs381	720	02:10	21:09:07.4	+18:17:47	600	91	2.0	#182 Runaway B	4	
0059.COMP	10	02:22	21:09:07.4	+18:17:47	600	91	2.0	#182 Runaway B	4	
0060.bhvs462	540	02:24	00:26:14.6	-18:23:38	600	91	2.0	#182 Runaway B	4	
0061.COMP	10	02:33	00:26:14.6	-18:23:38	600	91	2.0	#182 Runaway B	4	
0062.bhvs462	540	02:33	00:26:14.6	-18:23:38	600	91	2.0	#182 Runaway B	4	
0063.COMP	10	02:43	00:26:14.6	-18:23:38	600	91	2.0	#182 Runaway B	4	
0064.kinman34	270	02:45	23:21:51.0	+12:47:24	600	91	2.0	#182 Runaway B	4	
0065.COMP	10	02:50	23:21:51.0	+12:47:24	600	91	2.0	#182 Runaway B	4	
0066.kinman35	270	02:50	23:34:58.9	+13:44:06	600	91	2.0	#182 Runaway B	4	
0067.COMP	10	02:55	23:34:58.9	+13:44:06	600	91	2.0	#182 Runaway B	4	
0068.kinman39	90	02:57	23:31:50.0	+12:51:00	600	91	2.0	#182 Runaway B	4	
0069.COMP	10	02:58	23:31:50.0	+12:51:00	600	91	2.0	#182 Runaway B	4	
0070.N0313222857	120	03:03	21:10:23.5	+14:04:46	600	91	2.0	#192 DASCH Lon	2	tilt=628
0071.COMP	10	03:05	21:10:23.5	+14:04:46	600	91	2.0	#192 DASCH Lon	2	
0072.N0313311705	120	03:06	21:06:26.3	+17:57:07	600	91	2.0	#192 DASCH Lon	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.COMP	10	03:09	21:06:26.3	+17:57:07	600	91	2.0	#192 DASCH Lon	2	
0074.N002010375	420	03:10	21:41:33.3	+01:24:56	600	91	2.0	#192 DASCH Lon	2	
0075.COMP	10	03:17	21:41:33.3	+01:24:56	600	91	2.0	#192 DASCH Lon	2	
0076.N0022112339	90	03:18	21:51:02.0	+12:37:32	600	91	2.0	#192 DASCH Lon	2	
0077.COMP	10	03:20	21:51:02.0	+12:37:32	600	91	2.0	#192 DASCH Lon	2	
0078.FLAT	15	03:21	01:50:00.0	+30:00:00	600	91	2.0	#182 Runaway B	2	x10 flat
0079-0087.FLAT	15	03:25	01:50:00.0	+30:00:00	600	91	2.0	#182 Runaway B	2	
0088.IGRJ01363p6610	600	03:32	01:35:49.8	+66:12:43	600	91	2.0	#176 Be/X-ray	2	
0089.COMP	10	03:42	01:35:49.8	+66:12:43	600	91	2.0	#176 Be/X-ray	2	
0090.IGRJ01583p6713	1201	03:43	01:58:18.2	+67:13:26	600	91	2.0	#176 Be/X-ray	2	
0091.COMP	10	04:04	01:58:18.2	+67:13:26	600	91	2.0	#176 Be/X-ray	2	
0092.LSIp61303	90	04:04	02:40:31.6	+61:13:46	600	91	2.0	#176 Be/X-ray	2	
0093.COMP	10	04:06	02:40:31.6	+61:13:46	600	91	2.0	#176 Be/X-ray	2	
0094.V0332p53	1500	04:09	03:34:59.8	+53:10:24	600	91	2.0	#176 Be/X-ray	2	
0095.COMP	10	04:34	03:34:59.8	+53:10:24	600	91	2.0	#176 Be/X-ray	2	
0096.XPer	4	04:36	03:55:23.0	+31:02:45	600	91	2.0	#176 Be/X-ray	2	
0097.COMP	10	04:37	03:55:23.0	+31:02:45	600	91	2.0	#176 Be/X-ray	2	
0098.RXJ04409p4431	180	04:40	04:41:00.6	+44:31:50	600	91	2.0	#176 Be/X-ray	2	
0099.COMP	10	04:43	04:41:00.6	+44:31:50	600	91	2.0	#176 Be/X-ray	2	
0100.HD19445	15	04:45	03:08:25.6	+26:19:51	600	91	2.0	#56 Spectropho	2	

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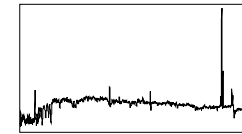
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0101.COMP	10	04:46	03:08:25.6	+26:19:51	600	91	2.0	#56 Spectropho	2	
0102.fastfoc	10	04:57	03:08:25.6	+26:19:51	1200	91	1.1	#56 Spectropho	4	1200 line 1.1 slit
0103.fastfoc	10	04:58	03:08:25.6	+26:19:51	1200	91	1.1	#56 Spectropho	4	
0104.fastfoc	10	04:58	03:08:25.6	+26:19:51	1200	91	1.1	#56 Spectropho	4	
0105.fastfoc	10	04:58	03:08:25.6	+26:19:51	1200	91	1.1	#56 Spectropho	4	
0106.fastfoc	10	04:59	03:08:25.6	+26:19:51	1200	91	1.1	#56 Spectropho	4	
0107.COMP	10	05:04	03:08:25.6	+26:19:51	1200	91	1.1	#56 Spectropho	4	test
0108.COMP	10	05:06	03:08:25.6	+26:19:51	1200	91	1.1	#56 Spectropho	4	test
0109.COMP	10	05:08	03:08:25.6	+26:19:51	1200	91	1.1	#56 Spectropho	4	best tilt=753 foc=1975
0111.HD19445	20	05:12	03:08:25.6	+26:19:51	1200	91	1.1	#56 Spectropho	2	
0112.COMP	10	05:13	03:08:25.6	+26:19:51	1200	91	1.1	#56 Spectropho	2	
