UT Date 2007-12-02 Observers M CalkinsColl. Focus 1320 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>
0001-0040.DARK	900	10:22	01:16:05.0	+31:27:49	300	90	3.0	#2 SN Observat	4	

UT Date 2007-12-03 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

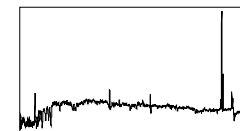
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	00:40	01:16:05.0	+31:27:49	300	90	3.0	#2 SN Observat	2	
0006-0015.BIAS	0	00:57	01:16:05.0	+31:27:49	300	90	3.0	#2 SN Observat	2	
0016-0035.FLAT	25	01:12	01:16:05.0	+31:27:49	300	90	3.0	#2 SN Observat	2	
0036.BDp284211	60	01:31	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	
0037.COMP	12	01:32	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	
0038.BDp284211	60	01:34	21:51:11.1	+28:51:53	300	74	3.0	#56 Spectropho	2	
0039.COMP	12	01:35	21:51:11.1	+28:51:53	300	74	3.0	#56 Spectropho	2	
0040.BDp174708	22	01:37	22:11:31.5	+18:05:34	300	36	3.0	#56 Spectropho	2	
0041.BDp174708	22	01:38	22:11:31.5	+18:05:34	300	36	3.0	#56 Spectropho	2	
0042.BDp174708	22	01:38	22:11:31.5	+18:05:34	300	36	3.0	#56 Spectropho	2	
0043.COMP	12	01:39	22:11:31.5	+18:05:34	300	36	3.0	#56 Spectropho	2	
0044.BFCyg	1	01:43	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0045.BFCyg	8	01:44	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0046.BFCyg	60	01:44	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0047.BFCyg	5	01:46	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	terrible seeing!
0048.COMP	12	01:47	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0049.AS338	7	01:50	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0050.AS338	30	01:50	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0051.AS338	150	01:51	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0052.COMP	12	01:55	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	

UT Date 2007-12-03 Observers M CalkinsColl. Focus 1320 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>
0053.CHCyg	1	01:58	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0054.CHCyg	5	01:58	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0055.CHCyg	30	01:58	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0056.COMP	12	01:59	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0057.AS360	60	02:02	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0058.AS360	300	02:03	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0059.COMP	12	02:09	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0060.CICyg	2	02:11	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0061.CICyg	20	02:11	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0062.CICyg	60	02:12	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0063.COMP	12	02:14	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0064.PUVul	1	02:15	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0065.PUVul	10	02:16	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0066.PUVul	6	02:16	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0067.PUVul	60	02:17	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0068.COMP	12	02:19	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0069.ZAnd	1	02:21	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0070.ZAnd	5	02:21	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0071.ZAnd	30	02:22	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0072.COMP	12	02:23	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	

UT Date 2007-12-03 Observers M CalkinsColl. Focus 1320 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>
0073.RAqr	0	02:26	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0074.RAqr	0	02:27	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0075.RAqr	1	02:27	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0076.RAqr	5	02:28	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0077.RAqr	10	02:28	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0078.COMP	12	02:32	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0079.sn2007qe	1800	02:38	23:54:13.0	+27:24:33	300	11	3.0	#2 SN Observat	2	
0080.COMP	12	03:09	23:54:13.0	+27:24:33	300	11	3.0	#2 SN Observat	2	
0081.sn2007ru	1800	03:15	23:07:23.1	+43:35:34	300	110	3.0	#2 SN Observat	2	
0082.COMP	12	03:45	23:07:23.1	+43:35:34	300	110	3.0	#2 SN Observat	2	
0083.M31	70	03:47	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	
0084.COMP	12	03:48	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	
0085.EGAnd	1	03:49	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0086.EGAnd	5	03:50	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0087.EGAnd	10	03:50	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	seeing highly variable
0088.COMP	12	03:51	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0089.AXPer	4	03:53	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0090.AXPer	30	03:53	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0091.AXPer	90	03:54	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0092.COMP	12	03:56	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	

UT Date 2007-12-03 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.fmf088	300	04:01	01:58:35.8	+36:46:09	300	30	3.0	#171f Local Un	2	
0094.COMP	12	04:10	01:58:35.8	+36:46:09	300	30	3.0	#171f Local Un	2	
0095.fmf089	360	04:12	01:59:08.9	+36:49:12	300	90	3.0	#171f Local Un	2	
0096.COMP	12	04:19	01:59:08.9	+36:49:12	300	90	3.0	#171f Local Un	2	
0097.fmf090	480	04:20	01:59:14.7	+35:18:30	300	90	3.0	#171f Local Un	2	
0098.COMP	12	04:29	01:59:14.7	+35:18:30	300	90	3.0	#171f Local Un	2	
0099.fmf091	300	04:30	01:59:23.7	+36:16:22	300	90	3.0	#171f Local Un	2	
0100.COMP	12	04:36	01:59:23.7	+36:16:22	300	90	3.0	#171f Local Un	2	
0101.fmf092	600	04:38	02:00:04.7	+35:15:17	300	90	3.0	#171f Local Un	2	
0102.COMP	12	04:49	02:00:04.7	+35:15:17	300	90	3.0	#171f Local Un	2	
0103.fmf093	780	04:50	02:00:35.7	+35:25:40	300	90	3.0	#171f Local Un	2	
0104.COMP	12	05:04	02:00:35.7	+35:25:40	300	90	3.0	#171f Local Un	2	
0105.fmf094	240	05:05	02:01:09.0	+35:38:18	300	97	3.0	#171f Local Un	2	
0106.COMP	12	05:09	02:01:09.0	+35:38:18	300	97	3.0	#171f Local Un	2	
0107.fmf097	1320	05:11	02:44:05.7	+36:24:14	300	100	3.0	#171f Local Un	2	
0108.COMP	12	05:35	02:44:05.7	+36:24:14	300	100	3.0	#171f Local Un	2	
0109.fmf098	960	05:36	02:44:12.5	+37:23:23	300	100	3.0	#171f Local Un	2	
0110.COMP	12	05:53	02:44:12.5	+37:23:23	300	100	3.0	#171f Local Un	2	
0111.fmf099	780	05:54	02:44:15.1	+37:09:23	300	90	3.0	#171f Local Un	2	
0112.COMP	12	06:08	02:44:15.1	+37:09:23	300	90	3.0	#171f Local Un	2	

UT Date 2007-12-03 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0113.fmb100	1320	06:10	02:44:19.6	+37:08:18	300	90	3.0	#171f Local Un	2	
0114.COMP	12	06:32	02:44:19.6	+37:08:18	300	90	3.0	#171f Local Un	2	
0115.GITau	240	06:35	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0116.COMP	12	06:39	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0117.GKTau	240	06:40	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0118.COMP	12	06:45	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0119.fmfs120	480	06:48	03:39:12.0	-02:51:53	300	60	3.0	#171 Local Uni	2	
0120.COMP	12	07:00	03:39:12.0	-02:51:53	300	60	3.0	#171 Local Uni	2	
0121.fmfs121	300	07:02	03:39:16.0	-02:07:13	300	90	3.0	#171 Local Uni	2	
0122.COMP	12	07:07	03:39:16.0	-02:07:13	300	90	3.0	#171 Local Uni	2	
0123.fmfs122	1200	07:09	03:39:25.9	-02:01:34	300	90	3.0	#171 Local Uni	2	
0124.COMP	12	07:30	03:39:25.9	-02:01:34	300	90	3.0	#171 Local Uni	2	
0125.hxPer342	300	07:46	02:17:45.4	+56:58:20	300	90	3.0	#170 h & chi P	2	
0126.COMP	12	07:52	02:17:45.4	+56:58:20	300	90	3.0	#170 h & chi P	2	
0127.hxPer343	360	07:53	02:20:57.9	+56:51:34	300	90	3.0	#170 h & chi P	2	row=77
0128.COMP	12	07:59	02:20:57.9	+56:51:34	300	90	3.0	#170 h & chi P	2	
0129.hxPer344	300	08:02	02:22:18.1	+57:28:15	300	90	3.0	#170 h & chi P	2	
0130.COMP	12	08:07	02:22:18.1	+57:28:15	300	90	3.0	#170 h & chi P	2	
0131.hxPer345	300	08:08	02:22:15.3	+57:07:24	300	80	3.0	#170 h & chi P	2	row=79
0132.COMP	12	08:14	02:22:15.3	+57:07:24	300	80	3.0	#170 h & chi P	2	

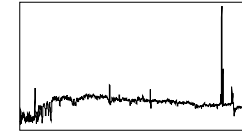
UT Date 2007-12-03 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

<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>
0133.hxPer346	420	08:16	02:24:09.6	+57:13:02	300	90	3.0	#170 h & chi P	2	
0134.COMP	12	08:24	02:24:09.6	+57:13:02	300	90	3.0	#170 h & chi P	2	
0135.hxPer347	300	08:25	02:21:40.8	+57:31:11	300	90	3.0	#170 h & chi P	2	row=78
0136.COMP	12	08:30	02:21:40.8	+57:31:11	300	90	3.0	#170 h & chi P	2	
0137.BGGem	600	08:35	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0138.COMP	12	09:16	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0139.IPHAS_B425	1500	09:18	05:39:41.5	+30:52:08	300	60	3.0	#157 IPHAS	2	
0140.COMP	12	09:44	05:39:41.5	+30:52:08	300	60	3.0	#157 IPHAS	2	
0141.IPHAS_B427	1500	09:47	05:40:17.6	+30:12:37	300	90	3.0	#157 IPHAS	2	
0142.COMP	12	10:12	05:40:17.6	+30:12:37	300	90	3.0	#157 IPHAS	2	
0143.BXMon	20	10:15	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0144.BXMon	180	10:15	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0145.COMP	12	10:19	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0146.SS129	300	10:31	07:32:45.0	-26:49:16	300	50	3.0	#12 Symbiotic	2	
0147.COMP	12	10:37	07:32:45.0	-26:49:16	300	50	3.0	#12 Symbiotic	2	
0148.fmfs216	1320	10:40	09:16:18.0	-11:48:40	300	90	3.0	#171 Local Uni	2	
0149.COMP	12	11:04	09:16:18.0	-11:48:40	300	90	3.0	#171 Local Uni	2	
0150.fmfs217	1080	11:06	09:16:27.3	-12:11:23	300	90	3.0	#171 Local Uni	2	
0151.COMP	12	11:24	09:16:27.3	-12:11:23	300	90	3.0	#171 Local Uni	2	
0152.07413216+5141179	1320	11:48	07:41:32.2	+51:41:18	300	90	3.0	#141 Mapping t	2	

UT Date 2007-12-03 Observers M CalkinsColl. Focus 1320 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>
0153.COMP	12	12:10	07:41:32.2	+51:41:18	300	90	3.0	#141 Mapping t	2	
0154.07485625+0630477	300	12:14	07:48:56.2	+06:30:48	300	100	3.0	#141 Mapping t	2	
0155.COMP	12	12:20	07:48:56.2	+06:30:48	300	100	3.0	#141 Mapping t	2	
0156.N3227	180	12:26	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0157.N3227	180	12:29	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0158.COMP	12	12:33	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0159.sn2007X1	1020	12:37	12:38:03.6	-02:15:40	300	110	3.0	#2 SN Observat	2	
0160.COMP	12	12:55	12:38:03.6	-02:15:40	300	110	3.0	#2 SN Observat	2	
0161.HD84937	20	12:59	09:48:54.9	+13:45:14	300	21	3.0	#56 Spectropho	2	
0162.HD84937	20	12:59	09:48:54.9	+13:45:14	300	21	3.0	#56 Spectropho	2	
0163.COMP	12	13:00	09:48:54.9	+13:45:14	300	21	3.0	#56 Spectropho	2	
0164.HD84937	15	13:01	09:48:54.9	+13:45:14	300	21	3.0	#56 Spectropho	2	
0165.HD84937	15	13:01	09:48:54.9	+13:45:14	300	21	3.0	#56 Spectropho	2	
0166.COMP	12	13:02	09:48:54.9	+13:45:14	300	21	3.0	#56 Spectropho	2	
0168.Feige34	60	13:14	10:39:36.9	+43:06:11	300	11	3.0	#56 Spectropho	2	
0169.COMP	12	13:16	10:39:36.9	+43:06:11	300	11	3.0	#56 Spectropho	2	
0170.Feige34	90	13:16	10:39:36.9	+43:06:11	300	11	3.0	#56 Spectropho	2	
0171.COMP	12	13:18	10:39:36.9	+43:06:11	300	11	3.0	#56 Spectropho	2	
0172-0181.BIAS	0	13:28	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0182-0201.FLAT	25	13:41	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	



UT Date 2007-12-03 Observers M CalkinsColl. Focus 1320 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>
0202-0211.DARK	900	16:03	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	

UT Date 2007-12-04 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:09	21:25:12.8	+31:28:21	300	90	3.0	#56 Spectropho	2	
0011-0025.FLAT	25	00:18	21:25:12.8	+31:28:21	300	90	3.0	#56 Spectropho	2	
0026-0029.sky	3	00:32	22:00:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0030.COMP	10	00:33	22:00:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0031.BDp174708	45	01:00	22:11:31.5	+18:05:34	300	20	3.0	#56 Spectropho	2	poor seeing all night
0032.BDp174708	45	01:02	22:11:31.5	+18:05:34	300	20	3.0	#56 Spectropho	2	
0033.BDp174708	45	01:03	22:11:31.5	+18:05:34	300	20	3.0	#56 Spectropho	2	
0034.COMP	10	01:04	22:11:31.5	+18:05:34	300	20	3.0	#56 Spectropho	2	
0035.BDp284211	120	01:06	21:51:11.1	+28:51:53	300	75	3.0	#56 Spectropho	2	
0036.BDp284211	120	01:09	21:51:11.1	+28:51:53	300	75	3.0	#56 Spectropho	2	
0037.COMP	10	01:11	21:51:11.1	+28:51:53	300	75	3.0	#56 Spectropho	2	
0038.N7331	150	01:13	22:37:04.3	+34:24:58	300	90	3.0	#57 Velocity S	2	
0039.COMP	10	01:16	22:37:04.3	+34:24:58	300	90	3.0	#57 Velocity S	2	
0040.20485285+2503118	720	01:21	20:48:52.8	+25:03:12	300	90	3.0	#141 Mapping t	2	
0041.COMP	10	01:33	20:48:52.8	+25:03:12	300	90	3.0	#141 Mapping t	2	
0042.21324978-2251250	720	01:35	21:32:49.8	-22:51:25	300	90	3.0	#141 Mapping t	2	
0043.COMP	10	01:47	21:32:49.8	-22:51:25	300	90	3.0	#141 Mapping t	2	
0044.20510128-1710242	527	01:49	20:51:01.3	-17:10:24	300	90	3.0	#141 Mapping t	2	
0045.COMP	10	01:59	20:51:01.3	-17:10:24	300	90	3.0	#141 Mapping t	2	
0046.21180762-1551054	360	01:59	21:18:07.6	-15:51:05	300	90	3.0	#141 Mapping t	2	

UT Date 2007-12-04 Observers P BerlindColl. Focus 1320 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>
0047.COMP	10	02:06	21:18:07.6	-15:51:05	300	90	3.0	#141 Mapping t	2	
0048.21013662-1355405	360	02:07	21:01:36.6	-13:55:40	300	90	3.0	#141 Mapping t	2	
0049.COMP	10	02:13	21:01:36.6	-13:55:40	300	90	3.0	#141 Mapping t	2	
0050.21051332-1036170	420	02:15	21:05:13.3	-10:36:17	300	90	3.0	#141 Mapping t	2	
0051.COMP	10	02:22	21:05:13.3	-10:36:17	300	90	3.0	#141 Mapping t	2	
0052.21325734-1022539	300	02:23	21:32:57.3	-10:22:54	300	90	3.0	#141 Mapping t	2	
0053.COMP	10	02:28	21:32:57.3	-10:22:54	300	90	3.0	#141 Mapping t	2	
0054.sn20071e	1500	02:32	23:38:48.4	-06:31:21	300	15	3.0	#2 SN Observat	2	
0055.COMP	10	02:57	23:38:48.4	-06:31:21	300	15	3.0	#2 SN Observat	2	
0056.sn2007qe	1800	03:00	23:54:13.0	+27:24:33	300	65	3.0	#2 SN Observat	2	
0057.COMP	10	03:30	23:54:13.0	+27:24:33	300	65	3.0	#2 SN Observat	2	
0058.fmb473	900	03:32	23:51:51.1	+06:27:18	300	90	3.0	#171f Local Un	2	
0059.COMP	10	03:48	23:51:51.1	+06:27:18	300	90	3.0	#171f Local Un	2	
0060.fmb474	900	03:49	23:51:59.0	+06:01:37	300	90	3.0	#171f Local Un	2	
0061.COMP	10	04:04	23:51:59.0	+06:01:37	300	90	3.0	#171f Local Un	2	
0062.fmb475	357	04:05	23:52:06.5	+05:56:18	300	90	3.0	#171f Local Un	2	
0063.COMP	10	04:12	23:52:06.5	+05:56:18	300	90	3.0	#171f Local Un	2	
0064.fmb476	600	04:13	23:52:15.9	+06:18:23	300	90	3.0	#171f Local Un	2	
0065.COMP	10	04:23	23:52:15.9	+06:18:23	300	90	3.0	#171f Local Un	2	
0066.fmb472	720	04:24	23:51:50.8	+06:06:36	300	90	3.0	#171f Local Un	2	

UT Date 2007-12-04 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	04:36	23:51:50.8	+06:06:36	300	90	3.0	#171f Local Un	2	
0068.fmb471	900	04:37	23:51:50.3	+05:53:58	300	90	3.0	#171f Local Un	2	
0069.COMP	10	04:53	23:51:50.3	+05:53:58	300	90	3.0	#171f Local Un	2	
0070.fmb469	1200	04:55	23:51:48.0	+06:00:03	300	90	3.0	#171f Local Un	2	
0071.COMP	10	05:16	23:51:48.0	+06:00:03	300	90	3.0	#171f Local Un	2	
0072.HD18352	5	05:21	02:59:47.4	+61:17:24	300	0	3.0	#179 OB Stars	2	
0073.COMP	10	05:22	02:59:47.4	+61:17:24	300	0	3.0	#179 OB Stars	2	
0074.kep_w5_187	210	05:23	02:45:49.4	+60:25:48	300	0	3.0	#179 OB Stars	2	
0075.COMP	10	05:26	02:45:49.4	+60:25:48	300	0	3.0	#179 OB Stars	2	
0076.kep_w5_188	210	05:27	02:51:27.4	+60:45:38	300	0	3.0	#179 OB Stars	2	
0077.COMP	10	05:31	02:51:27.4	+60:45:38	300	0	3.0	#179 OB Stars	2	
0078.kep_w5_189	210	05:32	02:52:05.4	+60:38:33	300	0	3.0	#179 OB Stars	2	
0079.COMP	10	05:36	02:52:05.4	+60:38:33	300	0	3.0	#179 OB Stars	2	
0080.kep_w5_190	210	05:36	02:49:16.9	+60:52:31	300	0	3.0	#179 OB Stars	2	
0081.COMP	10	05:40	02:49:16.9	+60:52:31	300	0	3.0	#179 OB Stars	2	
0082.kep_w5_191	210	05:41	02:46:46.2	+60:25:09	300	0	3.0	#179 OB Stars	2	
0083.COMP	10	05:45	02:46:46.2	+60:25:09	300	0	3.0	#179 OB Stars	2	
0084.kep_w5_192	210	05:46	02:48:01.8	+60:47:19	300	0	3.0	#179 OB Stars	2	
0085.COMP	10	05:50	02:48:01.8	+60:47:19	300	0	3.0	#179 OB Stars	2	
0086.kep_w5_193	210	05:51	02:51:41.8	+60:33:02	300	0	3.0	#179 OB Stars	2	

UT Date 2007-12-04 Observers P BerlindColl. Focus 1320 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>
0087.COMP	10	05:55	02:51:41.8	+60:33:02	300	0	3.0	#179 OB Stars	2	
0088.kep_w5_194	210	05:56	02:49:17.9	+60:52:35	300	0	3.0	#179 OB Stars	2	
0089.COMP	10	05:59	02:49:17.9	+60:52:35	300	0	3.0	#179 OB Stars	2	
0090.kep_w5_195	210	06:00	02:51:40.4	+60:34:28	300	0	3.0	#179 OB Stars	2	
0091.COMP	10	06:04	02:51:40.4	+60:34:28	300	0	3.0	#179 OB Stars	2	
0092.kep_w5_196	210	06:05	02:50:51.5	+60:38:32	300	0	3.0	#179 OB Stars	2	
0093.COMP	10	06:09	02:50:51.5	+60:38:32	300	0	3.0	#179 OB Stars	2	
0094.kep_w5_197	210	06:10	02:57:23.6	+60:49:48	300	0	3.0	#179 OB Stars	2	
0095.COMP	10	06:14	02:57:23.6	+60:49:48	300	0	3.0	#179 OB Stars	2	
0096.kep_w5_198	210	06:15	02:55:55.0	+60:46:44	300	0	3.0	#179 OB Stars	2	
0097.COMP	10	06:19	02:55:55.0	+60:46:44	300	0	3.0	#179 OB Stars	2	
0098.kep_w5_199	210	06:20	02:52:06.4	+60:26:57	300	0	3.0	#179 OB Stars	2	
0099.COMP	10	06:23	02:52:06.4	+60:26:57	300	0	3.0	#179 OB Stars	2	
0100.kep_w5_200	210	06:24	02:50:07.0	+60:57:30	300	0	3.0	#179 OB Stars	2	
0101.COMP	10	06:28	02:50:07.0	+60:57:30	300	0	3.0	#179 OB Stars	2	
0102.kep_w5_201	210	06:29	02:51:13.3	+60:24:52	300	0	3.0	#179 OB Stars	2	
0103.COMP	10	06:33	02:51:13.3	+60:24:52	300	0	3.0	#179 OB Stars	2	
0104.HD19445	12	06:37	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0105.HD19445	12	06:37	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0106.HD19445	12	06:38	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	