0113.J040721	600	05:17	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0114.COMP	15	05:28	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0115.J040721	600	05:28	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0116.COMP	15	05:39	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0117.J040721	600	05:40	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0118.COMP	15	05:50	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0119.J040721	600	05:51	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0120.COMP	15	06:01	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0121.J040721	600	06:02	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	

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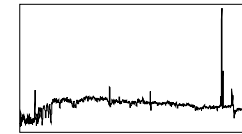
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0122.COMP	15	06:12	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0123.J040721	600	06:13	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0124.COMP	15	06:23	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0125.J040721	600	06:24	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0126.COMP	15	06:34	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0127.J040721	600	06:35	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0128.COMP	15	06:46	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0129.J040721	600	06:46	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0130.COMP	15	06:57	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0131.J040721	600	06:57	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0132.COMP	15	07:08	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0133.J040721	600	07:13	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0134.COMP	15	07:23	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0135.J040721	600	07:24	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0136.COMP	15	07:35	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0137.J040721	600	07:36	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0138.COMP	15	07:46	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0139.J040721	600	07:47	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0140.COMP	15	07:57	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0141.J040721	600	07:58	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	

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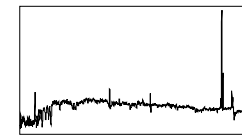
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0142.COMP	15	08:08	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0143.J040721	600	08:09	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0144.COMP	15	08:19	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0145.FLAT	25	08:20	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	flat
0146.FLAT	35	08:21	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	x9 flat
0147-0154.FLAT	35	08:27	04:07:21.8	-12:10:03	1200	39	1.1	#191 2XMM Vari	2	
0155.HD36395.M1V	45	08:30	05:31:27.0	-03:40:38	1200	89	1.1	#191 2XMM Vari	2	
0156.COMP	15	08:31	05:31:27.0	-03:40:38	1200	89	1.1	#191 2XMM Vari	2	
0157.HD50281S.M2V	45	08:33	06:52:18.0	-05:10:25	1200	89	1.1	#191 2XMM Vari	2	
0158.COMP	15	08:34	06:52:18.0	-05:10:25	1200	89	1.1	#191 2XMM Vari	2	
0159.HD45652.K5V	45	08:36	06:29:13.0	+10:56:02	1200	89	1.1	#191 2XMM Vari	2	
0160.COMP	15	08:37	06:29:13.0	+10:56:02	1200	89	1.1	#191 2XMM Vari	2	
0161.HD52071.K2III	45	08:38	07:00:58.2	+27:09:27	1200	89	1.1	#191 2XMM Vari	2	
0162.COMP	15	08:39	07:00:58.2	+27:09:27	1200	89	1.1	#191 2XMM Vari	2	
0163.bhvs036	1140	08:45	07:10:11.4	+30:30:42	600	89	2.0	#182 Runaway B	4	600 line 445 tilt 2 slit foc=1900
0164.COMP	10	09:04	07:10:11.4	+30:30:42	600	89	2.0	#182 Runaway B	4	
0165.bcand364	780	09:12	07:50:55.2	+47:28:23	600	89	2.0	#182 Runaway B	4	
0166.COMP	10	09:25	07:50:55.2	+47:28:23	600	89	2.0	#182 Runaway B	4	
0167.bcand364	780	09:25	07:50:55.2	+47:28:23	600	89	2.0	#182 Runaway B	4	
0168.COMP	10	09:39	07:50:55.2	+47:28:23	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
0169.bcand371	510	09:40	07:57:12.9	+51:29:38	600	89	2.0	#182 Runaway B	4	
0170.COMP	10	09:48	07:57:12.9	+51:29:38	600	89	2.0	#182 Runaway B	4	
0171.bcand371	510	09:49	07:57:12.9	+51:29:38	600	89	2.0	#182 Runaway B	4	
0172.COMP	10	09:58	07:57:12.9	+51:29:38	600	89	2.0	#182 Runaway B	4	
0173.bhvs035	1140	10:12	06:27:09.5	+63:58:15	600	89	2.0	#182 Runaway B	4	
0174.COMP	10	10:31	06:27:09.5	+63:58:15	600	89	2.0	#182 Runaway B	4	
0175.bhvs037	1260	10:33	07:46:39.5	+41:30:51	600	89	2.0	#182 Runaway B	4	
0176.COMP	10	10:55	07:46:39.5	+41:30:51	600	89	2.0	#182 Runaway B	4	
0177.bhvs040	960	10:56	08:24:02.0	+49:41:08	600	89	2.0	#182 Runaway B	4	
0178.COMP	10	11:12	08:24:02.0	+49:41:08	600	89	2.0	#182 Runaway B	4	
0179.bhvs043	1080	11:14	08:49:11.0	+32:04:39	600	89	2.0	#182 Runaway B	4	
0180.COMP	10	11:32	08:49:11.0	+32:04:39	600	89	2.0	#182 Runaway B	4	
0181.bcand485	690	11:33	10:10:18.8	+30:20:28	600	89	2.0	#182 Runaway B	4	
0182.COMP	10	11:45	10:10:18.8	+30:20:28	600	89	2.0	#182 Runaway B	4	
0183.bcand485	690	11:45	10:10:18.8	+30:20:28	600	89	2.0	#182 Runaway B	4	
0184.COMP	10	11:58	10:10:18.8	+30:20:28	600	89	2.0	#182 Runaway B	4	
0185.bhvs054	1200	12:00	10:11:50.8	+17:18:35	600	89	2.0	#182 Runaway B	4	
0186.COMP	10	12:20	10:11:50.8	+17:18:35	600	89	2.0	#182 Runaway B	4	
0187.bhvs057	1200	12:22	10:51:50.1	+19:35:15	600	89	2.0	#182 Runaway B	4	
0188.COMP	10	12:43	10:51:50.1	+19:35:15	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
0189.bcand563	510	12:48	11:50:06.6	+36:00:18	600	89	2.0	#182 Runaway B	4	
0190.COMP	10	12:57	11:50:06.6	+36:00:18	600	89	2.0	#182 Runaway B	4	
0191.bcand563	540	12:57	11:50:06.6	+36:00:18	600	89	2.0	#182 Runaway B	4	
0192.COMP	10	13:06	11:50:06.6	+36:00:18	600	89	2.0	#182 Runaway B	4	
0193.kinman32	180	13:08	12:01:36.4	+31:54:12	600	89	2.0	#182 Runaway B	4	
0194.COMP	10	13:11	12:01:36.4	+31:54:12	600	89	2.0	#182 Runaway B	4	
0195.kinman29	570	13:13	08:50:39.5	+43:40:03	600	89	2.0	#182 Runaway B	4	
0196.COMP	10	13:22	08:50:39.5	+43:40:03	600	89	2.0	#182 Runaway B	4	
0197.Feige34	180	13:24	10:39:36.7	+43:06:09	600	89	2.0	#56 Spectropho	4	
0198.COMP	10	13:27	10:39:36.7	+43:06:09	600	89	2.0	#56 Spectropho	4	
0199.BIAS	0	13:28	10:39:36.7	+43:06:09	600	89	2.0	#182 Runaway B	4	x10
0200-0208.BIAS	0	13:29	10:39:36.7	+43:06:09	600	89	2.0	#182 Runaway B	4	
0209.FLAT	12	13:29	10:39:36.7	+43:06:09	600	89	2.0	#182 Runaway B	4	x11
0210-0219.FLAT	12	13:33	10:39:36.7	+43:06:09	600	89	2.0	#182 Runaway B	4	
0221.BIAS	0	13:49	12:09:46.9	+31:34:04	600	89	2.0	#182 Runaway B	2	x20
0222-0240.BIAS	0	13:52	12:09:46.9	+31:34:04	600	89	2.0	#182 Runaway B	2	
0241-0250.DARK	900	16:11	12:09:46.9	+31:34:04	600	89	2.0	#182 Runaway B	4	
0251-0260.DARK	900	18:44	12:09:46.9	+31:34:04	600	89	2.0	#182 Runaway B	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	00:04	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	2	wavelength test
0002.COMP	5	00:08	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	2	
0003.fastfoc	5	00:11	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	4	x7 foc=1830
0004.fastfoc	5	00:11	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	4	
0005.fastfoc	5	00:11	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	4	
0006.fastfoc	5	00:12	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	4	
0007.fastfoc	5	00:12	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	4	
0008.fastfoc	5	00:12	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	4	
0009.fastfoc	5	00:13	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	4	
0010.BIAS	0	00:17	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	4	x10
0011-0019.BIAS	0	00:18	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	4	