UT Date 2007-12-04 Observers P BerlindColl. Focus 1320 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>
0107.COMP	10	06:38	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0108.fmf101	900	06:40	02:44:53.4	+36:40:12	300	90	3.0	#171f Local Un	2	
0109.COMP	10	06:55	02:44:53.4	+36:40:12	300	90	3.0	#171f Local Un	2	
0110.fmf102	900	06:56	02:44:57.2	+37:11:52	300	90	3.0	#171f Local Un	2	
0111.COMP	10	07:12	02:44:57.2	+37:11:52	300	90	3.0	#171f Local Un	2	
0112.fmf102	900	07:13	02:44:57.2	+37:11:52	300	90	3.0	#171f Local Un	2	
0113.COMP	10	07:29	02:44:57.2	+37:11:52	300	90	3.0	#171f Local Un	2	
0114.fmf103	900	07:30	02:45:07.4	+36:33:57	300	90	3.0	#171f Local Un	2	
0115.COMP	10	07:45	02:45:07.4	+36:33:57	300	90	3.0	#171f Local Un	2	
0116.fmf104	720	07:46	02:45:08.7	+37:14:20	300	90	3.0	#171f Local Un	2	
0117.COMP	10	07:59	02:45:08.7	+37:14:20	300	90	3.0	#171f Local Un	2	
0118.fmf105	900	08:00	02:45:19.7	+36:32:27	300	90	3.0	#171f Local Un	2	
0119.COMP	10	08:15	02:45:19.7	+36:32:27	300	90	3.0	#171f Local Un	2	
0120.fmf107	900	08:16	02:45:48.2	+36:35:46	300	90	3.0	#171f Local Un	2	
0121.COMP	10	08:31	02:45:48.2	+36:35:46	300	90	3.0	#171f Local Un	2	
0122.fmf135	1200	08:33	03:04:17.7	+35:47:32	300	90	3.0	#171f Local Un	2	
0123.COMP	10	08:53	03:04:17.7	+35:47:32	300	90	3.0	#171 Local Uni	2	
0124.fmf186	360	08:55	04:54:45.9	-18:05:01	300	90	3.0	#171 Local Uni	2	
0125.COMP	10	09:01	04:54:45.9	-18:05:01	300	90	3.0	#171 Local Uni	2	
0126.fmf187	300	09:02	04:55:01.5	-18:13:09	300	90	3.0	#171 Local Uni	2	

UT Date 2007-12-04 Observers P BerlindColl. Focus 1320 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>
0127.COMP	10	09:08	04:55:01.5	-18:13:09	300	90	3.0	#171 Local Uni	2	
0128.fmfs188	900	09:09	04:55:05.4	-17:36:47	300	90	3.0	#171 Local Uni	2	
0129.COMP	10	09:25	04:55:05.4	-17:36:47	300	90	3.0	#171 Local Uni	2	
0130.fmfs189	360	09:25	04:55:05.6	-18:06:16	300	90	3.0	#171 Local Uni	2	
0131.COMP	10	09:32	04:55:05.6	-18:06:16	300	90	3.0	#171 Local Uni	2	
0132.fmfs190	660	09:33	04:55:41.0	-18:22:24	300	90	3.0	#171 Local Uni	2	
0133.COMP	10	09:44	04:55:41.0	-18:22:24	300	90	3.0	#171 Local Uni	2	
0134.fmfs191	300	09:45	04:55:43.3	-18:41:01	300	90	3.0	#171 Local Uni	2	
0135.COMP	10	09:51	04:55:43.3	-18:41:01	300	90	3.0	#171 Local Uni	2	
0136.05164339+4715020	1200	09:57	05:16:43.4	+47:15:02	300	90	3.0	#141 Mapping t	2	
0137.COMP	10	10:18	05:16:43.4	+47:15:02	300	90	3.0	#141 Mapping t	2	
0138.06050566+3425561	1200	10:20	06:05:05.7	+34:25:56	300	95	3.0	#141 Mapping t	2	
0139.COMP	10	10:41	06:05:05.7	+34:25:56	300	95	3.0	#141 Mapping t	2	
0140.05335002+6331579	600	10:44	05:33:50.0	+63:31:58	300	90	3.0	#141 Mapping t	2	
0141.COMP	10	10:54	05:33:50.0	+63:31:58	300	90	3.0	#141 Mapping t	2	
0142.05372572+5113067	330	11:05	05:37:25.7	+51:13:07	300	90	3.0	#141 Mapping t	2	
0143.COMP	10	11:11	05:37:25.7	+51:13:07	300	90	3.0	#141 Mapping t	2	
0144.05373924+5724257	360	11:12	05:37:39.2	+57:24:26	300	90	3.0	#141 Mapping t	2	
0145.COMP	10	11:18	05:37:39.2	+57:24:26	300	90	3.0	#141 Mapping t	2	
0146.05363443+5955195	600	11:19	05:36:34.4	+59:55:19	300	90	3.0	#141 Mapping t	2	

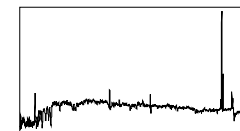
UT Date 2007-12-04 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0147.COMP	10	11:29	05:36:34.4	+59:55:19	300	90	3.0	#141 Mapping t	2	
0148.05353621+6745457	600	11:31	05:35:36.2	+67:45:46	300	90	3.0	#141 Mapping t	2	
0149.COMP	10	11:41	05:35:36.2	+67:45:46	300	90	3.0	#141 Mapping t	2	
0150.06192078+5320544	240	11:43	06:19:20.8	+53:20:54	300	90	3.0	#141 Mapping t	2	
0151.COMP	10	11:48	06:19:20.8	+53:20:54	300	90	3.0	#141 Mapping t	2	
0152.06192619+6317337	720	11:49	06:19:26.2	+63:17:34	300	90	3.0	#141 Mapping t	2	
0153.COMP	10	12:02	06:19:26.2	+63:17:34	300	90	3.0	#141 Mapping t	2	
0154.06200320+4855077	240	12:03	06:20:03.2	+48:55:08	300	90	3.0	#141 Mapping t	2	
0155.COMP	10	12:08	06:20:03.2	+48:55:08	300	90	3.0	#141 Mapping t	2	
0156.06204781+5324291	480	12:09	06:20:47.8	+53:24:29	300	90	3.0	#141 Mapping t	2	
0157.COMP	10	12:17	06:20:47.8	+53:24:29	300	90	3.0	#141 Mapping t	2	
0158.06214715+5256410	330	12:18	06:21:47.2	+52:56:41	300	90	3.0	#141 Mapping t	2	
0159.COMP	10	12:24	06:21:47.2	+52:56:41	300	90	3.0	#141 Mapping t	2	
0160.06214048+5019350	540	12:25	06:21:40.5	+50:19:35	300	90	3.0	#141 Mapping t	2	
0161.COMP	10	12:35	06:21:40.5	+50:19:35	300	90	3.0	#141 Mapping t	2	
0162.sn2007rt	1500	12:37	11:02:43.3	+50:34:59	300	26	3.0	#2 SN Observat	2	corrupted image, gfdi
0163.BIAS	0	13:08	11:02:43.3	+50:34:59	300	26	3.0	#56 Spectropho	2	
0164.COMP	10	13:08	11:02:43.3	+50:34:59	300	26	3.0	#56 Spectropho	2	
0165.sn2007rw	239	13:15	12:38:03.6	-02:15:40	300	90	3.0	#2 SN Observat	2	sky too bright
0166.COMP	10	13:19	12:38:03.6	-02:15:40	300	90	3.0	#2 SN Observat	2	



UT Date 2007-12-04 Observers P BerlindColl. Focus 1320 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>
0167-0176.BIAS	0	13:23	12:38:03.6	-02:15:40	300	90	3.0	#56 Spectropho	2	
0177-0191.FLAT	25	13:32	12:38:03.6	-02:15:40	300	90	3.0	#56 Spectropho	2	
0192-0200.DARK	900	15:43	12:38:03.6	-02:15:40	300	90	3.0	#56 Spectropho	2	

UT Date 2007-12-05 Observers P BerlindColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	23:54	12:38:03.6	-02:15:40	300	90	3.0	#56 Spectropho	2	
0011-0025.FLAT	25	00:03	12:38:03.6	-02:15:40	300	90	3.0	#56 Spectropho	2	
0026-0030.sky	3	00:33	22:00:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0031.COMP	10	00:33	22:00:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0032.COMP	10	01:11	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	
0033.BDp174708	45	01:16	22:11:31.5	+18:05:34	300	30	3.0	#56 Spectropho	2	
0034.BDp174708	45	01:17	22:11:31.5	+18:05:34	300	30	3.0	#56 Spectropho	2	
0035.BDp174708	45	01:17	22:11:31.5	+18:05:34	300	30	3.0	#56 Spectropho	2	
0036.COMP	10	01:19	22:11:31.5	+18:05:34	300	30	3.0	#56 Spectropho	2	
0037.BDp284211	90	01:21	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	
0038.BDp284211	90	01:22	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	
0039.BDp284211	90	01:24	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	
0040.COMP	10	01:26	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	
0041.N7331	150	01:27	22:37:04.3	+34:24:58	300	90	3.0	#57 Velocity S	2	
0042.COMP	10	01:30	22:37:04.3	+34:24:58	300	90	3.0	#57 Velocity S	2	
0043.sn20071e	1200	01:34	23:38:48.4	-06:31:21	300	-10	3.0	#2 SN Observat	2	
0044.COMP	10	01:55	23:38:48.4	-06:31:21	300	-10	3.0	#2 SN Observat	2	
0045.test	5	01:59	00:00:00.0	+30:00:00	600	90	2.0	#2 SN Observat	2	
0046.test	5	02:00	00:00:00.0	+30:00:00	600	90	2.0	#2 SN Observat	2	
0047.test	5	02:02	00:00:00.0	+30:00:00	600	90	2.0	#2 SN Observat	2	

UT Date 2007-12-05 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.test	5	02:04	00:00:00.0	+30:00:00	600	90	2.0	#2 SN Observat	2	
0049.test	5	02:06	00:00:00.0	+30:00:00	600	90	2.0	#2 SN Observat	2	
0050.BDp174708	45	02:10	22:11:31.5	+18:05:34	600	54	2.0	#176 Be/X-ray	2	600-line, 2-sec, tilt 625
0051.BDp174708	45	02:11	22:11:31.5	+18:05:34	600	54	2.0	#176 Be/X-ray	2	
0052.BDp174708	45	02:12	22:11:31.5	+18:05:34	600	54	2.0	#176 Be/X-ray	2	
0053.COMP	7	02:13	22:11:31.5	+18:05:34	600	54	2.0	#176 Be/X-ray	2	
0054.GROJ2058p42	1800	02:17	20:58:47.0	+41:46:36	600	93	2.0	#176 Be/X-ray	2	HeI 6678 is 50 plus pix from the red end, Hbeta 100 from the bl
0055.COMP	7	02:48	20:58:47.0	+41:46:36	600	93	2.0	#176 Be/X-ray	2	
0056.SAXJ21035p4545	1200	02:50	21:03:35.7	+45:45:05	600	93	2.0	#176 Be/X-ray	2	
0057.COMP	7	03:11	21:03:35.7	+45:45:05	600	93	2.0	#176 Be/X-ray	2	
0058.4U2204p543	300	03:13	22:07:57.0	+54:31:06	600	93	2.0	#176 Be/X-ray	2	whoa
0059.4U2204p543	120	03:18	22:07:57.0	+54:31:06	600	93	2.0	#176 Be/X-ray	2	
0060.4U2204p543	120	03:20	22:07:57.0	+54:31:06	600	93	2.0	#176 Be/X-ray	2	
0061.COMP	7	03:23	22:07:57.0	+54:31:06	600	93	2.0	#176 Be/X-ray	2	
0062.4U0115p634	1500	03:28	01:18:32.0	+63:44:24	600	0	2.0	#176 Be/X-ray	2	
0063.COMP	7	03:54	01:18:32.0	+63:44:24	600	0	2.0	#176 Be/X-ray	2	
0064.IGRJ01363p6610	480	04:12	01:36:04.0	+66:11:50	600	0	2.0	#176 Be/X-ray	2	
0065.COMP	8	04:21	01:36:04.0	+66:11:50	600	0	2.0	#176 Be/X-ray	2	
0066.test	5	04:24	02:00:00.0	+32:00:00	600	0	2.0	#176 Be/X-ray	2	hmmm lines flopping around a little bit
0067.RXJ01469p6121	180	04:28	01:47:00.0	+61:21:23	600	0	2.0	#176 Be/X-ray	2	

UT Date 2007-12-05 Observers P BerlindColl. Focus 1320 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>
0068.RXJ01469p6121	180	04:31	01:47:00.0	+61:21:23	600	0	2.0	#176 Be/X-ray	2	
0069.COMP	7	04:35	01:47:00.0	+61:21:23	600	0	2.0	#176 Be/X-ray	2	
0070.IGRJ01583p6713	1200	04:37	01:58:18.2	+67:13:26	600	0	2.0	#176 Be/X-ray	2	
0071.COMP	7	04:58	01:58:18.2	+67:13:26	600	0	2.0	#176 Be/X-ray	2	
0072.LSIP61303	60	04:59	02:40:31.6	+61:13:46	600	0	2.0	#176 Be/X-ray	2	
0073.LSIP61303	60	05:00	02:40:31.6	+61:13:46	600	0	2.0	#176 Be/X-ray	2	
0074.COMP	7	05:02	02:40:31.6	+61:13:46	600	0	2.0	#176 Be/X-ray	2	
0075.V0332p53	1500	05:04	03:34:59.8	+53:10:24	600	0	2.0	#176 Be/X-ray	2	
0076.COMP	7	05:30	03:34:59.8	+53:10:24	600	0	2.0	#176 Be/X-ray	2	
0077.HD19445	30	05:36	03:08:26.3	+26:20:29	600	90	2.0	#176 Be/X-ray	2	
0078.HD19445	30	05:37	03:08:26.3	+26:20:29	600	90	2.0	#176 Be/X-ray	2	
0079.COMP	7	05:38	03:08:26.3	+26:20:29	600	90	2.0	#176 Be/X-ray	2	
0080.XPer	2	05:39	03:55:23.0	+31:02:45	600	90	2.0	#176 Be/X-ray	2	
0081.XPer	2	05:39	03:55:23.0	+31:02:45	600	90	2.0	#176 Be/X-ray	2	
0082.XPer	2	05:40	03:55:23.0	+31:02:45	600	90	2.0	#176 Be/X-ray	2	
0083.COMP	7	05:41	03:55:23.0	+31:02:45	600	90	2.0	#176 Be/X-ray	2	
0084.RXJ04409p4431	180	05:42	04:41:00.6	+44:31:50	600	90	2.0	#176 Be/X-ray	2	
0085.RXJ04409p4431	180	05:45	04:41:00.6	+44:31:50	600	90	2.0	#176 Be/X-ray	2	
0086.COMP	7	05:49	04:41:00.6	+44:31:50	600	90	2.0	#176 Be/X-ray	2	
0087.A0535p262	30	05:50	05:38:54.5	+26:18:57	600	90	2.0	#176 Be/X-ray	2	

UT Date 2007-12-05 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.A0535p262	30	05:51	05:38:54.5	+26:18:57	600	90	2.0	#176 Be/X-ray	2	
0089.COMP	7	05:52	05:38:54.5	+26:18:57	600	90	2.0	#176 Be/X-ray	2	
0090.IGRJ06074p2205	300	05:54	06:07:26.6	+22:05:48	600	90	2.0	#176 Be/X-ray	2	
0091.IGRJ06074p2205	300	06:00	06:07:26.6	+22:05:48	600	90	2.0	#176 Be/X-ray	2	
0092.COMP	7	06:05	06:07:26.6	+22:05:48	600	90	2.0	#176 Be/X-ray	2	
0093-0102.FLAT	30	06:13	04:00:00.0	+32:00:00	600	90	2.0	#2 SN Observat	2	
0103.test	10	06:17	04:00:00.0	+32:00:00	300	90	3.0	#2 SN Observat	2	
0104.test	10	06:18	04:00:00.0	+32:00:00	300	90	3.0	#2 SN Observat	2	
0105.test	10	06:20	04:00:00.0	+32:00:00	300	90	3.0	#2 SN Observat	2	
0106.HD19445	10	06:21	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	300-line, 3-sec, combo
0107.HD19445	10	06:22	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0108.HD19445	10	06:22	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0109.COMP	10	06:23	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0110.sn2007gr	1200	06:25	02:43:28.0	+37:20:45	300	102	3.0	#2 SN Observat	2	
0111.COMP	10	06:45	02:43:28.0	+37:20:45	300	102	3.0	#2 SN Observat	2	
0112.58_102896	240	06:47	03:58:37.0	+54:11:53	300	90	3.0	#152 ChaMPlane	2	
0113.COMP	10	06:51	03:58:37.0	+54:11:53	300	90	3.0	#152 ChaMPlane	2	
0114.58_087298	240	06:52	03:59:04.7	+54:07:54	300	90	3.0	#152 ChaMPlane	2	
0115.COMP	10	06:56	03:59:04.7	+54:07:54	300	90	3.0	#152 ChaMPlane	2	
0116.58_085751	240	06:57	03:59:07.5	+54:09:40	300	90	3.0	#152 ChaMPlane	2	

UT Date 2007-12-05 Observers P BerlindColl. Focus 1320 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>
0117.COMP	10	07:02	03:59:07.5	+54:09:40	300	90	3.0	#152 ChaMPlane	2	
0118.58_076583	600	07:02	03:59:23.3	+54:16:32	300	90	3.0	#152 ChaMPlane	2	
0119.COMP	10	07:13	03:59:23.3	+54:16:32	300	90	3.0	#152 ChaMPlane	2	
0120.42_081255	360	07:14	04:43:16.9	+36:08:28	300	90	3.0	#152 ChaMPlane	2	finishes off the project
0121.COMP	10	07:21	04:43:16.9	+36:08:28	300	90	3.0	#152 ChaMPlane	2	
0122.fmfs148	1200	07:28	04:32:15.8	-14:01:53	300	20	3.0	#171 Local Uni	2	beware star, gal ok, no em
0123.COMP	10	07:49	04:32:15.8	-14:01:53	300	20	3.0	#171 Local Uni	2	
0124.fmfs151	360	07:50	04:43:30.6	-15:19:52	300	20	3.0	#171 Local Uni	2	beware another star, gal ok, no em
0125.COMP	10	07:57	04:43:30.6	-15:19:52	300	20	3.0	#171 Local Uni	2	
0126.fmfs152	600	07:58	04:44:11.0	-15:47:37	300	20	3.0	#171 Local Uni	2	
0127.COMP	10	08:09	04:44:11.0	-15:47:37	300	20	3.0	#171 Local Uni	2	
0128.fmfs153	360	08:10	04:44:21.3	-15:56:42	300	20	3.0	#171 Local Uni	2	
0129.COMP	10	08:16	04:44:21.3	-15:56:42	300	20	3.0	#171 Local Uni	2	
0130.fmfs154	330	08:17	04:44:22.5	-15:49:26	300	20	3.0	#171 Local Uni	2	
0131.COMP	10	08:23	04:44:22.5	-15:49:26	300	20	3.0	#171 Local Uni	2	
0132.fmfs155	390	08:24	04:44:26.9	-15:57:43	300	20	3.0	#171 Local Uni	2	
0133.COMP	10	08:30	04:44:26.9	-15:57:43	300	20	3.0	#171 Local Uni	2	
0134.fmfs156	420	08:31	04:44:43.5	-16:15:37	300	20	3.0	#171 Local Uni	2	
0135.COMP	10	08:39	04:44:43.5	-16:15:37	300	20	3.0	#171 Local Uni	2	
0136.fmfs157	300	08:39	04:44:50.1	-15:12:45	300	20	3.0	#171 Local Uni	2	

UT Date 2007-12-05 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0137.COMP	10	08:45	04:44:50.1	-15:12:45	300	20	3.0	#171 Local Uni	2	
0138.fmfs158	360	08:46	04:44:53.2	-15:52:38	300	20	3.0	#171 Local Uni	2	
0139.COMP	10	08:52	04:44:53.2	-15:52:38	300	20	3.0	#171 Local Uni	2	
0140.fmfs159	330	08:53	04:45:04.4	-16:08:50	300	20	3.0	#171 Local Uni	2	
0141.COMP	10	08:59	04:45:04.4	-16:08:50	300	20	3.0	#171 Local Uni	2	
0142.fmfs160	600	09:00	04:45:48.1	-15:47:19	300	20	3.0	#171 Local Uni	2	
0143.COMP	10	09:10	04:45:48.1	-15:47:19	300	20	3.0	#171 Local Uni	2	
0144.fmfs182	480	09:11	04:54:36.8	-17:59:09	300	20	3.0	#171 Local Uni	2	
0145.COMP	10	09:20	04:54:36.8	-17:59:09	300	20	3.0	#171 Local Uni	2	
0146.fmfs183	480	09:21	04:54:42.2	-17:43:00	300	20	3.0	#171 Local Uni	2	
0147.COMP	10	09:29	04:54:42.2	-17:43:00	300	20	3.0	#171 Local Uni	2	
0148.fmfs191	270	09:30	04:55:43.3	-18:41:01	300	20	3.0	#171 Local Uni	2	
0149.COMP	10	09:35	04:55:43.3	-18:41:01	300	20	3.0	#171 Local Uni	2	
0150.fmfs205	360	09:36	04:58:29.8	-18:01:15	300	20	3.0	#171 Local Uni	2	
0151.COMP	10	09:42	04:58:29.8	-18:01:15	300	20	3.0	#171 Local Uni	2	
0152.DA240	1800	09:49	07:48:36.8	+55:49:00	300	35	3.0	#177 3CRR Radi	2	
0153.COMP	10	10:20	07:48:36.8	+55:49:00	300	35	3.0	#177 3CRR Radi	2	
0154.3C192	1800	10:22	08:05:35.0	+24:09:50	300	50	3.0	#177 3CRR Radi	2	
0155.COMP	10	10:53	08:05:35.0	+24:09:50	300	50	3.0	#177 3CRR Radi	2	
0157.4C73.08	1800	11:01	09:49:45.8	+73:14:23	300	22	3.0	#177 3CRR Radi	2	

UT Date 2007-12-05 Observers P BerlindColl. Focus 1320 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>
0158.COMP	10	11:32	09:49:45.8	+73:14:23	300	22	3.0	#177 3CRR Radi	2	
0159.4C73.08	1800	11:33	09:49:45.8	+73:14:23	300	110	3.0	#177 3CRR Radi	2	
0160.COMP	10	12:04	09:49:45.8	+73:14:23	300	110	3.0	#177 3CRR Radi	2	
0161.fmfs209	390	12:10	09:08:56.2	-09:35:54	300	0	3.0	#171 Local Uni	2	
0162.COMP	10	12:17	09:08:56.2	-09:35:54	300	0	3.0	#171 Local Uni	2	
0163.fmfs235	270	12:18	09:52:27.2	-15:59:49	300	0	3.0	#171 Local Uni	2	
0164.COMP	10	12:23	09:52:27.2	-15:59:49	300	0	3.0	#171 Local Uni	2	
0165.fmfs236	240	12:24	09:52:28.6	-15:58:56	300	0	3.0	#171 Local Uni	2	
0166.COMP	10	12:28	09:52:28.6	-15:58:56	300	0	3.0	#171 Local Uni	2	
0167.fmfs238	270	12:29	09:52:41.5	-16:03:01	300	0	3.0	#171 Local Uni	2	
0168.COMP	10	12:34	09:52:41.5	-16:03:01	300	0	3.0	#171 Local Uni	2	
0169.sn2007rt	1500	12:38	11:02:43.3	+50:34:59	300	10	3.0	#2 SN Observat	2	
0170.COMP	10	13:04	11:02:43.3	+50:34:59	300	10	3.0	#2 SN Observat	2	
0171-0180.BIAS	0	13:07	11:02:43.3	+50:34:59	300	80	3.0	#2 SN Observat	2	
0181-0195.FLAT	25	13:17	11:02:43.3	+50:34:59	300	80	3.0	#2 SN Observat	2	
0196-0205.DARK	900	15:41	11:02:43.3	+50:34:59	300	80	3.0	#2 SN Observat	2	



UT Date 2007-12-06 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:27	11:02:43.3	+50:34:59	300	80	3.0	#2 SN Observat	2	
0011-0025.FLAT	25	00:36	11:02:43.3	+50:34:59	300	80	3.0	#2 SN Observat	2	
0026.BDp174708	45	01:22	22:11:31.5	+18:05:34	300	35	3.0	#56 Spectropho	2	
0027.BDp174708	45	01:22	22:11:31.5	+18:05:34	300	35	3.0	#56 Spectropho	2	
0028.BDp174708	45	01:23	22:11:31.5	+18:05:34	300	35	3.0	#56 Spectropho	2	
0029.COMP	10	01:24	22:11:31.5	+18:05:34	300	35	3.0	#56 Spectropho	2	
0030.BDp284211	120	01:26	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	
0031.BDp284211	120	01:28	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	
0032.COMP	10	01:31	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	
0033.20220633+5451235	379	01:34	20:22:06.3	+54:51:24	300	90	3.0	#141 Mapping t	2	stopped by clouds
0034.COMP	10	01:41	20:22:06.3	+54:51:24	300	90	3.0	#141 Mapping t	2	
0035.ZAnd	1	02:12	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0036.ZAnd	5	02:12	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0037.ZAnd	30	02:12	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0038.COMP	10	02:13	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0039.sn2007ru	1800	02:15	23:07:23.1	+43:35:34	300	90	3.0	#2 SN Observat	2	
0040.COMP	10	02:46	23:07:23.1	+43:35:34	300	90	3.0	#2 SN Observat	2	
0041.sn2007od	1200	02:48	23:55:48.7	+18:24:55	300	30	3.0	#2 SN Observat	2	
0042.COMP	10	03:08	23:55:48.7	+18:24:55	300	30	3.0	#2 SN Observat	2	
0043.sn2007qe	1800	03:11	23:54:13.0	+27:24:33	300	69	3.0	#2 SN Observat	2	

UT Date 2007-12-06 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	03:41	23:54:13.0	+27:24:33	300	69	3.0	#2 SN Observat	2	
0045.fmfs077	720	03:44	01:22:14.2	-02:34:58	300	0	3.0	#171 Local Uni	2	
0046.COMP	10	03:56	01:22:14.2	-02:34:58	300	0	3.0	#171 Local Uni	2	
0047.fmfs078	600	03:57	01:22:48.5	-13:40:43	300	0	3.0	#171 Local Uni	2	
0048.COMP	10	04:08	01:22:48.5	-13:40:43	300	0	3.0	#171 Local Uni	2	
0049.fmfs079	720	04:09	01:22:59.4	-14:01:24	300	0	3.0	#171 Local Uni	2	
0050.COMP	10	04:21	01:22:59.4	-14:01:24	300	0	3.0	#171 Local Uni	2	
0051.fmfs080	720	04:22	01:22:59.5	-13:37:35	300	0	3.0	#171 Local Uni	2	
0052.COMP	10	04:34	01:22:59.5	-13:37:35	300	0	3.0	#171 Local Uni	2	
0053.fmfs081	720	04:35	01:23:08.1	-13:53:32	300	0	3.0	#171 Local Uni	2	
0054.COMP	10	04:48	01:23:08.1	-13:53:32	300	0	3.0	#171 Local Uni	2	
0055.sn2007pk	1800	04:53	01:31:47.1	+33:36:54	300	0	3.0	#2 SN Observat	2	
0056.COMP	10	05:24	01:31:47.1	+33:36:54	300	0	3.0	#2 SN Observat	2	
0057.BD59546	60	05:26	02:48:49.4	+60:09:20	300	20	3.0	#179 OB Stars	2	
0058.COMP	10	05:28	02:48:49.4	+60:09:20	300	20	3.0	#179 OB Stars	2	
0059.kep_w5_202	210	05:29	02:46:46.0	+60:35:53	300	20	3.0	#179 OB Stars	2	
0060.COMP	10	05:32	02:46:46.0	+60:35:53	300	20	3.0	#179 OB Stars	2	
0061.kep_w5_203	210	05:33	02:51:44.6	+60:23:23	300	20	3.0	#179 OB Stars	2	
0062.COMP	10	05:37	02:51:44.6	+60:23:23	300	20	3.0	#179 OB Stars	2	
0063.kep_w5_204	210	05:38	02:49:00.8	+60:50:02	300	20	3.0	#179 OB Stars	2	

UT Date 2007-12-06 Observers P BerlindColl. Focus 1320 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>
0064.COMP	10	05:42	02:49:00.8	+60:50:02	300	20	3.0	#179 OB Stars	2	
0065.kep_w5_205	210	05:42	02:45:39.8	+60:23:23	300	20	3.0	#179 OB Stars	2	
0066.COMP	10	05:46	02:45:39.8	+60:23:23	300	20	3.0	#179 OB Stars	2	
0067.kep_w5_206	210	05:47	02:57:40.9	+60:43:28	300	20	3.0	#179 OB Stars	2	
0068.COMP	10	05:51	02:57:40.9	+60:43:28	300	20	3.0	#179 OB Stars	2	
0069.kep_w5_207	180	05:51	02:46:52.4	+60:29:08	300	20	3.0	#179 OB Stars	2	
0070.COMP	10	05:55	02:46:52.4	+60:29:08	300	20	3.0	#179 OB Stars	2	
0071.kep_w5_208	180	05:55	02:50:08.8	+60:36:23	300	20	3.0	#179 OB Stars	2	
0072.COMP	10	05:59	02:50:08.8	+60:36:23	300	20	3.0	#179 OB Stars	2	
0073.kep_w5_209	180	05:59	02:51:06.3	+60:35:12	300	20	3.0	#179 OB Stars	2	
0074.COMP	10	06:02	02:51:06.3	+60:35:12	300	20	3.0	#179 OB Stars	2	
0075.kep_w5_210	180	06:03	02:50:53.0	+60:26:41	300	20	3.0	#179 OB Stars	2	
0076.COMP	10	06:06	02:50:53.0	+60:26:41	300	20	3.0	#179 OB Stars	2	
0077.kep_w5_211	180	06:07	02:48:46.9	+60:22:16	300	20	3.0	#179 OB Stars	2	
0078.COMP	10	06:10	02:48:46.9	+60:22:16	300	20	3.0	#179 OB Stars	2	
0079.kep_w5_212	180	06:11	02:53:37.1	+61:02:34	300	20	3.0	#179 OB Stars	2	
0080.COMP	10	06:15	02:53:37.1	+61:02:34	300	20	3.0	#179 OB Stars	2	
0081.kep_w5_213	180	06:15	02:58:24.5	+60:34:47	300	20	3.0	#179 OB Stars	2	
0082.COMP	10	06:19	02:58:24.5	+60:34:47	300	20	3.0	#179 OB Stars	2	
0083.kep_w5_214	180	06:20	02:53:08.2	+60:38:22	300	20	3.0	#179 OB Stars	2	

UT Date 2007-12-06 Observers P BerlindColl. Focus 1320 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>
0084.COMP	10	06:23	02:53:08.2	+60:38:22	300	20	3.0	#179 OB Stars	2	
0085.kep_w5_215	180	06:24	02:54:14.2	+60:49:53	300	20	3.0	#179 OB Stars	2	
0086.COMP	10	06:27	02:54:14.2	+60:49:53	300	20	3.0	#179 OB Stars	2	
0087.kep_w5_216	180	06:28	02:48:24.9	+60:34:26	300	20	3.0	#179 OB Stars	2	
0088.COMP	10	06:31	02:48:24.9	+60:34:26	300	20	3.0	#179 OB Stars	2	
0089.3C83.1B	600	06:34	03:18:15.8	+41:51:28	300	-15	3.0	#177 3CRR Radi	2	all sup star
0090.COMP	10	06:44	03:18:15.8	+41:51:28	300	-15	3.0	#177 3CRR Radi	2	
0091.BIAS	0	06:51	03:18:15.8	+41:51:28	300	75	3.0	#141 Mapping t	2	ccd crashed again
0092.3C83.1B	126	06:52	03:18:15.8	+41:51:28	300	75	3.0	#141 Mapping t	2	all sup star
0093.COMP	10	06:54	03:18:15.8	+41:51:28	300	75	3.0	#141 Mapping t	2	
0094.IPHAS_B430	900	06:59	05:41:32.7	+26:55:14	300	90	3.0	#157 IPHAS	2	
0095.COMP	10	07:14	05:41:32.7	+26:55:14	300	90	3.0	#157 IPHAS	2	
0096.IPHAS_B431	1200	07:16	05:42:13.3	+34:12:01	300	90	3.0	#157 IPHAS	2	
0097.COMP	10	07:36	05:42:13.3	+34:12:01	300	90	3.0	#157 IPHAS	2	
0098.IPHAS_B432	1200	07:37	05:42:57.7	+25:42:46	300	90	3.0	#157 IPHAS	2	
0099.COMP	10	07:58	05:42:57.7	+25:42:46	300	90	3.0	#157 IPHAS	2	
0100.IPHAS_B438	1200	07:59	05:46:35.5	+26:19:10	300	90	3.0	#157 IPHAS	2	
0101.COMP	10	08:19	05:46:35.5	+26:19:10	300	90	3.0	#157 IPHAS	2	
0102.IPHAS_B440	1200	08:20	05:49:45.0	+27:04:16	300	90	3.0	#157 IPHAS	2	
0103.COMP	10	08:40	05:49:45.0	+27:04:16	300	90	3.0	#157 IPHAS	2	

UT Date 2007-12-06 Observers P BerlindColl. Focus 1320 Grating/Grism 300

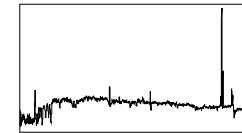
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0104.IPHAS_B447	1200	08:42	05:55:51.1	+32:41:50	300	90	3.0	#157 IPHAS	2	
0105.COMP	10	09:03	05:55:51.1	+32:41:50	300	90	3.0	#157 IPHAS	2	
0106.IPHAS_B450	120	09:04	05:55:03.2	+29:10:01	300	90	3.0	#157 IPHAS	2	
0107.COMP	10	09:06	05:55:03.2	+29:10:01	300	90	3.0	#157 IPHAS	2	
0108.IPHAS_B451	1200	09:07	05:57:52.9	+27:46:42	300	90	3.0	#157 IPHAS	2	
0109.COMP	10	09:28	05:57:52.9	+27:46:42	300	90	3.0	#157 IPHAS	2	
0110.IPHAS_B452	1200	09:28	05:57:57.7	+26:48:04	300	90	3.0	#157 IPHAS	2	
0111.COMP	10	09:49	05:57:57.7	+26:48:04	300	90	3.0	#157 IPHAS	2	
0112.IPHAS_B453	1200	09:50	05:57:00.0	+33:56:46	300	90	3.0	#157 IPHAS	2	
0113.COMP	10	10:11	05:57:00.0	+33:56:46	300	90	3.0	#157 IPHAS	2	
0114.IPHAS_B441	1200	10:12	05:50:05.0	+32:52:51	300	90	3.0	#157 IPHAS	2	
0115.COMP	10	10:32	05:50:05.0	+32:52:51	300	90	3.0	#157 IPHAS	2	
0116.IPHAS_B443	1500	10:34	05:50:50.6	+24:06:12	300	90	3.0	#157 IPHAS	2	
0117.COMP	10	10:59	05:50:50.6	+24:06:12	300	90	3.0	#157 IPHAS	2	
0118.IPHAS_B444	900	11:00	05:51:16.6	+24:10:25	300	90	3.0	#157 IPHAS	2	
0119.COMP	10	11:16	05:51:16.6	+24:10:25	300	90	3.0	#157 IPHAS	2	
0120.IPHAS_B489	1200	11:17	06:39:01.3	+02:20:46	300	50	3.0	#157 IPHAS	2	
0121.COMP	10	11:38	06:39:01.3	+02:20:46	300	50	3.0	#157 IPHAS	2	
0122.IPHAS_B488	300	11:39	06:39:34.0	+06:11:49	300	50	3.0	#157 IPHAS	2	
0123.COMP	10	11:45	06:39:34.0	+06:11:49	300	50	3.0	#157 IPHAS	2	

UT Date 2007-12-06 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0124.fmfs231	600	11:48	09:50:49.5	-15:15:59	300	90	3.0	#171 Local Uni	2	
0125.COMP	10	11:58	09:50:49.5	-15:15:59	300	90	3.0	#171 Local Uni	2	
0126.fmfs232	420	11:59	09:51:55.3	-16:16:21	300	90	3.0	#171 Local Uni	2	
0127.COMP	10	12:06	09:51:55.3	-16:16:21	300	90	3.0	#171 Local Uni	2	
0128.fmfs233	420	12:07	09:52:12.9	-15:20:28	300	90	3.0	#171 Local Uni	2	
0129.COMP	10	12:15	09:52:12.9	-15:20:28	300	90	3.0	#171 Local Uni	2	
0130.fmfs234	460	12:16	09:52:18.3	-16:05:44	300	90	3.0	#171 Local Uni	2	
0131.COMP	10	12:24	09:52:18.3	-16:05:44	300	90	3.0	#171 Local Uni	2	
0132.fmfs237	480	12:24	09:52:35.7	-16:00:36	300	90	3.0	#171 Local Uni	2	
0133.COMP	10	12:33	09:52:35.7	-16:00:36	300	90	3.0	#171 Local Uni	2	
0134.fmfs239	330	12:34	09:52:46.3	-16:02:31	300	90	3.0	#171 Local Uni	2	
0135.COMP	10	12:39	09:52:46.3	-16:02:31	300	90	3.0	#171 Local Uni	2	
0136.fmfs240	240	12:40	09:52:56.0	-15:57:29	300	90	3.0	#171 Local Uni	2	
0137.COMP	10	12:44	09:52:56.0	-15:57:29	300	90	3.0	#171 Local Uni	2	
0138.fmfs241	600	12:45	09:52:56.2	-16:04:49	300	90	3.0	#171 Local Uni	2	
0139.COMP	10	12:56	09:52:56.2	-16:04:49	300	90	3.0	#171 Local Uni	2	
0140.fmfs242	240	12:57	09:52:57.5	-16:01:12	300	90	3.0	#171 Local Uni	2	
0141.COMP	10	13:01	09:52:57.5	-16:01:12	300	90	3.0	#171 Local Uni	2	
0142-0151.BIAS	0	13:06	09:53:20.6	-16:11:37	300	90	3.0	#141 Mapping t	2	
0152-0166.FLAT	25	13:15	09:53:20.6	-16:11:37	300	90	3.0	#141 Mapping t	2	

UT Date 2007-12-06 Observers P BerlindColl. Focus 1320 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>
0167-0176.DARK	900	15:41	09:53:20.6	-16:11:37	300	90	3.0	#141 Mapping t	2	

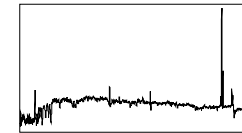
UT Date 2007-12-07 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	04:34	23:34:40.6	+31:27:42	300	90	3.0	#141 Mapping t	4	
0011-0020.DARK	900	14:46	23:34:40.6	+31:27:42	300	90	3.0	#141 Mapping t	2	

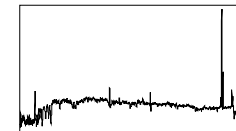


UT Date 2007-12-08 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	01:20	23:34:40.6	+31:27:42	300	90	3.0	#141 Mapping t	2	
0011-0020.BIAS	0	01:41	23:34:40.6	+31:27:42	300	90	3.0	#141 Mapping t	2	
0021-0060.FLAT	25	02:51	23:34:40.6	+31:27:42	300	90	3.0	#141 Mapping t	2	

UT Date 2007-12-09 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	02:26	23:34:40.6	+31:27:42	300	90	3.0	#141 Mapping t	2	
0011-0020.BIAS	0	02:47	23:34:40.6	+31:27:42	300	90	3.0	#141 Mapping t	2	
0021-0060.FLAT	25	03:15	23:34:40.6	+31:27:42	300	90	3.0	#141 Mapping t	2	
0061-0080.DARK	900	12:29	23:34:40.6	+31:27:42	300	90	3.0	#141 Mapping t	2	

UT Date 2007-12-10 Observers P BerlindColl. Focus 1320 Grating/Grism 300

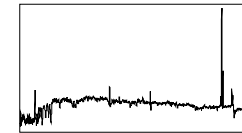
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	02:01	23:36:23.5	+31:27:42	300	90	3.0	#141 Mapping t	2	
0011-0025.FLAT	25	02:10	23:36:23.5	+31:27:42	300	90	3.0	#141 Mapping t	2	
0026-0035.DARK	900	04:37	23:36:23.5	+31:27:42	300	90	3.0	#141 Mapping t	2	



UT Date 2007-12-11 Observers P Berlind

Coll. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	01:48	23:36:23.5	+31:27:42	300	90	3.0	#141 Mapping t	2	
0011-0020.BIAS	0	02:47	23:36:23.5	+31:27:42	300	90	3.0	#141 Mapping t	2	
0021-0035.FLAT	25	02:56	23:36:23.5	+31:27:42	300	90	3.0	#141 Mapping t	2	

UT Date 2007-12-12 Observers P BerlindColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	23:50	23:36:23.5	+31:27:42	300	90	3.0	#141 Mapping t	2	
0011-0025.FLAT	25	23:59	23:36:23.5	+31:27:42	300	90	3.0	#141 Mapping t	2	
0026-0035.DARK	900	03:56	23:36:23.5	+31:27:42	300	90	3.0	#141 Mapping t	2	