0020.BIAS	0	00:21	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	2	x10
0021-0029.BIAS	0	00:23	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	2	
0030.FLAT	7	00:23	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	2	x15
0031-0044.FLAT	7	00:28	12:09:46.9	+31:34:04	300	90	3.0	#0 Calibration	2	
0045.PUVu1	1	01:08	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0046.PUVu1	10	01:08	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0047.PUVu1	60	01:08	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0048.COMP	10	01:10	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0049.BDp174708	75	01:12	22:11:31.4	+18:05:34	300	50	3.0	#56 Spectropho	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0050.COMP	10	01:14	22:11:31.4	+18:05:34	300	50	3.0	#56 Spectropho	2	
0051.BDp284211	90	01:16	21:51:11.0	+28:51:50	300	75	3.0	#56 Spectropho	2	
0052.COMP	10	01:18	21:51:11.0	+28:51:50	300	75	3.0	#56 Spectropho	2	
0053.IPHAS_W3831	360	01:23	21:36:13.5	+58:19:23	300	90	3.0	#157 IPHAS	2	
0054.COMP	10	01:29	21:36:13.5	+58:19:23	300	90	3.0	#157 IPHAS	2	
0055.IPHAS_W3831	300	01:30	21:36:13.5	+58:19:23	300	90	3.0	#157 IPHAS	2	
0056.COMP	10	01:35	21:36:13.5	+58:19:23	300	90	3.0	#157 IPHAS	2	
0057.IPHAS_W3833	660	01:37	21:36:54.3	+51:48:06	300	90	3.0	#157 IPHAS	2	
0058.COMP	10	01:48	21:36:54.3	+51:48:06	300	90	3.0	#157 IPHAS	2	
0059.IPHAS_W3835	690	01:50	21:37:05.6	+55:29:13	300	90	3.0	#157 IPHAS	2	
0060.COMP	10	02:02	21:37:05.6	+55:29:13	300	90	3.0	#157 IPHAS	2	
0061.IPHAS_W3839	1200	02:03	21:37:45.7	+56:53:23	300	90	3.0	#157 IPHAS	2	
0062.COMP	10	02:23	21:37:45.7	+56:53:23	300	90	3.0	#157 IPHAS	2	
0063.sn20091f	1800	02:28	02:01:39.6	+15:19:58	300	90	3.0	#2 SN Observat	2	
0064.COMP	10	02:58	02:01:39.6	+15:19:58	300	90	3.0	#2 SN Observat	2	
0065.IPHAS_W4600	630	03:01	23:09:00.0	+60:57:28	300	90	3.0	#157 IPHAS	2	
0066.COMP	10	03:12	23:09:00.0	+60:57:28	300	90	3.0	#157 IPHAS	2	
0067.IPHAS_W4610	630	03:13	23:11:22.2	+59:24:11	300	90	3.0	#157 IPHAS	2	
0068.COMP	10	03:24	23:11:22.2	+59:24:11	300	90	3.0	#157 IPHAS	2	
0069.fastfoc	10	03:29	02:00:00.0	+30:00:00	1200	90	1.1	#157 IPHAS	4	x6 foc=1985

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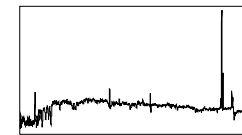
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.fastfoc	10	03:29	02:00:00.0	+30:00:00	1200	90	1.1	#157 IPHAS	4	
0071.fastfoc	10	03:30	02:00:00.0	+30:00:00	1200	90	1.1	#157 IPHAS	4	
0072.fastfoc	10	03:30	02:00:00.0	+30:00:00	1200	90	1.1	#157 IPHAS	4	
0073.fastfoc	10	03:31	02:00:00.0	+30:00:00	1200	90	1.1	#157 IPHAS	4	
0074.fastfoc	10	03:31	02:00:00.0	+30:00:00	1200	90	1.1	#157 IPHAS	4	
0076.HD19445	30	03:36	03:08:25.6	+26:19:51	1200	90	1.1	#56 Spectropho	2	
0077.COMP	10	03:37	03:08:25.6	+26:19:51	1200	90	1.1	#56 Spectropho	2	
0078.J040721	720	03:40	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0079.COMP	15	03:53	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0080.J040721	660	03:53	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0081.COMP	15	04:05	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0082.J040721	600	04:05	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0083.COMP	15	04:16	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0084.J040721	600	04:17	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0085.COMP	15	04:27	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0086.J040721	660	04:28	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0087.COMP	15	04:39	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0088.J040721	660	04:40	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0089.COMP	15	04:51	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0090.J040721	660	04:53	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.COMP	15	05:04	