UT Date 2007-12-13 Observers W PetersColl. Focus 1320 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	01:16	23:17:17.8	+31:27:45	300	90	3.0	#141 Mapping t	2	
0003.COMP	10	01:48	23:39:03.7	+31:27:42	300	90	3.0	#141 Mapping t	2	adjusted grating tilt
0004-0013.BIAS	0	01:55	23:39:03.7	+31:27:42	300	90	3.0	#141 Mapping t	2	
0014-0028.FLAT	25	02:05	23:39:03.7	+31:27:42	300	90	3.0	#141 Mapping t	2	
0029.BDp174708	45	03:07	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	
0030.BDp174708	45	03:08	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	
0031.BDp174708	45	03:08	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	
0032.COMP	10	03:14	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	
0033.BDp284211	90	03:22	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	
0034.BDp284211	90	03:24	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	
0035.COMP	10	03:28	21:51:11.1	+28:51:53	300	90	3.0	#56 Spectropho	2	
0036.N7331	180	03:34	22:37:04.3	+34:24:58	300	90	3.0	#57 Velocity S	2	
0037.COMP	10	03:40	22:37:04.3	+34:24:58	300	90	3.0	#57 Velocity S	2	
0038.ZAnd	1	03:52	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0039.ZAnd	5	03:52	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0040.ZAnd	30	03:52	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0041.COMP	10	03:55	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0042.sn2007le	1500	04:52	23:38:48.4	-06:31:21	300	90	3.0	#2 SN Observat	2	
0043.COMP	10	05:18	23:38:48.4	-06:31:21	300	90	3.0	#2 SN Observat	2	
0044.sn2007gr	1800	05:43	02:43:28.0	+37:20:45	300	90	3.0	#2 SN Observat	2	

UT Date 2007-12-13 Observers W PetersColl. Focus 1320 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>
0045.COMP	10	06:13	02:43:28.0	+37:20:45	300	90	3.0	#2 SN Observat	2	
0046.hxPer348	900	06:55	02:21:50.7	+57:22:43	300	90	3.0	#170 h & chi P	2	science object at 87
0047.COMP	10	07:12	02:21:50.7	+57:22:43	300	90	3.0	#170 h & chi P	2	
0048.hxPer349	1200	07:18	02:17:26.8	+56:43:51	300	90	3.0	#170 h & chi P	2	
0049.COMP	10	07:42	02:17:26.8	+56:43:51	300	90	3.0	#170 h & chi P	2	
0050.hxPer350	1200	07:50	02:18:09.7	+56:52:43	300	90	3.0	#170 h & chi P	2	
0051.COMP	10	08:11	02:18:09.7	+56:52:43	300	90	3.0	#170 h & chi P	2	
0052.hxPer351	1200	08:16	02:22:37.8	+57:24:00	300	55	3.0	#170 h & chi P	2	
0053.COMP	10	08:36	02:22:37.8	+57:24:00	300	55	3.0	#170 h & chi P	2	
0054.IPHAS_B463	1500	09:00	06:31:39.6	+04:53:38	300	90	3.0	#157 IPHAS	2	
0055.COMP	10	09:25	06:31:39.6	+04:53:38	300	90	3.0	#157 IPHAS	2	
0056.IPHAS_B464	1800	09:29	06:31:54.6	+05:38:36	300	70	3.0	#157 IPHAS	2	
0057.COMP	10	10:00	06:31:54.6	+05:38:36	300	70	3.0	#157 IPHAS	2	
0058.IPHAS_B466	1500	10:09	06:32:43.3	+05:02:21	300	90	3.0	#157 IPHAS	2	
0059.COMP	10	10:35	06:32:43.3	+05:02:21	300	90	3.0	#157 IPHAS	2	
0060.fmfs218	900	10:47	09:16:31.1	-12:06:25	300	90	3.0	#171 Local Uni	2	
0061.COMP	10	11:03	09:16:31.1	-12:06:25	300	90	3.0	#171 Local Uni	2	
0062.fmfs219	1800	11:07	09:17:27.6	-12:00:28	300	90	3.0	#171 Local Uni	2	
0063.COMP	10	11:41	09:17:27.6	-12:00:28	300	90	3.0	#171 Local Uni	2	
0064.fmfs220	1500	11:44	09:17:41.0	-11:37:58	300	90	3.0	#171 Local Uni	2	

UT Date 2007-12-13 Observers W PetersColl. Focus 1320 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>
0065.COMP	10	12:10	09:17:41.0	-11:37:58	300	90	3.0	#171 Local Uni	2	
0066.HD84937	20	12:13	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0067.HD84937	20	12:13	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0068.HD84937	20	12:14	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0069.COMP	10	12:15	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0070.Feige34	180	12:22	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0071.Feige34	180	12:25	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0072.COMP	10	12:29	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0073.fmfs221	1200	12:33	09:17:54.6	-12:15:15	300	90	3.0	#171 Local Uni	2	
0074.COMP	10	12:56	09:17:54.6	-12:15:15	300	90	3.0	#171 Local Uni	2	
0075.fmfs223	1200	13:01	09:18:01.3	-12:05:07	300	90	3.0	#171 Local Uni	2	
0076.COMP	10	13:22	09:18:01.3	-12:05:07	300	90	3.0	#171 Local Uni	2	
0077-0086.BIAS	0	13:33	09:18:01.3	-12:05:07	300	90	3.0	#157 IPHAS	2	
0087-0101.FLAT	25	13:42	09:18:01.3	-12:05:07	300	90	3.0	#157 IPHAS	2	
0102-0106.DARK	900	14:48	09:18:01.3	-12:05:07	300	90	3.0	#157 IPHAS	2	



UT Date 2007-12-14 Observers W PetersColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	00:02	09:18:01.3	-12:05:07	300	90	3.0	#157 IPHAS	2	
0011-0025.FLAT	25	00:11	09:18:01.3	-12:05:07	300	90	3.0	#157 IPHAS	2	
0027.COMP	10	01:26	01:31:48.9	+18:35:50	300	90	3.0	#141 Mapping t	2	
0028.01314889+1835498	480	01:29	01:31:48.9	+18:35:50	300	90	3.0	#141 Mapping t	2	
0029.COMP	10	01:38	01:31:48.9	+18:35:50	300	90	3.0	#141 Mapping t	2	
0030.BDp174708	45	01:46	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	
0031.BDp174708	45	01:47	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	
0032.BDp174708	45	01:48	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	
0033.COMP	10	01:50	22:11:31.5	+18:05:34	300	90	3.0	#56 Spectropho	2	
0034.BDp284211	90	01:52	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0035.BDp284211	90	01:54	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0036.COMP	10	01:56	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0037.N7331	120	01:59	22:37:04.3	+34:24:58	300	90	3.0	#57 Velocity S	2	
0038.COMP	10	02:02	22:37:04.3	+34:24:58	300	90	3.0	#57 Velocity S	2	
0039.sn2007qe	1800	02:14	23:54:13.0	+27:24:33	300	50	3.0	#2 SN Observat	2	
0040.COMP	10	02:45	23:54:13.0	+27:24:33	300	50	3.0	#2 SN Observat	2	
0041.sn2007rx	1500	03:03	23:40:11.7	+27:25:17	300	90	3.0	#2 SN Observat	2	
0042.COMP	10	03:29	23:40:11.7	+27:25:17	300	90	3.0	#2 SN Observat	2	
0043.sn2007od	1200	03:35	23:55:48.7	+18:24:55	300	55	3.0	#2 SN Observat	2	
0044.COMP	10	04:02	23:55:48.7	+18:24:55	300	55	3.0	#2 SN Observat	2	

UT Date 2007-12-14 Observers W PetersColl. Focus 1320 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>
0045.kep_w5_217	240	04:18	02:51:12.3	+60:23:32	300	45	3.0	#179 OB Stars	2	
0046.COMP	10	04:23	02:51:12.3	+60:23:32	300	45	3.0	#179 OB Stars	2	
0047.kep_w5_218	240	04:29	02:48:10.5	+60:40:47	300	90	3.0	#179 OB Stars	2	
0048.COMP	10	04:34	02:48:10.5	+60:40:47	300	90	3.0	#179 OB Stars	2	
0049.kep_w5_219	240	04:35	02:53:08.9	+60:49:53	300	90	3.0	#179 OB Stars	2	
0050.COMP	10	04:40	02:53:08.9	+60:49:53	300	90	3.0	#179 OB Stars	2	
0051.kep_w5_220	240	04:44	02:49:54.2	+60:56:26	300	69	3.0	#179 OB Stars	2	
0052.COMP	10	04:48	02:49:54.2	+60:56:26	300	69	3.0	#179 OB Stars	2	
0053.BIAS	0	08:31	02:03:53.9	+42:19:48	300	90	3.0	#141 Mapping t	2	
0054.sn2007rz	1500	08:57	04:31:10.8	+07:37:51	300	50	3.0	#2 SN Observat	2	
0055.COMP	10	09:23	04:31:10.8	+07:37:51	300	50	3.0	#2 SN Observat	2	
0056.IPHAS_B467	300	09:33	06:32:41.7	+04:53:38	300	90	3.0	#157 IPHAS	2	
0057.COMP	10	09:39	06:32:41.7	+04:53:38	300	90	3.0	#157 IPHAS	2	
0058.IPHAS_B468	1200	09:42	06:33:32.4	+04:57:49	300	90	3.0	#157 IPHAS	2	
0059.COMP	10	10:03	06:33:32.4	+04:57:49	300	90	3.0	#157 IPHAS	2	
0060.IPHAS_B470	1200	10:10	06:33:22.3	+04:36:38	300	90	3.0	#157 IPHAS	2	
0061.COMP	10	10:30	06:33:22.3	+04:36:38	300	90	3.0	#157 IPHAS	2	
0062.fmfs224	1200	10:39	09:18:03.3	-12:05:10	300	65	3.0	#171 Local Uni	2	
0063.COMP	10	11:01	09:18:03.3	-12:05:10	300	65	3.0	#171 Local Uni	2	
0064.fmfs225	1200	11:03	09:18:06.8	-12:30:25	300	90	3.0	#171 Local Uni	2	

UT Date 2007-12-14 Observers W PetersColl. Focus 1320 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>
0065.COMP	10	11:25	09:18:06.8	-12:30:25	300	90	3.0	#171 Local Uni	2	
0066.fmfs226	1200	11:32	09:18:18.3	-11:56:38	300	90	3.0	#171 Local Uni	2	
0067.COMP	10	11:53	09:18:18.3	-11:56:38	300	90	3.0	#171 Local Uni	2	
0068.fmfs227	600	11:55	09:18:21.1	-12:30:45	300	90	3.0	#171 Local Uni	2	
0069.COMP	10	12:06	09:18:21.1	-12:30:45	300	90	3.0	#171 Local Uni	2	
0070.fmfs228	1200	12:09	09:18:23.1	-12:26:00	300	90	3.0	#171 Local Uni	2	
0071.COMP	10	12:29	09:18:23.1	-12:26:00	300	90	3.0	#171 Local Uni	2	
0072.fmfs229	1500	12:32	09:19:50.7	-12:07:20	300	90	3.0	#171 Local Uni	2	
0073.COMP	10	13:01	09:19:50.7	-12:07:20	300	90	3.0	#171 Local Uni	2	
0074.fmfs230	900	13:04	09:20:02.4	-12:10:03	300	85	3.0	#171 Local Uni	2	
0075.COMP	10	13:20	09:20:02.4	-12:10:03	300	85	3.0	#171 Local Uni	2	
0076-0085.BIAS	0	13:29	09:20:02.4	-12:10:03	300	85	3.0	#141 Mapping t	2	
0086-0100.FLAT	25	13:38	09:20:02.4	-12:10:03	300	85	3.0	#141 Mapping t	2	
0101-0105.DARK	900	14:44	09:20:02.4	-12:10:03	300	85	3.0	#141 Mapping t	2	

UT Date 2007-12-15 Observers W PetersColl. Focus 1320 Grating/Grism 300

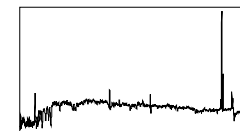
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001.COMP	10	00:16	09:20:02.4	-12:10:03	300	85	3.0	#141 Mapping t	2	
0002-0011.BIAS	0	00:24	09:20:02.4	-12:10:03	300	85	3.0	#141 Mapping t	2	
0012-0026.FLAT	25	00:33	09:20:02.4	-12:10:03	300	85	3.0	#141 Mapping t	2	
0027.N7331	120	01:24	22:37:04.3	+34:24:58	300	85	3.0	#57 Velocity S	2	
0028.COMP	10	01:29	22:37:04.3	+34:24:58	300	85	3.0	#57 Velocity S	2	
0029.BDp174708	45	01:57	22:11:31.5	+18:05:34	300	56	3.0	#56 Spectropho	2	
0030.BDp174708	45	01:58	22:11:31.5	+18:05:34	300	56	3.0	#56 Spectropho	2	
0031.BDp174708	45	01:59	22:11:31.5	+18:05:34	300	56	3.0	#56 Spectropho	2	
0032.COMP	10	02:01	22:11:31.5	+18:05:34	300	56	3.0	#56 Spectropho	2	
0033.BDp284211	90	02:06	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0034.BDp284211	90	02:07	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0035.COMP	10	02:16	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0036.sn20071e	1800	02:26	23:38:48.4	-06:31:21	300	20	3.0	#2 SN Observat	2	
0037.COMP	10	02:58	23:38:48.4	-06:31:21	300	20	3.0	#2 SN Observat	2	
0038.sn2007gr	1800	04:11	02:43:28.0	+37:20:45	300	89	3.0	#2 SN Observat	2	
0039.COMP	10	04:47	02:43:28.0	+37:20:45	300	89	3.0	#2 SN Observat	2	
0040.IPHAS_B471	1200	08:39	06:34:23.5	+02:53:27	300	89	3.0	#157 IPHAS	2	
0041.COMP	10	09:01	06:34:23.5	+02:53:27	300	89	3.0	#157 IPHAS	2	
0042.IPHAS_B472	1200	09:08	06:34:16.9	+04:24:19	300	50	3.0	#157 IPHAS	2	
0043.COMP	10	09:29	06:34:16.9	+04:24:19	300	50	3.0	#157 IPHAS	2	

UT Date 2007-12-15 Observers W PetersColl. Focus 1320 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>
0044.IPHAS.B473	1200	09:32	06:35:38.4	+01:54:40	300	90	3.0	#157 IPHAS	2	
0045.COMP	10	09:53	06:35:38.4	+01:54:40	300	90	3.0	#157 IPHAS	2	
0046.IPHAS.B474	1200	09:56	06:35:27.7	+02:57:57	300	100	3.0	#157 IPHAS	2	
0047.COMP	10	10:17	06:35:27.7	+02:57:57	300	100	3.0	#157 IPHAS	2	
0048.fmfs243	480	10:21	09:53:03.6	-15:55:20	300	70	3.0	#171 Local Uni	2	
0049.COMP	10	10:30	09:53:03.6	-15:55:20	300	70	3.0	#171 Local Uni	2	
0050.fmfs244	480	10:32	09:53:13.1	-16:01:14	300	90	3.0	#171 Local Uni	2	
0051.COMP	10	10:42	09:53:13.1	-16:01:14	300	90	3.0	#171 Local Uni	2	
0052.fmfs245	480	10:45	09:53:13.5	-15:48:40	300	80	3.0	#171 Local Uni	2	
0053.COMP	10	10:54	09:53:13.5	-15:48:40	300	80	3.0	#171 Local Uni	2	
0054.fmfs246	480	10:57	09:53:20.6	-16:11:37	300	95	3.0	#171 Local Uni	2	
0055.COMP	10	11:07	09:53:20.6	-16:11:37	300	95	3.0	#171 Local Uni	2	
0056.fmfs247	480	11:10	09:53:21.8	-16:01:51	300	90	3.0	#171 Local Uni	2	
0057.COMP	10	11:19	09:53:21.8	-16:01:51	300	90	3.0	#171 Local Uni	2	
0058.fmfs248	480	11:22	09:53:22.5	-16:01:45	300	100	3.0	#171 Local Uni	2	
0059.COMP	10	11:30	09:53:22.5	-16:01:45	300	100	3.0	#171 Local Uni	2	
0060.fmfs249	480	11:33	09:55:07.1	-16:04:07	300	90	3.0	#171 Local Uni	2	
0061.COMP	10	11:42	09:55:07.1	-16:04:07	300	90	3.0	#171 Local Uni	2	
0062.fmfs250	600	11:45	09:55:36.3	-15:47:32	300	90	3.0	#171 Local Uni	2	
0063.COMP	10	11:56	09:55:36.3	-15:47:32	300	90	3.0	#171 Local Uni	2	

UT Date 2007-12-15 Observers W PetersColl. Focus 1320 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>
0064.fmfs251	600	11:58	09:55:44.5	-16:32:03	300	90	3.0	#171 Local Uni	2	
0065.COMP	10	12:09	09:55:44.5	-16:32:03	300	90	3.0	#171 Local Uni	2	
0066.fmfs252	480	12:14	10:14:28.4	-01:17:02	300	90	3.0	#171 Local Uni	2	
0067.COMP	10	12:23	10:14:28.4	-01:17:02	300	90	3.0	#171 Local Uni	2	
0068.fmfs253	480	12:25	10:14:28.5	-01:17:25	300	90	3.0	#171 Local Uni	2	
0069.COMP	10	12:35	10:14:28.5	-01:17:25	300	90	3.0	#171 Local Uni	2	
0070.fmfs254	720	12:38	10:15:18.4	-10:36:35	300	90	3.0	#171 Local Uni	2	
0071.COMP	10	12:51	10:15:18.4	-10:36:35	300	90	3.0	#171 Local Uni	2	
0072.fmfs255	600	12:56	10:15:34.3	-01:19:35	300	70	3.0	#171 Local Uni	2	
0073.COMP	10	13:07	10:15:34.3	-01:19:35	300	70	3.0	#171 Local Uni	2	
0074-0083.BIAS	0	13:23	10:15:34.3	-01:19:35	300	90	3.0	#157 IPHAS	2	
0084-0098.FLAT	25	13:32	10:15:34.3	-01:19:35	300	90	3.0	#157 IPHAS	2	
0099-0103.DARK	900	14:37	10:15:34.3	-01:19:35	300	90	3.0	#157 IPHAS	2	

UT Date 2007-12-16 Observers M CalkinsColl. Focus 1320 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>
0001-0002.DARK	900	00:22	22:18:20.9	+31:28:00	300	90	3.0	#157 IPHAS	2	
0003-0012.BIAS	0	00:39	22:18:20.9	+31:28:00	300	90	3.0	#157 IPHAS	2	
0013.BDp284211	70	01:43	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0014.COMP	12	01:45	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0015.BDp174708	23	01:48	22:11:31.5	+18:05:34	300	56	3.0	#56 Spectropho	2	
0016.BDp174708	23	01:48	22:11:31.5	+18:05:34	300	56	3.0	#56 Spectropho	2	
0017.BDp174708	23	01:49	22:11:31.5	+18:05:34	300	56	3.0	#56 Spectropho	2	
0018.COMP	12	01:50	22:11:31.5	+18:05:34	300	56	3.0	#56 Spectropho	2	
0019.M31	60	01:52	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	
0020.COMP	12	01:54	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	
0021.1ES0033p595	1500	02:02	00:35:52.6	+59:50:05	300	40	3.0	#6 AGN Monitor	2	
0022.COMP	12	02:27	00:35:52.6	+59:50:05	300	40	3.0	#6 AGN Monitor	2	
0023.AK52	120	02:30	01:31:48.9	+18:35:50	300	90	3.0	#141 Mapping t	2	
0024.COMP	12	02:32	01:31:48.9	+18:35:50	300	90	3.0	#141 Mapping t	2	
0025.sn2007qe	1800	02:38	23:54:13.0	+27:24:33	300	68	3.0	#2 SN Observat	2	
0026.COMP	12	03:09	23:54:13.0	+27:24:33	300	68	3.0	#2 SN Observat	2	
0027.kep_w5_221	240	03:20	02:47:37.2	+60:26:39	300	90	3.0	#179 OB Stars	2	
0028.COMP	12	03:26	02:47:37.2	+60:26:39	300	90	3.0	#179 OB Stars	2	
0029.kep_w5_222	120	03:29	02:52:33.4	+60:46:44	300	90	3.0	#179 OB Stars	2	
0030.COMP	12	03:32	02:52:33.4	+60:46:44	300	90	3.0	#179 OB Stars	2	