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0092.J040721	660	05:05	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0093.COMP	15	05:16	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0094.J040721	600	05:17	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0095.COMP	15	05:27	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0096.J040721	600	05:28	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0097.COMP	15	05:39	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0098.J040721	600	05:39	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0099.COMP	15	05:49	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0100.J040721	600	05:50	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0101.COMP	15	06:01	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0102.J040721	600	06:01	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0103.COMP	15	06:12	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0104.J040721	600	06:12	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0105.COMP	15	06:23	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0106.J040721	600	06:23	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0107.COMP	15	06:34	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0108.J040721	600	06:35	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0109.COMP	15	06:46	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0110.J040721	600	06:46	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0111.COMP	15	06:57	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0112.J040721	600	06:57	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0113.COMP	15	07:09	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0114.J040721	600	07:10	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0115.COMP	15	07:20	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0116.J040721	600	07:21	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0117.COMP	15	07:32	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0118.J040721	600	07:32	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0119.COMP	15	07:43	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0120.J040721	600	07:43	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0121.COMP	15	07:54	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0122.J040721	600	07:54	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0123.COMP	15	08:05	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0124.FLAT	40	08:05	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	x10
0125-0133.FLAT	40	08:13	04:07:21.8	-12:10:03	1200	38	1.1	#191 2XMM Vari	2	
0134.HD36395.M1V	45	08:16	05:31:27.0	-03:40:38	1200	31	1.1	#191 2XMM Vari	2	
0135.COMP	15	08:17	05:31:27.0	-03:40:38	1200	31	1.1	#191 2XMM Vari	2	
0136.HD50281S.M2V	60	08:19	06:52:18.0	-05:10:25	1200	31	1.1	#191 2XMM Vari	2	
0137.COMP	15	08:20	06:52:18.0	-05:10:25	1200	31	1.1	#191 2XMM Vari	2	
0138.HD45652.K5V	45	08:22	06:29:13.0	+10:56:02	1200	31	1.1	#191 2XMM Vari	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0139.COMP	15	08:23	06:29:13.0	+10:56:02	1200	31	1.1	#191 2XMM Vari	2	
0140.HD52071.K2III	60	08:25	07:00:58.2	+27:09:27	1200	90	1.1	#191 2XMM Vari	2	
0141.COMP	15	08:26	07:00:58.2	+27:09:27	1200	90	1.1	#191 2XMM Vari	2	
0142.fastfoc	7	08:31	07:00:58.2	+27:09:27	600	90	1.5	#191 2XMM Vari	4	x7 foc=1855
0143.fastfoc	7	08:31	07:00:58.2	+27:09:27	600	90	1.5	#191 2XMM Vari	4	
0144.fastfoc	7	08:31	07:00:58.2	+27:09:27	600	90	1.5	#191 2XMM Vari	4	
0145.fastfoc	7	08:32	07:00:58.2	+27:09:27	600	90	1.5	#191 2XMM Vari	4	
0146.fastfoc	7	08:32	07:00:58.2	+27:09:27	600	90	1.5	#191 2XMM Vari	4	
0147.fastfoc	7	08:32	07:00:58.2	+27:09:27	600	90	1.5	#191 2XMM Vari	4	
0148.fastfoc	7	08:33	07:00:58.2	+27:09:27	600	90	1.5	#191 2XMM Vari	4	