UT Date 2007-12-16 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0031.kep_w5_223	240	03:34	02:57:04.5	+60:49:19	300	90	3.0	#179 OB Stars	2	
0032.COMP	12	03:39	02:57:04.5	+60:49:19	300	90	3.0	#179 OB Stars	2	
0033.kep_w5_224	240	03:40	02:58:38.6	+60:39:08	300	90	3.0	#179 OB Stars	2	
0034.COMP	12	03:44	02:58:38.6	+60:39:08	300	90	3.0	#179 OB Stars	2	
0035.kep_w5_225	240	03:45	02:58:21.2	+60:33:21	300	90	3.0	#179 OB Stars	2	
0036.COMP	12	03:50	02:58:21.2	+60:33:21	300	90	3.0	#179 OB Stars	2	
0037.kep_w5_226	240	03:51	02:50:48.3	+60:57:46	300	90	3.0	#179 OB Stars	2	
0038.COMP	12	03:55	02:50:48.3	+60:57:46	300	90	3.0	#179 OB Stars	2	
0039.kep_w5_227	240	03:57	02:48:42.0	+60:38:42	300	80	3.0	#179 OB Stars	2	
0040.COMP	12	04:02	02:48:42.0	+60:38:42	300	80	3.0	#179 OB Stars	2	
0041.sn2007pk	1500	04:05	01:31:47.1	+33:36:54	300	85	3.0	#2 SN Observat	2	row=84
0042.COMP	12	04:31	01:31:47.1	+33:36:54	300	85	3.0	#2 SN Observat	2	
0043.sn2007so	1800	04:35	02:47:43.1	+13:15:15	300	0	3.0	#2 SN Observat	2	
0044.COMP	12	05:07	02:47:43.1	+13:15:15	300	0	3.0	#2 SN Observat	2	
0045.Can1r10p6	90	05:13	04:19:53.7	+30:09:54	300	90	3.0	#99 Other	2	
0046.COMP	12	05:15	04:19:53.7	+30:09:54	300	90	3.0	#99 Other	2	
0047.Can2r11p8	15	05:16	04:11:48.1	+29:23:25	300	90	3.0	#99 Other	2	
0048.Can2r11p8	60	05:17	04:11:48.1	+29:23:25	300	90	3.0	#99 Other	2	
0049.Can2r11p8	150	05:19	04:11:48.1	+29:23:25	300	90	3.0	#99 Other	2	
0050.COMP	12	05:22	04:11:48.1	+29:23:25	300	90	3.0	#99 Other	2	



UT Date 2007-12-16 Observers M CalkinsColl. Focus 1320 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>
0051.Can3r11p9	30	05:24	04:22:26.6	+28:29:57	300	90	3.0	#99 Other	2	
0052.Can3r11p9	90	05:26	04:22:26.6	+28:29:57	300	90	3.0	#99 Other	2	
0053.COMP	12	05:29	04:22:26.6	+28:29:57	300	90	3.0	#99 Other	2	
0054.Can4r12p2	60	05:30	04:14:53.5	+27:45:28	300	90	3.0	#99 Other	2	
0055.Can4r12p2	180	05:32	04:14:53.5	+27:45:28	300	90	3.0	#99 Other	2	
0056.COMP	12	05:36	04:14:53.5	+27:45:28	300	90	3.0	#99 Other	2	
0057.Can5r14p5	300	05:37	04:26:43.8	+27:02:44	300	90	3.0	#99 Other	2	
0058.COMP	12	05:43	04:26:43.8	+27:02:44	300	90	3.0	#99 Other	2	
0059.Can6r14p9	600	05:45	04:15:42.8	+29:10:00	300	90	3.0	#99 Other	2	
0060.Can6r14p9	1200	05:57	04:15:42.8	+29:10:00	300	90	3.0	#99 Other	2	
0061.COMP	12	06:18	04:15:42.8	+29:10:00	300	90	3.0	#99 Other	2	
0062.fmfs123	120	06:23	03:39:30.4	-03:01:26	300	97	3.0	#171 Local Uni	2	
0063.COMP	12	06:25	03:39:30.4	-03:01:26	300	97	3.0	#171 Local Uni	2	
0064.fmfs124	600	06:26	03:40:15.1	-02:50:16	300	90	3.0	#171 Local Uni	2	
0065.COMP	12	06:37	03:40:15.1	-02:50:16	300	90	3.0	#171 Local Uni	2	
0066.fmfs125	540	06:38	03:40:22.6	-03:19:09	300	90	3.0	#171 Local Uni	2	
0067.COMP	12	06:48	03:40:22.6	-03:19:09	300	90	3.0	#171 Local Uni	2	
0068.fmfs126	780	06:49	03:40:22.7	-02:34:01	300	90	3.0	#171 Local Uni	2	
0069.COMP	12	07:05	03:40:22.7	-02:34:01	300	90	3.0	#171 Local Uni	2	
0070.fmfs127	780	07:06	03:40:29.3	-02:29:49	300	90	3.0	#171 Local Uni	2	

UT Date 2007-12-16 Observers M CalkinsColl. Focus 1320 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>
0071.COMP	12	07:19	03:40:29.3	-02:29:49	300	90	3.0	#171 Local Uni	2	
0072.fmfs128	300	07:21	03:40:31.0	-02:33:04	300	90	3.0	#171 Local Uni	2	
0073.COMP	12	07:26	03:40:31.0	-02:33:04	300	90	3.0	#171 Local Uni	2	
0074.fmfs129	180	07:27	03:40:42.5	-02:35:02	300	90	3.0	#171 Local Uni	2	
0075.COMP	12	07:34	03:40:42.5	-02:35:02	300	90	3.0	#171 Local Uni	2	
0076.fmfs130	150	07:35	03:40:44.2	-02:40:17	300	90	3.0	#171 Local Uni	2	
0077.COMP	12	07:38	03:40:44.2	-02:40:17	300	90	3.0	#171 Local Uni	2	
0078.fmfs131	600	07:39	03:40:44.6	-02:34:26	300	90	3.0	#171 Local Uni	2	
0079.COMP	12	07:49	03:40:44.6	-02:34:26	300	90	3.0	#171 Local Uni	2	
0080.fmfs132	480	07:50	03:40:54.0	-02:40:32	300	90	3.0	#171 Local Uni	2	
0081.COMP	12	07:59	03:40:54.0	-02:40:32	300	90	3.0	#171 Local Uni	2	
0082.fmfs133	300	08:00	03:40:54.2	-02:42:30	300	90	3.0	#171 Local Uni	2	
0083.COMP	12	08:06	03:40:54.2	-02:42:30	300	90	3.0	#171 Local Uni	2	
0084.fmfs134	300	08:07	03:41:14.1	-02:16:36	300	75	3.0	#171 Local Uni	2	
0085.COMP	12	08:14	03:41:14.1	-02:16:36	300	75	3.0	#171 Local Uni	2	
0086.fmfs135	900	08:15	03:41:18.1	-01:55:50	300	89	3.0	#171 Local Uni	2	
0087.COMP	12	08:31	03:41:18.1	-01:55:50	300	89	3.0	#171 Local Uni	2	
0088.fmfs136	480	08:32	03:41:20.2	-02:58:11	300	89	3.0	#171 Local Uni	2	
0089.COMP	12	08:41	03:41:20.2	-02:58:11	300	89	3.0	#171 Local Uni	2	
0090.fmfs137	420	08:42	03:41:28.2	-02:42:06	300	89	3.0	#171 Local Uni	2	

UT Date 2007-12-16 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.COMP	12	08:50	03:41:28.2	-02:42:06	300	89	3.0	#171 Local Uni	2	
0092.fmfs138	480	08:51	03:41:55.8	-02:28:20	300	89	3.0	#171 Local Uni	2	
0093.COMP	12	09:01	03:41:55.8	-02:28:20	300	89	3.0	#171 Local Uni	2	
0094.fmfs161	360	09:02	04:46:08.2	-16:35:52	300	89	3.0	#171 Local Uni	2	
0095.COMP	12	09:09	04:46:08.2	-16:35:52	300	89	3.0	#171 Local Uni	2	
0096.fmfs162	1200	09:11	04:46:22.6	-15:59:05	300	105	3.0	#171 Local Uni	2	row=81
0097.COMP	12	09:31	04:46:22.6	-15:59:05	300	105	3.0	#171 Local Uni	2	
0098.fmfs163	480	09:33	04:46:28.3	-15:41:26	300	90	3.0	#171 Local Uni	2	
0099.COMP	12	09:41	04:46:28.3	-15:41:26	300	90	3.0	#171 Local Uni	2	
0100.fmfs164	510	09:42	04:46:44.4	-16:15:32	300	90	3.0	#171 Local Uni	2	
0101.COMP	12	09:51	04:46:44.4	-16:15:32	300	90	3.0	#171 Local Uni	2	
0102.IPHAS_B442	1200	09:55	05:50:59.3	+31:17:05	300	85	3.0	#157 IPHAS	2	row=82
0103.COMP	12	10:16	05:50:59.3	+31:17:05	300	85	3.0	#157 IPHAS	2	
0104.IPHAS_B465	1320	10:17	06:32:21.3	+04:46:19	300	90	3.0	#157 IPHAS	2	row=82
0105.COMP	12	10:41	06:32:21.3	+04:46:19	300	90	3.0	#157 IPHAS	2	
0106.sn2007sq	1800	11:01	08:47:16.1	-20:01:28	300	-20	3.0	#2 SN Observat	2	
0107.COMP	12	11:32	08:47:16.1	-20:01:28	300	-20	3.0	#2 SN Observat	2	
0108.3C231	150	11:50	09:55:52.9	+69:40:46	300	65	3.0	#177 3CRR Radi	2	aligned w/galactic axis
0109.COMP	12	11:53	09:55:52.9	+69:40:46	300	65	3.0	#177 3CRR Radi	2	
0110.3C231	180	11:54	09:55:52.9	+69:40:46	300	-25	3.0	#177 3CRR Radi	2	perp to axis

UT Date 2007-12-16 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0111.COMP	12	11:58	09:55:52.9	+69:40:46	300	-25	3.0	#177 3CRR Radi	2	
0112.3C236	780	12:15	10:06:01.7	+34:54:11	300	44	3.0	#177 3CRR Radi	2	
0113.COMP	12	12:29	10:06:01.7	+34:54:11	300	44	3.0	#177 3CRR Radi	2	
0114.3C236	900	12:34	10:06:01.7	+34:54:11	300	-46	3.0	#177 3CRR Radi	2	
0115.COMP	12	12:50	10:06:01.7	+34:54:11	300	-46	3.0	#177 3CRR Radi	2	
0116.09002997-2224422	1200	12:55	09:00:30.0	-22:24:42	300	100	3.0	#141 Mapping t	2	row=80
0117.COMP	12	13:15	09:00:30.0	-22:24:42	300	100	3.0	#141 Mapping t	2	
0118.HD84937	15	13:18	09:48:54.9	+13:45:14	300	49	3.0	#56 Spectropho	2	
0119.HD84937	15	13:19	09:48:54.9	+13:45:14	300	49	3.0	#56 Spectropho	2	
0120.HD84937	15	13:19	09:48:54.9	+13:45:14	300	49	3.0	#56 Spectropho	2	
0121.COMP	12	13:20	09:48:54.9	+13:45:14	300	49	3.0	#56 Spectropho	2	
0122.Feige34	70	13:27	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0123.COMP	12	13:30	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0124-0133.BIAS	0	13:40	10:39:36.9	+43:06:11	300	90	3.0	#177 3CRR Radi	2	
0134-0173.FLAT	25	14:05	10:39:36.9	+43:06:11	300	90	3.0	#177 3CRR Radi	2	
0174-0175.DARK	900	14:23	10:39:36.9	+43:06:11	300	90	3.0	#177 3CRR Radi	2	
0176-0189.DARK	900	18:11	13:06:41.1	+31:33:22	300	90	3.0	#177 3CRR Radi	2	

UT Date 2007-12-17 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0004.DARK	900	00:32	13:06:41.1	+31:33:22	300	90	3.0	#177 3CRR Radi	2	
0005-0014.BIAS	0	01:14	13:06:41.1	+31:33:22	300	90	3.0	#177 3CRR Radi	2	
0015-0034.FLAT	25	01:27	13:06:41.1	+31:33:22	300	90	3.0	#177 3CRR Radi	2	
0035.BDp284211	240	01:35	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	working through clouds
0036.COMP	12	01:40	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0037.BDp174708	45	01:41	22:11:31.5	+18:05:34	300	55	3.0	#56 Spectropho	2	
0038.COMP	12	01:43	22:11:31.5	+18:05:34	300	55	3.0	#56 Spectropho	2	
0039.BDp174708	100	01:43	22:11:31.5	+18:05:34	300	55	3.0	#56 Spectropho	2	
0040.COMP	12	01:46	22:11:31.5	+18:05:34	300	55	3.0	#56 Spectropho	2	
0041.PUVu1	10	01:52	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0042.PUVu1	60	01:53	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0043.PUVu1	240	01:54	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0044.COMP	12	01:59	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0045.ZAnd	5	02:01	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0046.ZAnd	12	02:02	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0047.ZAnd	45	02:02	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0048.ZAnd	80	02:04	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0049.COMP	12	02:06	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0050.Akn564	600	02:10	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0051.COMP	12	02:23	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	

UT Date 2007-12-17 Observers M CalkinsColl. Focus 1320 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>
0052.EGAnd	1	04:32	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0053.EGAnd	8	04:33	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0054.EGAnd	45	04:34	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0055.COMP	12	04:35	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0056.AXPer	15	04:37	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0057.AXPer	40	04:38	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0058.AXPer	90	04:39	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0059.COMP	12	04:41	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0060.GITau	480	04:43	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0061.COMP	12	04:51	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0062.GKTau	600	04:52	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0063.COMP	12	05:03	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0064.sn2007gr	1200	08:13	02:43:28.0	+37:20:45	300	82	3.0	#2 SN Observat	2	clearing
0065.COMP	12	08:33	02:43:28.0	+37:20:45	300	82	3.0	#2 SN Observat	2	
0066.XS06111B6_002	120	08:36	07:43:42.1	+39:36:53	300	90	3.0	#129 Champ Sou	2	
0067.COMP	12	08:38	07:43:42.1	+39:36:53	300	90	3.0	#129 Champ Sou	2	
0068.XS03561B6_004	180	08:40	07:46:58.8	+27:46:12	300	90	3.0	#129 Champ Sou	2	
0069.COMP	12	08:48	07:46:58.8	+27:46:12	300	90	3.0	#129 Champ Sou	2	
0070.XS04118B8_002	360	08:50	07:59:28.6	+30:22:30	300	90	3.0	#129 Champ Sou	2	
0071.COMP	12	08:56	07:59:28.6	+30:22:30	300	90	3.0	#129 Champ Sou	2	

UT Date 2007-12-17 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.XS03194B8_003	360	08:58	08:00:47.7	+35:56:15	300	90	3.0	#129 Champ Sou	2	
0073.COMP	12	09:04	08:00:47.7	+35:56:15	300	90	3.0	#129 Champ Sou	2	
0074.XS05626B8_001	420	09:06	08:04:21.3	+10:06:11	300	90	3.0	#129 Champ Sou	2	
0075.COMP	12	09:14	08:04:21.3	+10:06:11	300	90	3.0	#129 Champ Sou	2	
0076.XS05626B7_002	1800	09:15	08:04:48.0	+10:15:24	300	90	3.0	#129 Champ Sou	2	
0077.COMP	12	09:46	08:04:48.0	+10:15:24	300	90	3.0	#129 Champ Sou	2	
0078.XS05626B7_001	150	09:49	08:04:52.7	+10:15:38	300	90	3.0	#129 Champ Sou	2	
0079.COMP	12	09:52	08:04:52.7	+10:15:38	300	90	3.0	#129 Champ Sou	2	
0080.XS05626B5_003	0	09:53	08:05:00.9	+10:30:00	300	90	3.0	#129 Champ Sou	2	
0081.COMP	12	09:54	08:05:00.9	+10:30:00	300	90	3.0	#129 Champ Sou	2	
0082.XS05626B7_005	15	09:55	08:05:02.4	+10:15:44	300	90	3.0	#129 Champ Sou	2	
0083.COMP	12	09:56	08:05:02.4	+10:15:44	300	90	3.0	#129 Champ Sou	2	
0084.XS03785B2_014	300	09:57	08:07:25.1	+21:15:44	300	90	3.0	#129 Champ Sou	2	
0085.COMP	12	10:03	08:07:25.1	+21:15:44	300	90	3.0	#129 Champ Sou	2	
0086.XS03785B3_007	1200	10:05	08:07:31.2	+21:13:13	300	90	3.0	#129 Champ Sou	2	
0087.COMP	12	10:25	08:07:31.2	+21:13:13	300	90	3.0	#129 Champ Sou	2	
0088.XS03785B2_003	90	10:27	08:07:43.9	+21:17:00	300	90	3.0	#129 Champ Sou	2	
0089.COMP	12	10:29	08:07:43.9	+21:17:00	300	90	3.0	#129 Champ Sou	2	
0090.XS03785B3_012	1500	10:30	08:07:44.5	+21:09:47	300	90	3.0	#129 Champ Sou	2	
0091.COMP	12	10:55	08:07:44.5	+21:09:47	300	90	3.0	#129 Champ Sou	2	

UT Date 2007-12-17 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0092.XS03785B1_001	15	10:57	08:08:13.5	+21:06:08	300	90	3.0	#129 Champ Sou	2	
0093.COMP	12	10:58	08:08:13.5	+21:06:08	300	90	3.0	#129 Champ Sou	2	
0094.XS03064B7_003	60	10:59	08:14:25.5	+51:46:34	300	90	3.0	#129 Champ Sou	2	
0095.COMP	12	11:01	08:14:25.5	+51:46:34	300	90	3.0	#129 Champ Sou	2	
0096.XS03436B3_008	900	11:02	08:15:12.1	+36:43:36	300	90	3.0	#129 Champ Sou	2	
0097.COMP	12	11:18	08:15:12.1	+36:43:36	300	90	3.0	#129 Champ Sou	2	
0098.cirrfastb143	1500	11:23	11:08:23.1	+39:48:52	300	90	3.0	#172 SDSS Clus	2	
0099.COMP	12	11:49	11:08:23.1	+39:48:52	300	90	3.0	#172 SDSS Clus	2	
0100.cirrfastb159	1320	11:50	11:11:40.1	+39:50:28	300	90	3.0	#172 SDSS Clus	2	
0101.COMP	12	12:13	11:11:40.1	+39:50:28	300	90	3.0	#172 SDSS Clus	2	
0102.cirrfastb162	720	12:14	11:11:55.0	+39:57:51	300	90	3.0	#172 SDSS Clus	2	row=84
0103.COMP	12	12:26	11:11:55.0	+39:57:51	300	90	3.0	#172 SDSS Clus	2	
0104.cirrfastb163	780	12:27	11:12:04.7	+39:50:49	300	90	3.0	#172 SDSS Clus	2	
0105.COMP	12	12:41	11:12:04.7	+39:50:49	300	90	3.0	#172 SDSS Clus	2	
0106.cirrfastb164	600	12:42	11:12:05.0	+39:36:08	300	90	3.0	#172 SDSS Clus	2	
0107.COMP	12	12:53	11:12:05.0	+39:36:08	300	90	3.0	#172 SDSS Clus	2	
0108.cirrfastb165	780	12:54	11:12:09.4	+39:42:34	300	90	3.0	#172 SDSS Clus	2	
0109.COMP	12	13:07	11:12:09.4	+39:42:34	300	90	3.0	#172 SDSS Clus	2	
0110.cirrfastb166	540	13:08	11:12:12.8	+39:49:56	300	90	3.0	#172 SDSS Clus	2	
0111.COMP	12	13:18	11:12:12.8	+39:49:56	300	90	3.0	#172 SDSS Clus	2	



UT Date 2007-12-17 Observers M CalkinsColl. Focus 1320 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>
0112.HD84937	15	13:20	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0113.COMP	12	13:21	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0114.HD84937	8	13:22	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0115.COMP	12	13:23	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0116.Feige34	75	13:25	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0117.COMP	12	13:26	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0118-0127.BIAS	0	13:30	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	
0128-0147.FLAT	25	13:42	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	
0148-0162.DARK	900	17:19	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	

UT Date 2007-12-18 Observers M CalkinsColl. Focus 1320 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.DARK	900	23:45	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	4	no binby 4 tonight...!
0002-0003.DARK	900	00:16	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	4	
0004-0013.BIAS	0	00:39	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	
0014-0048.FLAT	25	01:03	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	
00481140+6927103	1500	04:15	00:48:11.4	+69:27:10	300	40	3.0	#141 Mapping t	2	
0049-0053.FLAT	25	01:06	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	
0054.BDp284211	70	01:24	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0055.BDp284211	70	01:25	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0056.COMP	12	01:27	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0057.BDp174708	24	01:30	22:11:31.5	+18:05:34	300	55	3.0	#56 Spectropho	2	
0058.BDp174708	24	01:30	22:11:31.5	+18:05:34	300	55	3.0	#56 Spectropho	2	
0059.BDp174708	24	01:31	22:11:31.5	+18:05:34	300	55	3.0	#56 Spectropho	2	
0060.COMP	12	01:32	22:11:31.5	+18:05:34	300	55	3.0	#56 Spectropho	2	
0061.BFCyg	2	01:35	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0062.BFCyg	60	01:35	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0063.COMP	12	01:37	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0064.CHCyg	1	01:39	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0065.CHCyg	5	01:39	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0066.CHCyg	30	01:40	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0067.COMP	12	01:41	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	