0149.pg0834p501	780	08:36	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0150.COMP	10	08:49	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0151.pg0834p501	900	08:50	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0152.COMP	10	09:05	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0153.pg0834p501	900	09:06	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0154.COMP	10	09:21	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0155.pg0834p501	900	09:21	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0156.COMP	10	09:37	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0157.pg0834p501	900	09:37	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0158.COMP	10	09:53	08:37:37.3	+49:52:29	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
0159.pg0834p501	900	09:53	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0160.COMP	10	10:08	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0161.pg0834p501	900	10:09	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0162.COMP	10	10:24	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0163.pg0834p501	900	10:25	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0164.COMP	10	10:40	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0165.pg0834p501	900	10:41	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0166.COMP	10	10:56	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0167.pg0834p501	900	10:57	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0168.COMP	10	11:12	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0169.pg0834p501	900	11:13	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0170.COMP	10	11:28	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0171.pg0834p501	900	11:29	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0172.COMP	10	11:44	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0173.pg0834p501	900	11:44	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0174.COMP	10	12:00	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0175.pg0834p501	900	12:00	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0176.COMP	10	12:16	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0177.pg0834p501	900	12:16	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0178.COMP	10	12:31	08:37:37.3	+49:52:29	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
0179.pg0834p501	900	12:32	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0180.COMP	10	12:47	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0181.pg0834p501	900	12:48	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0182.COMP	10	13:03	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0183.FLAT	15	13:04	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	x10
0184-0192.FLAT	15	13:07	08:37:37.3	+49:52:29	600	90	1.5	#178 Extremely	4	
0193.Feige34	150	13:09	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0194.COMP	10	13:12	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0195.COMP	5	13:15	11:45:00.0	+29:00:00	300	90	5.0	#56 Spectropho	4	test
0196.HD84937	20	13:18	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	2	5
0197.HD84937	20	13:19	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	2	
0198.HD84937	20	13:19	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	2	
0199.HD84937	20	13:20	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	2	
0201.COMP	5	13:21	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	2	
0203.FLAT	4	13:23	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	2	x10
0204-0212.FLAT	4	13:25	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	2	
0213.BIAS	0	13:26	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	2	x10
0214-0222.BIAS	0	13:27	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	2	
0223.BIAS	0	13:38	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	4	x10
0224-0232.BIAS	0	13:39	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	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>
0233-0242.DARK	900	16:00	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	4	
0243-0252.DARK	900	18:33	09:48:56.1	+13:44:39	300	52	5.0	#56 Spectropho	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.fastfoc	7	23:28	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	4	x7 foc=1830
0002.fastfoc	7	23:28	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	4	
0003.fastfoc	7	23:29	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	4	
0004.fastfoc	7	23:29	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	4	
0005.fastfoc	7	23:29	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	4	
0006.fastfoc	7	23:30	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	4	
0007.fastfoc	7	23:30	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	4	
0008.BIAS	0	23:41	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	4	x10
0009-0017.BIAS	0	23:42	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	4	
0018.BIAS	0	23:48	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	x12
0019-0029.BIAS	0	23:50	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0030.FLAT	7	23:53	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	x10
0031-0039.FLAT	7	23:55	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0040.BDp174708	90	01:26	22:11:31.4	+18:05:34	300	54	3.0	#56 Spectropho	2	
0041.COMP	10	01:28	22:11:31.4	+18:05:34	300	54	3.0	#56 Spectropho	2	
0042.BDp284211	120	01:29	21:51:11.0	+28:51:50	300	76	3.0	#56 Spectropho	2	
0043.COMP	10	01:32	21:51:11.0	+28:51:50	300	76	3.0	#56 Spectropho	2	
0044.IPHAS_W4209	720	01:38	22:15:57.5	+58:09:36	300	89	3.0	#157 IPHAS	2	
0045.COMP	10	01:50	22:15:57.5	+58:09:36	300	89	3.0	#157 IPHAS	2	
0046.IPHAS_W4214	810	01:53	22:16:02.8	+53:22:36	300	89	3.0	#157 IPHAS	2	

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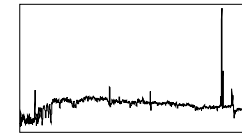
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0047.COMP	10	02:06	22:16:02.8	+53:22:36	300	89	3.0	#157 IPHAS	2	
0048.IPHAS_W4225	1080	02:07	22:16:32.2	+57:28:10	300	89	3.0	#157 IPHAS	2	clouds getting thicker
0049.COMP	10	02:26	22:16:32.2	+57:28:10	300	89	3.0	#157 IPHAS	2	
0050.IPHAS_W4225	1140	02:27	22:16:32.2	+57:28:10	300	89	3.0	#157 IPHAS	2	heavy clouds
0051.COMP	10	02:46	22:16:32.2	+57:28:10	300	89	3.0	#157 IPHAS	2	
0052.cvso-50662	900	05:07	05:36:25.9	+02:07:12	300	89	3.0	#112 Orion PMS	2	observing through clouds
0053.COMP	10	05:23	05:36:25.9	+02:07:12	300	89	3.0	#112 Orion PMS	2	
0054.cvso-50735	1004	05:29	05:36:28.7	+02:13:56	300	89	3.0	#112 Orion PMS	2	
0055.COMP	10	05:46	05:36:28.7	+02:13:56	300	89	3.0	#112 Orion PMS	2	
0056.cvso-51188	900	07:04	05:36:50.6	+02:08:16	300	89	3.0	#112 Orion PMS	2	
0057.COMP	10	07:19	05:36:50.6	+02:08:16	300	89	3.0	#112 Orion PMS	2	
0060.cvso-62566	1200	07:45	05:37:46.9	+02:01:59	300	89	3.0	#112 Orion PMS	2	
0061.COMP	10	08:06	05:37:46.9	+02:01:59	300	89	3.0	#112 Orion PMS	2	
0062.cvso-53467	600	08:08	05:38:36.7	+02:10:03	300	89	3.0	#112 Orion PMS	2	
0063.COMP	10	08:19	05:38:36.7	+02:10:03	300	89	3.0	#112 Orion PMS	2	
0064.cvso-64653	1200	08:19	05:39:26.6	+02:06:11	300	89	3.0	#112 Orion PMS	2	
0065.COMP	10	08:40	05:39:26.6	+02:06:11	300	89	3.0	#112 Orion PMS	2	
0067.cvso-58602	644	09:00	05:42:33.0	+02:08:41	300	89	3.0	#112 Orion PMS	2	
0068.COMP	10	09:11	05:42:33.0	+02:08:41	300	89	3.0	#112 Orion PMS	2	
0069.cvso-54790	600	09:12	05:39:39.7	+02:11:31	300	89	3.0	#112 Orion PMS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.COMP	10	09:22	05:39:39.7	+02:11:31	300	89	3.0	#112 Orion PMS	2	
0071.cvso-56048	480	09:23	05:40:39.5	+02:08:51	300	89	3.0	#112 Orion PMS	2	
0072.COMP	10	09:32	05:40:39.5	+02:08:51	300	89	3.0	#112 Orion PMS	2	