UT Date 2007-12-18 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.AS338	30	01:44	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	row=83
0069.AS338	90	01:45	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0070.AS338	240	01:47	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0071.COMP	12	01:52	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0072.AS360	60	02:00	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0073.AS360	300	02:01	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	row=81
0074.COMP	12	02:07	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0075.CICyg	2	02:09	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0076.CICyg	20	02:10	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0077.CICyg	60	02:11	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0078.COMP	12	02:12	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0079.RAqr	1	02:18	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0080.RAqr	0	02:18	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0081.RAqr	5	02:19	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0082.RAqr	10	02:20	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0083.COMP	12	02:20	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0084.M31	60	02:22	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	
0085.COMP	12	02:31	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	
0086.sn2007le	1500	02:35	23:38:48.4	-06:31:21	300	24	3.0	#2 SN Observat	2	
0087.COMP	12	03:01	23:38:48.4	-06:31:21	300	24	3.0	#2 SN Observat	2	

UT Date 2007-12-18 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

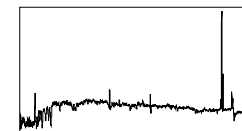
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.sn2007qe	1800	03:07	23:54:13.0	+27:24:33	300	73	3.0	#2 SN Observat	2	
0089.COMP	12	03:37	23:54:13.0	+27:24:33	300	73	3.0	#2 SN Observat	2	
0090.sn2007rx	1500	03:40	23:40:11.7	+27:25:17	300	74	3.0	#2 SN Observat	2	
0091.COMP	12	04:06	23:40:11.7	+27:25:17	300	74	3.0	#2 SN Observat	2	
0092.00481140+6927103	1800	04:47	00:48:11.4	+69:27:10	300	110	3.0	#141 Mapping t	2	redo, row=84
0093.COMP	12	05:18	00:48:11.4	+69:27:10	300	110	3.0	#141 Mapping t	2	
0094.kep_w5_228	210	05:29	02:48:10.5	+60:40:46	300	90	3.0	#179 OB Stars	2	
0095.COMP	12	05:33	02:48:10.5	+60:40:46	300	90	3.0	#179 OB Stars	2	
0096.kep_w5_229	210	05:36	02:57:46.8	+60:33:13	300	81	3.0	#179 OB Stars	2	
0097.COMP	12	05:40	02:57:46.8	+60:33:13	300	81	3.0	#179 OB Stars	2	
0098.kep_w5_230	210	05:41	02:53:43.4	+61:05:22	300	90	3.0	#179 OB Stars	2	
0099.COMP	12	05:45	02:53:43.4	+61:05:22	300	90	3.0	#179 OB Stars	2	
0100.kep_w5_231	210	05:46	02:53:23.7	+60:58:43	300	90	3.0	#179 OB Stars	2	
0101.COMP	12	05:50	02:53:23.7	+60:58:43	300	90	3.0	#179 OB Stars	2	
0102.kep_w5_232	210	05:51	02:53:03.5	+61:00:24	300	90	3.0	#179 OB Stars	2	
0103.COMP	12	05:55	02:53:03.5	+61:00:24	300	90	3.0	#179 OB Stars	2	
0104.kep_w5_233	210	05:56	02:47:08.7	+60:26:40	300	90	3.0	#179 OB Stars	2	
0105.COMP	12	06:00	02:47:08.7	+60:26:40	300	90	3.0	#179 OB Stars	2	
0106.kep_w5_234	210	06:02	02:50:26.8	+60:37:24	300	90	3.0	#179 OB Stars	2	
0107.COMP	12	06:06	02:50:26.8	+60:37:24	300	90	3.0	#179 OB Stars	2	

UT Date 2007-12-18 Observers M CalkinsColl. Focus 1320 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>
0108.kep_w5_235	210	06:07	02:52:08.3	+60:25:06	300	90	3.0	#179 OB Stars	2	
0109.COMP	12	06:11	02:52:08.3	+60:25:06	300	90	3.0	#179 OB Stars	2	
0110.kep_w5_236	210	06:12	02:48:42.0	+60:38:42	300	80	3.0	#179 OB Stars	2	
0111.COMP	12	06:16	02:48:42.0	+60:38:42	300	80	3.0	#179 OB Stars	2	
0112.kep_w5_237	210	06:17	02:50:55.0	+60:29:18	300	90	3.0	#179 OB Stars	2	
0113.COMP	12	06:21	02:50:55.0	+60:29:18	300	90	3.0	#179 OB Stars	2	
0114.kep_w5_238	210	06:22	02:58:32.0	+60:55:24	300	90	3.0	#179 OB Stars	2	
0115.COMP	12	06:26	02:58:32.0	+60:55:24	300	90	3.0	#179 OB Stars	2	
0116.kep_w5_239	210	06:27	02:46:05.1	+60:29:39	300	90	3.0	#179 OB Stars	2	
0117.COMP	12	06:31	02:46:05.1	+60:29:39	300	90	3.0	#179 OB Stars	2	
0118.kep_w5_240	210	06:32	02:48:08.9	+60:41:39	300	90	3.0	#179 OB Stars	2	
0119.COMP	12	06:36	02:48:08.9	+60:41:39	300	90	3.0	#179 OB Stars	2	
0120.kep_w5_241	210	06:37	02:57:44.3	+60:38:42	300	40	3.0	#179 OB Stars	2	
0121.COMP	12	06:41	02:57:44.3	+60:38:42	300	40	3.0	#179 OB Stars	2	
0122.kep_w5_242	240	06:42	02:52:33.4	+60:46:44	300	90	3.0	#179 OB Stars	2	
0123.COMP	12	06:47	02:52:33.4	+60:46:44	300	90	3.0	#179 OB Stars	2	
0124.kep_w5_243	240	06:51	02:56:33.0	+60:36:50	300	90	3.0	#179 OB Stars	2	
0125.COMP	12	06:55	02:56:33.0	+60:36:50	300	90	3.0	#179 OB Stars	2	
0126.kep_w5_244	240	06:56	02:51:53.9	+60:55:18	300	90	3.0	#179 OB Stars	2	
0127.COMP	12	07:01	02:51:53.9	+60:55:18	300	90	3.0	#179 OB Stars	2	

UT Date 2007-12-18 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0128.kep_w5_245	240	07:02	02:50:49.1	+60:53:40	300	90	3.0	#179 OB Stars	2	
0129.COMP	12	07:06	02:50:49.1	+60:53:40	300	90	3.0	#179 OB Stars	2	
0130.kep_w5_246	210	07:07	02:54:11.7	+60:49:36	300	90	3.0	#179 OB Stars	2	
0131.COMP	12	07:11	02:54:11.7	+60:49:36	300	90	3.0	#179 OB Stars	2	
0132.kep_w5_247	240	07:12	02:51:02.8	+60:27:38	300	90	3.0	#179 OB Stars	2	
0133.COMP	12	07:17	02:51:02.8	+60:27:38	300	90	3.0	#179 OB Stars	2	
0134.kep_w5_248	240	07:18	02:53:50.7	+60:39:44	300	90	3.0	#179 OB Stars	2	
0135.COMP	12	07:22	02:53:50.7	+60:39:44	300	90	3.0	#179 OB Stars	2	
0136.kep_w5_249	240	07:23	02:53:12.8	+60:33:08	300	90	3.0	#179 OB Stars	2	
0137.COMP	12	07:28	02:53:12.8	+60:33:08	300	90	3.0	#179 OB Stars	2	
0138.kep_w5_250	240	07:29	02:48:04.2	+60:46:43	300	90	3.0	#179 OB Stars	2	
0139.COMP	12	07:33	02:48:04.2	+60:46:43	300	90	3.0	#179 OB Stars	2	
0140.kep_w5_251	240	07:34	02:54:23.1	+60:44:20	300	90	3.0	#179 OB Stars	2	
0141.COMP	12	07:39	02:54:23.1	+60:44:20	300	90	3.0	#179 OB Stars	2	
0142.BGGem	420	07:43	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0143.COMP	12	07:50	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0144.IPHAS_B475	1200	07:54	06:36:13.7	+05:11:08	300	90	3.0	#157 IPHAS	2	
0145.COMP	12	08:15	06:36:13.7	+05:11:08	300	90	3.0	#157 IPHAS	2	
0146.IPHAS_B476	720	08:17	06:36:25.9	+02:16:17	300	90	3.0	#157 IPHAS	2	row=82
0147.COMP	12	08:30	06:36:25.9	+02:16:17	300	90	3.0	#157 IPHAS	2	

UT Date 2007-12-18 Observers M CalkinsColl. Focus 1320 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>
0148.IPHAS_B477	1500	08:35	06:36:42.9	+05:37:37	300	90	3.0	#157 IPHAS	2	
0149.COMP	12	09:00	06:36:42.9	+05:37:37	300	90	3.0	#157 IPHAS	2	
0150.IPHAS_B478	540	09:02	06:36:47.6	+07:00:16	300	90	3.0	#157 IPHAS	2	
0151.COMP	12	09:11	06:36:47.6	+07:00:16	300	90	3.0	#157 IPHAS	2	
0152.IPHAS_B480	840	09:13	06:37:01.7	+02:10:47	300	90	3.0	#157 IPHAS	2	
0153.COMP	12	09:27	06:37:01.7	+02:10:47	300	90	3.0	#157 IPHAS	2	
0154.IPHAS_B481	90	09:29	06:38:41.6	+00:44:35	300	85	3.0	#157 IPHAS	2	
0155.COMP	12	09:31	06:38:41.6	+00:44:35	300	85	3.0	#157 IPHAS	2	
0156.IPHAS_B482	1800	09:41	06:38:49.8	+06:23:35	300	90	3.0	#157 IPHAS	2	
0157.COMP	12	10:12	06:38:49.8	+06:23:35	300	90	3.0	#157 IPHAS	2	
0158.IPHAS_B483	240	10:15	06:38:54.5	+00:34:19	300	90	3.0	#157 IPHAS	2	
0159.COMP	12	10:20	06:38:54.5	+00:34:19	300	90	3.0	#157 IPHAS	2	
0160.IPHAS_B484	180	10:22	06:38:46.2	+03:43:25	300	90	3.0	#157 IPHAS	2	
0161.COMP	12	10:26	06:38:46.2	+03:43:25	300	90	3.0	#157 IPHAS	2	
0162.SS129	10	10:29	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0163.SS129	40	10:30	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0164.SS129	300	10:31	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0165.COMP	12	10:37	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0166.BXMon	15	10:39	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0167.BXMon	180	10:40	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	

UT Date 2007-12-18 Observers M CalkinsColl. Focus 1320 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>
0168.COMP	12	10:45	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0169.IPHAS_B485	180	10:47	06:39:47.3	+04:28:01	300	90	3.0	#157 IPHAS	2	
0170.COMP	12	10:51	06:39:47.3	+04:28:01	300	90	3.0	#157 IPHAS	2	
0171.IPHAS_B486	900	10:53	06:39:03.2	+02:04:48	300	105	3.0	#157 IPHAS	2	
0172.COMP	12	11:08	06:39:03.2	+02:04:48	300	105	3.0	#157 IPHAS	2	
0173.IPHAS_B468	660	11:10	06:33:32.4	+04:57:49	300	90	3.0	#157 IPHAS	2	
0174.COMP	12	11:22	06:33:32.4	+04:57:49	300	90	3.0	#157 IPHAS	2	
0175.cirsfastb169	1500	11:25	11:12:24.6	+39:36:52	300	90	3.0	#172 SDSS Clus	2	
0176.COMP	12	11:51	11:12:24.6	+39:36:52	300	90	3.0	#172 SDSS Clus	2	
0177.cirsfastb170	360	11:53	11:12:29.7	+39:47:46	300	90	3.0	#172 SDSS Clus	2	
0178.COMP	12	11:59	11:12:29.7	+39:47:46	300	90	3.0	#172 SDSS Clus	2	
0179.cirsfastb171	390	12:00	11:12:45.8	+39:29:30	300	90	3.0	#172 SDSS Clus	2	
0180.COMP	12	12:07	11:12:45.8	+39:29:30	300	90	3.0	#172 SDSS Clus	2	
0181.cirsfastb173	540	12:08	11:13:07.8	+39:34:43	300	90	3.0	#172 SDSS Clus	2	
0182.COMP	12	12:18	11:13:07.8	+39:34:43	300	90	3.0	#172 SDSS Clus	2	
0183.cirsfastb174	480	12:19	11:13:11.1	+39:49:11	300	90	3.0	#172 SDSS Clus	2	
0184.COMP	12	12:27	11:13:11.1	+39:49:11	300	90	3.0	#172 SDSS Clus	2	
0185.cirsfastb177	360	12:29	11:13:40.8	+39:32:25	300	90	3.0	#172 SDSS Clus	2	
0186.COMP	12	12:35	11:13:40.8	+39:32:25	300	90	3.0	#172 SDSS Clus	2	
0187.cirsfastb178	540	12:36	11:13:42.4	+40:02:10	300	90	3.0	#172 SDSS Clus	2	



UT Date 2007-12-18 Observers M CalkinsColl. Focus 1320 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>
0188.COMP	12	12:46	11:13:42.4	+40:02:10	300	90	3.0	#172 SDSS Clus	2	
0189.cirsfastb179	600	12:47	11:13:54.4	+39:55:09	300	90	3.0	#172 SDSS Clus	2	
0190.COMP	12	12:58	11:13:54.4	+39:55:09	300	90	3.0	#172 SDSS Clus	2	
0191.cirsfastb181	360	12:59	11:14:09.0	+40:50:54	300	90	3.0	#172 SDSS Clus	2	
0192.COMP	12	13:05	11:14:09.0	+40:50:54	300	90	3.0	#172 SDSS Clus	2	
0193.TXCVn	10	13:08	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0194.TXCVn	30	13:08	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0195.COMP	12	13:09	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0196.Feige34	70	13:12	10:39:36.9	+43:06:11	300	-40	3.0	#56 Spectropho	2	
0197.COMP	12	13:14	10:39:36.9	+43:06:11	300	-40	3.0	#56 Spectropho	2	
0198.Feige34	70	13:15	10:39:36.9	+43:06:11	300	-40	3.0	#56 Spectropho	2	
0199.COMP	12	13:16	10:39:36.9	+43:06:11	300	-40	3.0	#56 Spectropho	2	
0200.Feige34	90	13:17	10:39:36.9	+43:06:11	300	-40	3.0	#56 Spectropho	2	
0201.COMP	12	13:19	10:39:36.9	+43:06:11	300	-40	3.0	#56 Spectropho	2	
0202.HD84937	7	13:22	09:48:54.9	+13:45:14	300	51	3.0	#56 Spectropho	2	
0203.HD84937	7	13:22	09:48:54.9	+13:45:14	300	51	3.0	#56 Spectropho	2	
0204.HD84937	7	13:22	09:48:54.9	+13:45:14	300	51	3.0	#56 Spectropho	2	
0205.COMP	12	13:23	09:48:54.9	+13:45:14	300	51	3.0	#56 Spectropho	2	
0206-0215.BIAS	0	13:27	09:48:54.9	+13:45:14	300	90	3.0	#179 OB Stars	2	
0216-0235.FLAT	25	13:39	09:48:54.9	+13:45:14	300	90	3.0	#179 OB Stars	2	



UT Date 2007-12-18 Observers M Calkins

Coll. Focus 1320 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>
0236-0245.DARK	900	15:59	09:48:54.9	+13:45:14	300	90	3.0	#179 OB Stars	2	

UT Date 2007-12-29 Observers P BerlindColl. Focus 1320 Grating/Grism 300

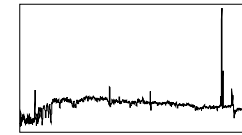
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	23:42	22:45:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	start of FAST run
0002-0010.BIAS	0	23:43	22:45:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0011-0025.FLAT	25	23:53	22:45:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0026.DARK	900	00:04	22:45:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0027-0031.sky	3	00:42	23:45:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0032.COMP	10	00:43	23:45:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0033.ZAnd	5	01:17	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	60-inch optics continue to be in horrific alignment
0034.ZAnd	2	01:18	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0035.ZAnd	15	01:18	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0036.ZAnd	45	01:19	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0037.COMP	10	01:20	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	ugly psfs
0038.BDp174708	45	01:24	22:11:31.5	+18:05:34	300	63	3.0	#56 Spectropho	2	
0039.BDp174708	45	01:25	22:11:31.5	+18:05:34	300	63	3.0	#56 Spectropho	2	
0040.BDp174708	45	01:27	22:11:31.5	+18:05:34	300	63	3.0	#56 Spectropho	2	
0041.COMP	10	01:28	22:11:31.5	+18:05:34	300	63	3.0	#56 Spectropho	2	
0042.BDp284211	120	01:30	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0043.BDp284211	120	01:32	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0044.COMP	10	01:35	21:51:11.1	+28:51:53	300	76	3.0	#56 Spectropho	2	
0045.RAqr	1	01:38	23:43:49.0	-15:17:05	300	20	3.0	#12 Symbiotic	2	
0046.RAqr	1	01:39	23:43:49.0	-15:17:05	300	20	3.0	#12 Symbiotic	2	

UT Date 2007-12-29 Observers P BerlindColl. Focus 1320 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>
0047.RAqr	5	01:39	23:43:49.0	-15:17:05	300	20	3.0	#12 Symbiotic	2	
0048.COMP	10	01:40	23:43:49.0	-15:17:05	300	20	3.0	#12 Symbiotic	2	
0049.AGPeg	5	01:41	21:51:02.0	+12:37:33	300	20	3.0	#12 Symbiotic	2	just checking
0050.AGPeg	45	01:42	21:51:02.0	+12:37:33	300	20	3.0	#12 Symbiotic	2	
0051.COMP	10	01:43	21:51:02.0	+12:37:33	300	20	3.0	#12 Symbiotic	2	
0052.sn2007su	1500	01:49	22:19:08.9	+13:10:40	300	60	3.0	#2 SN Observat	2	ok, clouds moving in
0053.COMP	10	02:15	22:19:08.9	+13:10:40	300	60	3.0	#2 SN Observat	2	
0054.XS05750B6_010	30	02:18	23:19:56.4	+00:34:19	300	60	3.0	#129 ChaMP Sou	2	PI is Green, not Kirshner
0055.COMP	10	02:19	23:19:56.4	+00:34:19	300	60	3.0	#129 ChaMP Sou	2	
0056.XS05750B7_009	180	02:20	23:19:43.9	+00:35:05	300	45	3.0	#129 ChaMP Sou	2	ok
0057.COMP	10	02:23	23:19:43.9	+00:35:05	300	45	3.0	#129 ChaMP Sou	2	
0058.XS05750B7_002	720	02:24	23:20:05.8	+00:36:30	300	45	3.0	#129 ChaMP Sou	2	
0059.COMP	10	02:37	23:20:05.8	+00:36:30	300	45	3.0	#129 ChaMP Sou	2	
0060.N7331	120	02:40	22:37:04.3	+34:24:58	300	89	3.0	#57 Velocity S	2	
0061.COMP	10	02:42	22:37:04.3	+34:24:58	300	89	3.0	#57 Velocity S	2	
0062.EGAnd	1	02:45	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0063.EGAnd	5	02:45	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0064.EGAnd	10	02:45	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0065.COMP	10	02:46	00:44:37.0	+40:40:47	300	89	3.0	#57 Velocity S	2	
0066.163m217	360	02:47	00:43:18.0	+41:27:45	300	89	3.0	#57 Velocity S	2	

UT Date 2007-12-29 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	02:53	00:43:18.0	+41:27:45	300	89	3.0	#57 Velocity S	2	
0068.AXPer	4	02:55	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0069.AXPer	30	02:55	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0070.AXPer	90	02:56	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0071.COMP	10	02:58	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0072.sn2007qe	1	03:02	23:54:13.0	+27:24:33	300	73	3.0	#2 SN Observat	2	
0073.sn2007qe	1445	03:03	23:54:13.0	+27:24:33	300	73	3.0	#2 SN Observat	2	stopped short by clouds
0074.COMP	10	03:27	23:54:13.0	+27:24:33	300	73	3.0	#2 SN Observat	2	
0075.HD18352	5	03:34	02:59:47.4	+61:17:24	300	0	3.0	#179 OB Stars	2	
0076.COMP	10	03:35	02:59:47.4	+61:17:24	300	0	3.0	#179 OB Stars	2	
0077.BD59546	45	03:36	02:48:49.4	+60:09:20	300	0	3.0	#179 OB Stars	2	
0078.COMP	10	03:37	02:48:49.4	+60:09:20	300	0	3.0	#179 OB Stars	2	
0079.kep_w5_252	249	03:38	02:56:27.0	+60:54:29	300	0	3.0	#179 OB Stars	2	
0080.COMP	10	03:42	02:56:27.0	+60:54:29	300	0	3.0	#179 OB Stars	2	
0081.kep_w5_253	300	03:43	02:53:03.8	+61:02:21	300	0	3.0	#179 OB Stars	2	redo, stopped by clouds
0082.COMP	10	03:49	02:53:03.8	+61:02:21	300	0	3.0	#179 OB Stars	2	
0083.kep_w5_253	400	05:08	02:53:03.8	+61:02:21	300	0	3.0	#179 OB Stars	2	
0084.COMP	10	05:15	02:53:03.8	+61:02:21	300	0	3.0	#179 OB Stars	2	
0086.HD19445	20	05:22	03:08:26.3	+26:20:29	300	70	3.0	#56 Spectropho	2	
0087.HD19445	90	05:22	03:08:26.3	+26:20:29	300	70	3.0	#56 Spectropho	2	