0073.cvso-56703	720	09:33	05:41:07.0	+02:10:51	300	89	3.0	#112 Orion PMS	2	
0074.COMP	10	09:45	05:41:07.0	+02:10:51	300	89	3.0	#112 Orion PMS	2	
0075.cvso-55410	600	09:46	05:40:08.4	+02:06:38	300	89	3.0	#112 Orion PMS	2	
0076.COMP	10	09:56	05:40:08.4	+02:06:38	300	89	3.0	#112 Orion PMS	2	
0077.C081849.0+382714	900	09:59	08:18:49.0	+38:27:15	300	89	3.0	#188 Dwarf C S	2	
0078.COMP	10	10:15	08:18:49.0	+38:27:15	300	89	3.0	#188 Dwarf C S	2	
0079.C081721.6+402959	900	10:16	08:17:21.6	+40:29:59	300	89	3.0	#188 Dwarf C S	2	
0080.COMP	10	10:31	08:17:21.6	+40:29:59	300	89	3.0	#188 Dwarf C S	2	
0081.C082907.0+513517	660	10:33	08:29:07.1	+51:35:18	300	89	3.0	#188 Dwarf C S	2	
0082.COMP	10	10:45	08:29:07.1	+51:35:18	300	89	3.0	#188 Dwarf C S	2	
0083.C082907.0+513517	660	10:46	08:29:07.1	+51:35:18	300	89	3.0	#188 Dwarf C S	2	
0084.COMP	10	10:57	08:29:07.1	+51:35:18	300	89	3.0	#188 Dwarf C S	2	
0085.C083016.8+404152	1020	10:59	08:30:16.9	+40:41:53	300	89	3.0	#188 Dwarf C S	2	
0086.COMP	10	11:16	08:30:16.9	+40:41:53	300	89	3.0	#188 Dwarf C S	2	
0087.C082950.8+115920	1500	11:20	08:29:50.8	+11:59:20	300	89	3.0	#188 Dwarf C S	2	
0088.COMP	10	11:45	08:29:50.8	+11:59:20	300	89	3.0	#188 Dwarf C S	2	
0089.C082950.8+115920	1500	11:46	08:29:50.8	+11:59:20	300	89	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
0090.COMP	10	12:11	08:29:50.8	+11:59:20	300	89	3.0	#188 Dwarf C S	2	
0091.C094055.5+282509	900	12:12	09:40:55.5	+28:25:10	300	89	3.0	#188 Dwarf C S	2	
0092.COMP	10	12:28	09:40:55.5	+28:25:10	300	89	3.0	#188 Dwarf C S	2	
0093.C094222.8+082124	900	12:29	09:42:22.8	+08:21:24	300	89	3.0	#188 Dwarf C S	2	
0094.COMP	10	12:45	09:42:22.8	+08:21:24	300	89	3.0	#188 Dwarf C S	2	
0095.C094222.8+082124	1200	12:45	09:42:22.8	+08:21:24	300	89	3.0	#188 Dwarf C S	2	
0096.COMP	10	13:06	09:42:22.8	+08:21:24	300	89	3.0	#188 Dwarf C S	2	
0097.HD84937	20	13:07	09:48:56.1	+13:44:39	300	52	3.0	#56 Spectropho	2	
0098.COMP	10	13:08	09:48:56.1	+13:44:39	300	52	3.0	#56 Spectropho	2	
0099.Feige34	180	13:10	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0100.COMP	10	13:13	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0101.N3377	180	13:15	10:47:42.4	+13:59:08	300	89	3.0	#57 Velocity S	2	
0102.COMP	10	13:18	10:47:42.4	+13:59:08	300	89	3.0	#57 Velocity S	2	
0103-0112.BIAS	0	13:20	10:47:42.4	+13:59:08	300	89	3.0	#56 Spectropho	2	
0113-0127.FLAT	7	13:26	10:47:42.4	+13:59:08	300	89	3.0	#56 Spectropho	2	
0128-0137.DARK	900	15:51	10:47:42.4	+13:59:08	300	89	3.0	#56 Spectropho	2	
0138-0139.BIAS	0	18:45	17:16:44.4	+31:31:11	300	89	3.0	#56 Spectropho	2	
0140.FLAT	7	18:49	17:16:44.4	+31:31:11	300	89	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>
0002.BIAS	0	23:01	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2x10	
0003-0011.BIAS	0	23:03	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2	
0012.FLAT	7	23:03	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2x15	
0013-0026.FLAT	7	23:08	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2	
0027-0036.DARK	900	14:52	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2	

UT Date 2009-12-23 Observers W BrownColl. Focus 1310 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.BIAS	0	21:21	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2	x11
0002-0011.BIAS	0	21:24	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2	
0012.FLAT	7	21:24	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2	x15
0013-0026.FLAT	7	21:29	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2	
0027.COMP	10	21:48	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2	
0028.DARK	900	01:57	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2	x10 snowing
0029-0037.DARK	900	04:15	19:13:10.9	+31:29:22	300	89	3.0	#56 Spectropho	2	