UT Date 2007-12-29 Observers P BerlindColl. Focus 1320 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>
0088.HD19445	60	05:24	03:08:26.3	+26:20:29	300	70	3.0	#56 Spectropho	2	
0089.HD19445	120	05:26	03:08:26.3	+26:20:29	300	70	3.0	#56 Spectropho	2	
0090.COMP	10	05:29	03:08:26.3	+26:20:29	300	70	3.0	#56 Spectropho	2	
0091.GITau	240	06:09	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0092.COMP	10	06:14	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0093.GKTau	240	06:14	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0094.COMP	10	06:19	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0095.BGGem	480	06:21	06:03:31.0	+27:41:50	300	70	3.0	#12 Symbiotic	2	
0096.COMP	10	06:30	06:03:31.0	+27:41:50	300	70	3.0	#12 Symbiotic	2	
0098.COMP	10	06:37	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0099.COMP	10	06:40	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0100.COMP	10	06:41	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0101-0110.BIAS	0	06:44	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0111.pg0808p595	1200	06:45	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	600-line, 2-sec, 440, Warren
0112.COMP	10	07:05	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0113.pg0808p595	1200	07:06	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0114.COMP	10	07:26	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0115.pg0808p595	1200	07:27	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0116.COMP	10	07:49	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0117.pg0834p501	720	07:51	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	

UT Date 2007-12-29 Observers P BerlindColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.COMP	10	08:03	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0119.pg0808p595	1200	08:04	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0120.COMP	10	08:25	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0121.pg0808p595	1200	08:25	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0122.COMP	10	08:46	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0123.pg0834p501	720	08:47	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0124.COMP	10	08:59	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0125.pg0834p501	720	09:00	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0126.COMP	10	09:12	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0127.pg0808p595	1200	09:13	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0128.COMP	10	09:34	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0129.pg0834p501	720	09:35	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0130.COMP	10	09:47	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0131.pg0834p501	720	09:48	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0132.COMP	10	10:00	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0133.pg0834p501	720	10:01	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0134.COMP	10	10:13	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0135.pg0846p249	1800	10:19	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0136.COMP	10	10:50	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0137.pg0943p441	180	10:52	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	

UT Date 2007-12-29 Observers P BerlindColl. Focus 1320 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>
0138.COMP	10	10:56	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0139.pg1101p364	480	10:58	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0140.COMP	10	11:06	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0141.chss2335	360	11:07	12:40:38.3	+51:16:00	600	90	2.0	#178 Very Low	4	
0142.COMP	10	11:14	12:40:38.3	+51:16:00	600	90	2.0	#178 Very Low	4	
0143.chss2335	360	11:14	12:40:38.3	+51:16:00	600	90	2.0	#178 Very Low	4	
0144.COMP	10	11:21	12:40:38.3	+51:16:00	600	90	2.0	#178 Very Low	4	
0145.chss2335	360	11:21	12:40:38.3	+51:16:00	600	90	2.0	#178 Very Low	4	
0146.COMP	10	11:28	12:40:38.3	+51:16:00	600	90	2.0	#178 Very Low	4	
0147-0156.FLAT	45	11:37	10:45:00.0	+32:00:00	600	90	2.0	#178 Very Low	4	
0157.test	10	11:41	10:45:00.0	+32:00:00	300	90	3.0	#178 Very Low	2	
0158.test	10	11:42	10:45:00.0	+32:00:00	300	90	3.0	#178 Very Low	2	
0159.test	10	11:43	10:45:00.0	+32:00:00	300	90	3.0	#178 Very Low	2	
0160.Feige34	150	11:45	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0161.Feige34	150	11:48	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0162.COMP	10	11:51	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0163.sn2007sv	1301	11:59	10:52:40.1	+67:59:14	300	-5	3.0	#2 SN Observat	2	stopped by clouds
0164.COMP	10	12:21	10:52:40.1	+67:59:14	300	-5	3.0	#2 SN Observat	2	
0165.TXCVn	30	12:25	12:44:42.0	+36:45:48	300	-5	3.0	#12 Symbiotic	2	
0166.TXCVn	30	12:25	12:44:42.0	+36:45:48	300	-5	3.0	#12 Symbiotic	2	



UT Date 2007-12-29 Observers P BerlindColl. Focus 1320 Grating/Grism 300

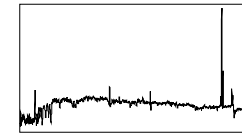
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0167.TXCVn	90	12:26	12:44:42.0	+36:45:48	300	-5	3.0	#12 Symbiotic	2	
0168.COMP	10	12:28	12:44:42.0	+36:45:48	300	-5	3.0	#12 Symbiotic	2	
0169.sn2007sr	780	12:38	12:01:52.8	-18:58:22	300	-5	3.0	#2 SN Observat	2	clouds
0170.COMP	10	12:52	12:01:52.8	-18:58:22	300	-5	3.0	#2 SN Observat	2	
0171-0180.BIAS	0	12:56	12:01:52.8	-18:58:22	300	65	3.0	#56 Spectropho	2	
0181-0195.FLAT	25	13:05	12:01:52.8	-18:58:22	300	65	3.0	#56 Spectropho	2	
0196-0200.DARK	900	14:18	12:01:52.8	-18:58:22	300	90	3.0	#56 Spectropho	2	

UT Date 2007-12-30 Observers P BerlindColl. Focus 1260 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0005.DARK	900	23:29	12:01:52.8	-18:58:22	300	90	3.0	#56 Spectropho	2	
0006-0015.BIAS	0	00:04	12:01:52.8	-18:58:22	300	90	3.0	#56 Spectropho	2	
0016-0030.FLAT	25	00:13	12:01:52.8	-18:58:22	300	90	3.0	#56 Spectropho	2	
0031-0035.sky	3	00:43	23:51:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0036.COMP	10	00:44	23:51:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0037.BDp174708	60	01:16	22:11:31.5	+18:05:34	300	60	3.0	#56 Spectropho	2	clouds
0038.BDp174708	60	01:17	22:11:31.5	+18:05:34	300	60	3.0	#56 Spectropho	2	
0039.BDp174708	60	01:18	22:11:31.5	+18:05:34	300	60	3.0	#56 Spectropho	2	
0040.COMP	10	01:20	22:11:31.5	+18:05:34	300	60	3.0	#56 Spectropho	2	
0041.BDp284211	120	01:21	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	
0042.BDp284211	240	01:24	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	
0043.COMP	10	01:28	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	
0044.HD237007	30	01:40	02:50:34.9	+60:24:07	300	30	3.0	#179 OB Stars	2	
0045.COMP	10	01:41	02:50:34.9	+60:24:07	300	30	3.0	#179 OB Stars	2	
0046.kep_w5_254	300	01:42	02:52:59.8	+61:01:20	300	30	3.0	#179 OB Stars	2	
0047.COMP	10	01:48	02:52:59.8	+61:01:20	300	30	3.0	#179 OB Stars	2	
0048.kep_w5_255	300	01:52	02:53:24.4	+60:44:41	300	30	3.0	#179 OB Stars	2	
0049.COMP	10	01:58	02:53:24.4	+60:44:41	300	30	3.0	#179 OB Stars	2	
0050.kep_w5_256	300	01:59	02:52:07.0	+60:41:56	300	30	3.0	#179 OB Stars	2	
0051.COMP	10	02:04	02:52:07.0	+60:41:56	300	30	3.0	#179 OB Stars	2	

UT Date 2007-12-30 Observers P BerlindColl. Focus 1260 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>
0052.kep_w5_257	300	02:05	02:53:02.7	+60:38:29	300	30	3.0	#179 OB Stars	2	
0053.COMP	10	02:10	02:53:02.7	+60:38:29	300	30	3.0	#179 OB Stars	2	
0054.kep_w5_258	300	02:12	02:55:55.9	+60:34:16	300	30	3.0	#179 OB Stars	2	
0055.COMP	10	02:17	02:55:55.9	+60:34:16	300	30	3.0	#179 OB Stars	2	
0056.kep_w5_259	300	02:18	02:52:17.3	+61:01:21	300	30	3.0	#179 OB Stars	2	
0057.COMP	10	02:23	02:52:17.3	+61:01:21	300	30	3.0	#179 OB Stars	2	
0058.kep_w5_260	300	02:24	02:48:08.8	+60:41:38	300	30	3.0	#179 OB Stars	2	
0059.COMP	10	02:29	02:48:08.8	+60:41:38	300	30	3.0	#179 OB Stars	2	
0060.kep_w5_261	300	02:30	02:47:54.1	+60:52:31	300	30	3.0	#179 OB Stars	2	
0061.COMP	10	02:35	02:47:54.1	+60:52:31	300	30	3.0	#179 OB Stars	2	
0062.kep_w5_262	300	02:36	02:48:16.5	+60:19:43	300	30	3.0	#179 OB Stars	2	
0063.COMP	10	02:42	02:48:16.5	+60:19:43	300	30	3.0	#179 OB Stars	2	
0064.kep_w5_263	300	02:43	02:53:35.3	+60:34:42	300	30	3.0	#179 OB Stars	2	
0065.COMP	10	02:48	02:53:35.3	+60:34:42	300	30	3.0	#179 OB Stars	2	
0066.kep_w5_264	300	02:50	02:57:10.6	+60:50:29	300	30	3.0	#179 OB Stars	2	
0067.COMP	10	02:55	02:57:10.6	+60:50:29	300	30	3.0	#179 OB Stars	2	
0068.kep_w5_265	300	02:57	02:52:08.9	+60:24:32	300	30	3.0	#179 OB Stars	2	
0069.COMP	10	03:02	02:52:08.9	+60:24:32	300	30	3.0	#179 OB Stars	2	
0070.kep_w5_266	300	03:03	02:47:39.7	+60:24:09	300	30	3.0	#179 OB Stars	2	
0071.COMP	10	03:09	02:47:39.7	+60:24:09	300	30	3.0	#179 OB Stars	2	

UT Date 2007-12-30 Observers P BerlindColl. Focus 1260 Grating/Grism 600

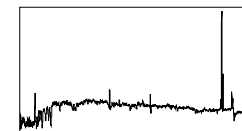
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.kep_w5_267	300	03:11	02:48:44.7	+60:47:00	300	0	3.0	#179 OB Stars	2	
0073.COMP	10	03:17	02:48:44.7	+60:47:00	300	0	3.0	#179 OB Stars	2	
0074.kep_w5_268	300	03:18	02:47:53.1	+60:52:10	300	0	3.0	#179 OB Stars	2	
0075.COMP	10	03:23	02:47:53.1	+60:52:10	300	0	3.0	#179 OB Stars	2	
0076.kep_w5_269	300	03:24	02:50:20.7	+60:43:43	300	0	3.0	#179 OB Stars	2	
0077.COMP	10	03:29	02:50:20.7	+60:43:43	300	0	3.0	#179 OB Stars	2	
0078.kep_w5_270	300	03:30	02:55:56.6	+60:36:31	300	0	3.0	#179 OB Stars	2	
0079.COMP	10	03:36	02:55:56.6	+60:36:31	300	0	3.0	#179 OB Stars	2	
0080.sn2007gr	1800	03:38	02:43:28.0	+37:20:45	300	90	3.0	#2 SN Observat	2	
0081.COMP	10	04:09	02:43:28.0	+37:20:45	300	90	3.0	#2 SN Observat	2	
0082.HD19445	15	04:12	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0083.HD19445	15	04:12	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0084.HD19445	15	04:13	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0085.COMP	10	04:13	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0086.XS05777B3_019	1800	04:16	01:59:17.2	+00:30:12	300	35	3.0	#129 ChaMP Sou	2	ok
0087.COMP	10	04:47	01:59:17.2	+00:30:12	300	35	3.0	#129 ChaMP Sou	2	
0088.XS05777B1_004	600	04:48	01:59:59.8	+00:32:19	300	35	3.0	#129 ChaMP Sou	2	
0089.COMP	10	04:59	01:59:59.8	+00:32:19	300	35	3.0	#129 ChaMP Sou	2	
0090.XS04987B6_007	1500	05:00	02:24:37.7	-00:07:12	300	35	3.0	#129 ChaMP Sou	2	
0091.COMP	10	05:25	02:24:37.7	-00:07:12	300	35	3.0	#129 ChaMP Sou	2	

UT Date 2007-12-30 Observers P BerlindColl. Focus 1260 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0092.XS05244B8_002	900	05:26	02:34:52.4	-01:00:31	300	35	3.0	#129 ChaMP Sou	2	
0093.COMP	10	05:42	02:34:52.4	-01:00:31	300	35	3.0	#129 ChaMP Sou	2	
0094.XS05695B7_009	1800	05:46	03:20:05.4	-00:58:40	300	35	3.0	#129 ChaMP Sou	2	ok good em
0095.COMP	10	06:17	03:20:05.4	-00:58:40	300	35	3.0	#129 ChaMP Sou	2	
0096.fmfs194	300	06:18	04:56:18.4	-17:59:52	300	35	3.0	#171 Local Uni	2	
0097.COMP	10	06:24	04:56:18.4	-17:59:52	300	35	3.0	#171 Local Uni	2	
0098.fmfs195	600	06:25	04:56:56.8	-17:27:11	300	35	3.0	#171 Local Uni	2	
0099.COMP	10	06:35	04:56:56.8	-17:27:11	300	35	3.0	#171 Local Uni	2	
0100.fmfs196	420	06:36	04:57:03.7	-17:42:11	300	35	3.0	#171 Local Uni	2	
0101.COMP	10	06:43	04:57:03.7	-17:42:11	300	35	3.0	#171 Local Uni	2	
0102.fmfs197	480	06:44	04:57:14.7	-18:18:03	300	35	3.0	#171 Local Uni	2	
0103.COMP	10	06:52	04:57:14.7	-18:18:03	300	35	3.0	#171 Local Uni	2	
0104.fmfs198	600	06:53	04:57:17.9	-17:30:27	300	35	3.0	#171 Local Uni	2	
0105.COMP	10	07:04	04:57:17.9	-17:30:27	300	35	3.0	#171 Local Uni	2	
0106.fmfs199	480	07:05	04:57:19.7	-17:28:35	300	35	3.0	#171 Local Uni	2	
0107.COMP	10	07:13	04:57:19.7	-17:28:35	300	35	3.0	#171 Local Uni	2	
0108.IPHAS_B450	300	07:16	05:55:03.2	+29:10:01	300	90	3.0	#157 IPHAS	2	encore
0109.COMP	10	07:21	05:55:03.2	+29:10:01	300	90	3.0	#157 IPHAS	2	
0110.HD52071	5	07:23	07:00:58.0	+27:09:26	300	90	3.0	#57 Velocity S	2	
0111.HD52071	5	07:23	07:00:58.0	+27:09:26	300	90	3.0	#57 Velocity S	2	

UT Date 2007-12-30 Observers P BerlindColl. Focus 1260 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0112.HD52071	5	07:23	07:00:58.0	+27:09:26	300	90	3.0	#57 Velocity S	2	
0113.COMP	10	07:24	07:00:58.0	+27:09:26	300	90	3.0	#57 Velocity S	2	
0114.test	10	07:28	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0115.test	10	07:31	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0116.test	10	07:31	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0117.pg0846p249	1800	07:32	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	600-line, 2-sec, 440, Warren
0118.COMP	10	08:03	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0119.pg0808p595	1200	08:05	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0120.COMP	10	08:26	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0121.pg0834p501	720	08:27	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0122.COMP	10	08:39	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0123.pg0846p249	1800	08:41	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0124.COMP	10	09:11	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0125.pg0846p249	1800	09:12	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0126.COMP	10	09:42	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0127.pg0943p441	180	09:44	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0128.COMP	10	09:47	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0129.pg1101p364	480	09:48	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0130.COMP	10	09:57	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0131.pg0846p249	1800	09:58	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	

UT Date 2007-12-30 Observers P BerlindColl. Focus 1260 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0132.COMP	10	10:29	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0133.pg0846p249	1800	10:29	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0134.COMP	10	11:00	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0135.pg0846p249	1800	11:01	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0136.COMP	10	11:31	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0137-0146.FLAT	45	11:41	11:00:00.0	+32:00:00	600	90	2.0	#178 Very Low	4	
0147.test	10	11:45	11:00:00.0	+32:00:00	300	90	3.0	#178 Very Low	2	something funny going on with spec focus, will look into it man
0151.Feige34	180	11:51	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0152.Feige34	180	11:54	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0153.COMP	10	11:58	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0154.sn2007ss	1500	12:01	12:41:06.1	+50:23:29	300	47	3.0	#2 SN Observat	2	
0155.COMP	10	12:27	12:41:06.1	+50:23:29	300	47	3.0	#2 SN Observat	2	
0156.XS05625B7_003	660	12:30	09:08:09.8	+39:43:49	300	47	3.0	#129 ChaMP Sou	2	
0157.COMP	10	12:41	09:08:09.8	+39:43:49	300	47	3.0	#129 ChaMP Sou	2	
0158.sn2007sr	720	12:45	12:01:52.8	-18:58:22	300	0	3.0	#2 SN Observat	2	
0159.COMP	10	12:58	12:01:52.8	-18:58:22	300	0	3.0	#2 SN Observat	2	
0160.N4853	240	13:02	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0161.COMP	10	13:06	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0162-0171.BIAS	0	13:09	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	4	
0172-0181.BIAS	0	13:12	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	

UT Date 2007-12-30 Observers P BerlindColl. Focus 1260 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>
0182-0196.FLAT	25	13:21	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0197-0201.DARK	900	14:32	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0202-0206.DARK	900	15:48	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	4	

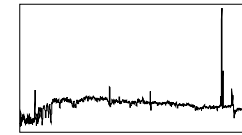


UT Date 2007-12-31 Observers P BerlindColl. Focus 1280 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.BIAS	0	22:59	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0011-0025.FLAT	25	23:08	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0026.ffocus	10	00:36	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0027.ffocus	10	00:36	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0028.ffocus	10	00:37	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0029.ffocus	10	00:38	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0030.ffocus	10	00:39	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0031.ffocus	10	00:39	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0032.ffocus	10	00:40	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0033.ffocus	10	00:40	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0034.ffocus	10	00:41	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0035.ffocus	10	00:41	12:58:35.1	+27:35:47	300	90	3.0	#178 Very Low	2	
0037-0041.sky	5	00:54	00:05:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0042.COMP	10	00:56	00:05:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0043.ZAnd	1	01:20	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0044.ZAnd	5	01:21	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0045.ZAnd	40	01:21	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0046.COMP	10	01:22	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0047.BDp174708	45	01:24	22:11:31.5	+18:05:34	300	62	3.0	#56 Spectropho	2	
0048.BDp174708	45	01:25	22:11:31.5	+18:05:34	300	62	3.0	#56 Spectropho	2	

UT Date 2007-12-31 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.BDp174708	45	01:26	22:11:31.5	+18:05:34	300	62	3.0	#56 Spectropho	2	
0050.COMP	10	01:27	22:11:31.5	+18:05:34	300	62	3.0	#56 Spectropho	2	
0051.BDp284211	120	01:29	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	
0052.BDp284211	120	01:31	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	
0053.COMP	10	01:34	21:51:11.1	+28:51:53	300	77	3.0	#56 Spectropho	2	
0054.00272843+5222115	600	01:37	00:27:28.4	+52:22:12	300	90	3.0	#141 Mapping t	2	
0055.COMP	10	01:48	00:27:28.4	+52:22:12	300	90	3.0	#141 Mapping t	2	
0056.00330589+4004464	420	01:50	00:33:05.9	+40:04:46	300	90	3.0	#141 Mapping t	2	
0057.COMP	10	01:57	00:33:05.9	+40:04:46	300	90	3.0	#141 Mapping t	2	
0058.sn2007su	1800	02:00	22:19:08.9	+13:10:40	300	59	3.0	#2 SN Observat	2	
0059.COMP	10	02:30	22:19:08.9	+13:10:40	300	59	3.0	#2 SN Observat	2	
0060.sn2007le	1500	02:34	23:38:48.4	-06:31:21	300	38	3.0	#2 SN Observat	2	
0061.COMP	10	02:59	23:38:48.4	-06:31:21	300	38	3.0	#2 SN Observat	2	
0062.sn2007pk	1500	03:03	01:31:47.1	+33:36:54	300	100	3.0	#2 SN Observat	2	
0063.COMP	10	03:29	01:31:47.1	+33:36:54	300	100	3.0	#2 SN Observat	2	
0064.HD19445	10	03:30	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0065.HD19445	10	03:31	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0066.HD19445	10	03:31	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0067.COMP	10	03:32	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0069.FLAT	12	03:40	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	5-sec slit

UT Date 2007-12-31 Observers P BerlindColl. Focus 1280 Grating/Grism 300

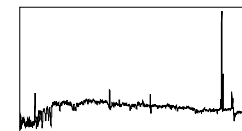
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070-0078.FLAT	12	03:44	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	
0079.HD19445	10	03:46	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	5-sec slit
0080.HD19445	10	03:46	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	
0081.HD19445	10	03:46	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	
0082.HD19445	10	03:47	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	
0083.HD19445	10	03:47	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	
0084.HD19445	10	03:48	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	
0085.HD19445	10	03:48	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	
0086.HD19445	10	03:49	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	
0087.HD19445	10	03:50	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	
0088.COMP	7	03:50	03:08:26.3	+26:20:29	300	90	5.0	#56 Spectropho	2	
0089.test	10	03:54	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0090.XS04987B6_020	1200	03:56	02:24:44.6	-00:06:03	300	23	3.0	#129 ChaMP Sou	2	
0091.COMP	10	04:17	02:24:44.6	-00:06:03	300	23	3.0	#129 ChaMP Sou	2	
0092.fmf106	180	04:19	02:45:26.6	+36:18:37	300	23	3.0	#171f Local Un	2	this is a star
0093.COMP	10	04:23	02:45:26.6	+36:18:37	300	23	3.0	#171f Local Un	2	
0094.fmf108	420	04:24	02:45:49.3	+36:59:07	300	90	3.0	#171f Local Un	2	
0095.COMP	10	04:31	02:45:49.3	+36:59:07	300	90	3.0	#171f Local Un	2	
0096.fmf109	600	04:33	02:46:09.8	+37:09:38	300	90	3.0	#171f Local Un	2	
0097.COMP	10	04:43	02:46:09.8	+37:09:38	300	90	3.0	#171f Local Un	2	

UT Date 2007-12-31 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0098.fmb110	600	04:44	02:46:20.8	+36:24:00	300	90	3.0	#171f Local Un	2	
0099.COMP	10	04:54	02:46:20.8	+36:24:00	300	90	3.0	#171f Local Un	2	
0100.fmb111	600	04:55	02:47:13.5	+36:38:29	300	90	3.0	#171f Local Un	2	
0101.COMP	10	05:06	02:47:13.5	+36:38:29	300	90	3.0	#171f Local Un	2	
0102.fmb112	660	05:07	02:47:32.2	+36:49:38	300	90	3.0	#171f Local Un	2	
0103.COMP	10	05:18	02:47:32.2	+36:49:38	300	90	3.0	#171f Local Un	2	
0104.fmb113	240	05:19	02:48:06.8	+36:27:27	300	90	3.0	#171f Local Un	2	another star
0105.COMP	10	05:23	02:48:06.8	+36:27:27	300	90	3.0	#171f Local Un	2	
0106.fmb114	720	05:24	02:48:21.6	+36:49:14	300	90	3.0	#171f Local Un	2	
0107.COMP	10	05:37	02:48:21.6	+36:49:14	300	90	3.0	#171f Local Un	2	
0108.fmb123	300	05:38	02:59:42.1	+36:02:17	300	90	3.0	#171f Local Un	2	
0109.COMP	10	05:44	02:59:42.1	+36:02:17	300	90	3.0	#171f Local Un	2	
0110.fmfs200	600	05:47	04:57:19.7	-17:35:58	300	20	3.0	#171 Local Uni	2	
0111.COMP	10	05:57	04:57:19.7	-17:35:58	300	20	3.0	#171 Local Uni	2	
0112.fmfs201	600	06:00	04:57:39.6	-17:50:21	300	20	3.0	#171 Local Uni	2	
0113.COMP	10	06:10	04:57:39.6	-17:50:21	300	20	3.0	#171 Local Uni	2	
0114.fmfs202	900	06:12	04:57:45.4	-17:44:24	300	20	3.0	#171 Local Uni	2	
0115.COMP	10	06:27	04:57:45.4	-17:44:24	300	20	3.0	#171 Local Uni	2	
0116.fmfs203	300	06:29	04:57:52.1	-17:35:10	300	20	3.0	#171 Local Uni	2	
0117.COMP	10	06:35	04:57:52.1	-17:35:10	300	20	3.0	#171 Local Uni	2	

UT Date 2007-12-31 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0118.fmfs204	360	06:36	04:58:05.3	-17:40:08	300	20	3.0	#171 Local Uni	2	
0119.COMP	10	06:43	04:58:05.3	-17:40:08	300	20	3.0	#171 Local Uni	2	
0120.XS03785B0_012	1500	06:46	08:08:01.3	+21:20:28	300	90	3.0	#129 ChaMP Sou	2	
0121.COMP	10	07:11	08:08:01.3	+21:20:28	300	90	3.0	#129 ChaMP Sou	2	
0122-0126.FLAT	25	07:15	07:00:00.0	+30:00:00	300	90	3.0	#129 ChaMP Sou	2	
0127.test	10	07:18	07:00:00.0	+30:00:00	600	90	2.0	#129 ChaMP Sou	4	
0128.test	10	07:18	07:00:00.0	+30:00:00	600	90	2.0	#129 ChaMP Sou	4	
0129.test	10	07:19	07:00:00.0	+30:00:00	600	90	2.0	#129 ChaMP Sou	4	
0130.test	10	07:20	07:00:00.0	+30:00:00	600	90	2.0	#129 ChaMP Sou	4	
0131.test	10	07:22	07:00:00.0	+30:00:00	600	90	2.0	#129 ChaMP Sou	4	
0132.FLAT	45	07:22	07:00:00.0	+30:00:00	600	90	2.0	#129 ChaMP Sou	4	600-line, 2-sec, 440, Warren
0133-0141.FLAT	45	07:31	07:00:00.0	+30:00:00	600	90	2.0	#129 ChaMP Sou	4	
0142.pg0808p595	1200	07:33	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0143.COMP	10	07:54	08:12:13.1	+59:23:49	600	90	2.0	#178 Very Low	4	
0144.pg0834p501	720	07:55	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0145.COMP	10	08:07	08:37:37.3	+49:52:30	600	90	2.0	#178 Very Low	4	
0146.pg0943p441	180	08:08	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0147.COMP	10	08:12	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0148.pg0934p338	1380	08:14	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0149.COMP	10	08:38	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	

UT Date 2007-12-31 Observers P BerlindColl. Focus 1280 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>
0150.pg0934p338	1380	08:39	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0151.COMP	10	09:02	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0152.pg0934p338	1380	09:03	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0153.COMP	10	09:26	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0154.pg0943p441	180	09:28	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0155.COMP	10	09:31	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0156.pg0934p338	1380	09:32	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0157.COMP	10	09:56	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0158.pg0943p441	180	09:57	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0159.COMP	10	10:01	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0160.pg0934p338	1380	10:02	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0161.COMP	10	10:25	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0162.pg0943p441	180	10:26	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0163.COMP	10	10:30	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0164.pg0943p441	180	10:30	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0165.COMP	10	10:34	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0166.pg0934p338	1380	10:35	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0167.COMP	10	10:59	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0168.pg0943p441	180	11:00	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	
0169.COMP	10	11:03	09:46:39.0	+43:54:38	600	90	2.0	#178 Very Low	4	

UT Date 2007-12-31 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0170.pg0846p249	1800	11:05	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0171.COMP	10	11:35	08:49:05.9	+24:45:08	600	90	2.0	#178 Very Low	4	
0172.pg1101p364	480	11:37	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0173.COMP	10	11:45	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0174.test	10	11:49	11:30:00.0	+30:00:00	300	90	3.0	#178 Very Low	2	
0175.test	10	11:50	11:30:00.0	+30:00:00	300	90	3.0	#178 Very Low	2	
0176.Feige34	180	11:52	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0177.Feige34	180	11:55	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0178.COMP	10	11:59	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0179.sn2007sw	900	12:01	12:13:36.9	+46:29:36	300	90	3.0	#2 SN Observat	2	
0180.COMP	10	12:16	12:13:36.9	+46:29:36	300	90	3.0	#2 SN Observat	2	
0181.N4853	300	12:19	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0182.COMP	10	12:24	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0183.N4151	30	12:25	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0184.N4151	30	12:26	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0185.N4151	90	12:27	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0186.COMP	10	12:29	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0187.N4051	150	12:30	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0188.N4051	150	12:33	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0189.COMP	10	12:35	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	

UT Date 2007-12-31 Observers P BerlindColl. Focus 1280 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>
0190.MRK421	240	12:36	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0191.COMP	10	12:41	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0192.sn2007sr	720	12:44	12:01:52.8	-18:58:22	300	3	3.0	#2 SN Observat	2	
0193.COMP	10	12:56	12:01:52.8	-18:58:22	300	3	3.0	#2 SN Observat	2	
0194-0203.BIAS	0	13:00	12:01:52.8	-18:58:22	300	90	3.0	#178 Very Low	4	
0204-0223.BIAS	0	13:05	12:01:52.8	-18:58:22	300	90	3.0	#178 Very Low	2	
0224-0238.FLAT	25	13:14	12:01:52.8	-18:58:22	300	90	3.0	#178 Very Low	2	
0239-0243.DARK	900	14:22	12:01:52.8	-18:58:22	300	90	3.0	#178 Very Low	2	
0244-0248.DARK	900	15:39	12:01:52.8	-18:58:22	300	90	3.0	#178 Very Low	4	

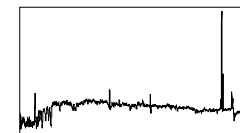


UT Date 2008-01-01 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0002-0011.BIAS	0	01:14	00:26:11.2	+31:27:42	300	90	3.0	#178 Very Low	2	
0012-0031.FLAT	25	01:27	00:26:11.2	+31:27:42	300	90	3.0	#178 Very Low	2	
0032.BDp284211	70	01:39	21:51:11.1	+28:51:53	300	74	3.0	#56 Spectropho	2	
0033.COMP	12	01:41	21:51:11.1	+28:51:53	300	74	3.0	#56 Spectropho	2	
0034.BDp174708	24	01:51	22:11:31.5	+18:05:34	300	62	3.0	#56 Spectropho	2	
0035.BDp174708	24	01:52	22:11:31.5	+18:05:34	300	62	3.0	#56 Spectropho	2	
0036.BDp174708	24	01:52	22:11:31.5	+18:05:34	300	62	3.0	#56 Spectropho	2	
0037.COMP	12	01:53	22:11:31.5	+18:05:34	300	62	3.0	#56 Spectropho	2	
0038.sn2007su	1500	02:01	22:19:08.9	+13:10:40	300	58	3.0	#2 SN Observat	2	
0039.COMP	12	02:28	22:19:08.9	+13:10:40	300	58	3.0	#2 SN Observat	2	
0040.fmf383	600	02:30	23:34:38.8	+21:17:21	300	90	3.0	#171f Local Un	2	
0041.COMP	12	02:41	23:34:38.8	+21:17:21	300	90	3.0	#171f Local Un	2	
0042.fmf384	1020	02:43	23:34:56.1	+21:19:32	300	75	3.0	#171f Local Un	2	
0043.COMP	12	03:00	23:34:56.1	+21:19:32	300	75	3.0	#171f Local Un	2	
0044.fmf386	900	03:01	23:35:11.5	+21:09:28	300	90	3.0	#171f Local Un	2	
0045.COMP	12	03:17	23:35:11.5	+21:09:28	300	90	3.0	#171f Local Un	2	
0046.fmf388	1200	03:18	23:35:24.3	+20:43:36	300	70	3.0	#171f Local Un	2	
0047.COMP	12	03:39	23:35:24.3	+20:43:36	300	70	3.0	#171f Local Un	2	
0048.fmf389	1500	03:40	23:35:25.7	+20:42:58	300	95	3.0	#171f Local Un	2	row=90
0049.COMP	12	04:06	23:35:25.7	+20:42:58	300	95	3.0	#171f Local Un	2	

UT Date 2008-01-01 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0050.fmf390	1500	04:08	23:35:31.4	+21:17:34	300	90	3.0	#171f Local Un	2	
0051.COMP	0	04:08	23:35:31.4	+21:17:34	300	90	3.0	#171f Local Un	2	
0052.fmf128	780	04:38	03:01:42.6	+35:55:11	300	90	3.0	#171f Local Un	2	
0053.COMP	12	04:51	03:01:42.6	+35:55:11	300	90	3.0	#171f Local Un	2	
0054.fmf130	540	04:52	03:01:49.8	+35:44:34	300	90	3.0	#171f Local Un	2	
0055.COMP	12	05:02	03:01:49.8	+35:44:34	300	90	3.0	#171f Local Un	2	
0056.fmf131	480	05:03	03:02:15.9	+35:25:01	300	90	3.0	#171f Local Un	2	need more cnts
0057.COMP	12	05:12	03:02:15.9	+35:25:01	300	90	3.0	#171f Local Un	2	
0058.fmf131	900	05:13	03:02:15.9	+35:25:01	300	90	3.0	#171f Local Un	2	
0059.COMP	12	05:28	03:02:15.9	+35:25:01	300	90	3.0	#171f Local Un	2	
0060.fmf132	900	05:30	03:02:26.4	+35:30:55	300	81	3.0	#171f Local Un	2	
0061.COMP	12	05:46	03:02:26.4	+35:30:55	300	81	3.0	#171f Local Un	2	
0062.fmf133	1320	05:49	03:03:37.2	+35:36:46	300	81	3.0	#171f Local Un	2	
0063.COMP	12	06:12	03:03:37.2	+35:36:46	300	81	3.0	#171f Local Un	2	
0064.fmf134	600	06:13	03:03:37.3	+35:29:21	300	90	3.0	#171f Local Un	2	
0065.COMP	12	06:23	03:03:37.3	+35:29:21	300	90	3.0	#171f Local Un	2	
0066.hxPer352	240	06:28	02:23:58.3	+57:05:25	300	90	3.0	#170 h & chi P	2	row=80
0067.COMP	12	06:32	02:23:58.3	+57:05:25	300	90	3.0	#170 h & chi P	2	
0068.hxPer353	300	06:35	02:18:32.4	+56:48:33	300	90	3.0	#170 h & chi P	2	
0069.COMP	12	06:40	02:18:32.4	+56:48:33	300	90	3.0	#170 h & chi P	2	

UT Date 2008-01-01 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.hxPer354	300	06:41	02:22:51.1	+57:24:01	300	90	3.0	#170 h & chi P	2	
0071.COMP	12	06:47	02:22:51.1	+57:24:01	300	90	3.0	#170 h & chi P	2	
0072.hxPer355	240	06:48	02:23:22.3	+57:21:39	300	90	3.0	#170 h & chi P	2	
0073.COMP	12	06:53	02:23:22.3	+57:21:39	300	90	3.0	#170 h & chi P	2	
0074.hxPer356	600	06:55	02:23:38.6	+57:18:17	300	90	3.0	#170 h & chi P	2	
0075.COMP	12	07:05	02:23:38.6	+57:18:17	300	90	3.0	#170 h & chi P	2	
0076.hxPer357	180	07:06	02:21:09.7	+56:59:10	300	90	3.0	#170 h & chi P	2	
0077.COMP	12	07:17	02:21:09.7	+56:59:10	300	90	3.0	#170 h & chi P	2	
0078.hxPer358	180	07:18	02:23:31.8	+56:43:12	300	90	3.0	#170 h & chi P	2	
0079.COMP	12	07:22	02:23:31.8	+56:43:12	300	90	3.0	#170 h & chi P	2	
0080.hxPer359	150	07:24	02:23:33.7	+57:10:16	300	90	3.0	#170 h & chi P	2	row=82
0081.COMP	12	07:27	02:23:33.7	+57:10:16	300	90	3.0	#170 h & chi P	2	
0082.hxPer360	240	07:29	02:21:08.0	+57:14:56	300	90	3.0	#170 h & chi P	2	
0083.COMP	12	07:33	02:21:08.0	+57:14:56	300	90	3.0	#170 h & chi P	2	
0084.hxPer361	180	07:35	02:24:00.4	+57:15:27	300	90	3.0	#170 h & chi P	2	
0085.COMP	12	07:38	02:24:00.4	+57:15:27	300	90	3.0	#170 h & chi P	2	
0086.hxPer362	240	07:39	02:18:42.8	+56:52:13	300	90	3.0	#170 h & chi P	2	
0087.COMP	12	07:44	02:18:42.8	+56:52:13	300	90	3.0	#170 h & chi P	2	
0088.hxPer363	240	07:45	02:20:40.2	+56:47:52	300	90	3.0	#170 h & chi P	2	
0089.COMP	12	07:49	02:20:40.2	+56:47:52	300	90	3.0	#170 h & chi P	2	

UT Date 2008-01-01 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

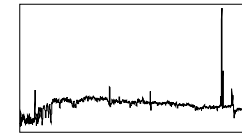
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.hxPer364	240	07:50	02:21:09.2	+56:42:24	300	90	3.0	#170 h & chi P	2	
0091.COMP	12	07:55	02:21:09.2	+56:42:24	300	90	3.0	#170 h & chi P	2	
0092.hxPer365	240	07:56	02:17:56.0	+56:44:48	300	90	3.0	#170 h & chi P	2	
0093.COMP	12	08:01	02:17:56.0	+56:44:48	300	90	3.0	#170 h & chi P	2	
0094.hxPer366	240	08:02	02:20:54.2	+57:04:36	300	90	3.0	#170 h & chi P	2	
0095.COMP	12	08:07	02:20:54.2	+57:04:36	300	90	3.0	#170 h & chi P	2	
0096.hxPer367	240	08:08	02:21:14.5	+56:55:19	300	90	3.0	#170 h & chi P	2	row=79
0097.COMP	12	08:12	02:21:14.5	+56:55:19	300	90	3.0	#170 h & chi P	2	
0098.hxPer368	240	08:14	02:22:21.4	+57:26:24	300	90	3.0	#170 h & chi P	2	
0099.COMP	12	08:24	02:22:21.4	+57:26:24	300	90	3.0	#170 h & chi P	2	
0100.hxPer369	300	08:25	02:19:00.0	+56:57:47	300	90	3.0	#170 h & chi P	2	
0101.COMP	12	08:30	02:19:00.0	+56:57:47	300	90	3.0	#170 h & chi P	2	
0102.SS129	30	08:36	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0103.SS129	180	08:37	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0104.COMP	12	08:42	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0105.BXMon	15	08:46	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0106.BXMon	180	08:46	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0107.COMP	12	08:50	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0108.sn2007ux	1800	08:53	10:09:20.0	+14:59:33	300	-45	3.0	#2 SN Observat	2	
0109.COMP	12	09:24	10:09:20.0	+14:59:33	300	-45	3.0	#2 SN Observat	2	

UT Date 2008-01-01 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0110.XS03436B3_002	60	09:29	08:15:39.3	+36:47:43	300	90	3.0	#129 ChaMP Sou	2	
0111.COMP	12	09:30	08:15:39.3	+36:47:43	300	90	3.0	#129 ChaMP Sou	2	
0112.XS03436B3_001	90	09:31	08:15:42.5	+36:45:34	300	90	3.0	#129 ChaMP Sou	2	
0113.COMP	12	09:33	08:15:42.5	+36:45:34	300	90	3.0	#129 ChaMP Sou	2	
0114.XS04119B7_003	90	09:34	08:20:13.3	+36:39:22	300	90	3.0	#129 ChaMP Sou	2	
0115.COMP	12	09:36	08:20:13.3	+36:39:22	300	90	3.0	#129 ChaMP Sou	2	
0116.XS03571B6_009	840	09:38	08:21:40.2	+12:27:21	300	90	3.0	#129 ChaMP Sou	2	
0117.COMP	12	09:53	08:21:40.2	+12:27:21	300	90	3.0	#129 ChaMP Sou	2	
0118.XS05656B7_018	1500	09:58	08:30:06.4	+53:20:11	300	100	3.0	#129 ChaMP Sou	2	
0119.COMP	12	10:24	08:30:06.4	+53:20:11	300	100	3.0	#129 ChaMP Sou	2	
0120.HD84937	20	10:29	09:48:54.9	+13:45:14	300	-3	3.0	#56 Spectropho	2	
0121.HD84937	20	10:30	09:48:54.9	+13:45:14	300	-3	3.0	#56 Spectropho	2	
0122.HD84937	20	10:30	09:48:54.9	+13:45:14	300	-3	3.0	#56 Spectropho	2	
0123.COMP	12	10:31	09:48:54.9	+13:45:14	300	-3	3.0	#56 Spectropho	2	
0124.HD84937	13	10:32	09:48:54.9	+13:45:14	300	-3	3.0	#56 Spectropho	2	
0125.HD84937	13	10:33	09:48:54.9	+13:45:14	300	-3	3.0	#56 Spectropho	2	
0126.HD84937	13	10:33	09:48:54.9	+13:45:14	300	-3	3.0	#56 Spectropho	2	
0127.COMP	12	10:34	09:48:54.9	+13:45:14	300	-3	3.0	#56 Spectropho	2	
0128.Feige34	80	10:35	10:39:36.9	+43:06:11	300	-3	3.0	#56 Spectropho	2	not at PA
0129.COMP	12	10:37	10:39:36.9	+43:06:11	300	-3	3.0	#56 Spectropho	2	

UT Date 2008-01-01 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0130.Feige34	120	10:39	10:39:36.9	+43:06:11	300	41	3.0	#56 Spectropho	2	
0131.COMP	12	10:41	10:39:36.9	+43:06:11	300	41	3.0	#56 Spectropho	2	
0132.sn2007sw	1500	10:44	12:13:36.9	+46:29:36	300	71	3.0	#2 SN Observat	2	
0133.COMP	12	11:10	12:13:36.9	+46:29:36	300	71	3.0	#2 SN Observat	2	
0134.sn2007ss	1500	11:13	12:41:06.1	+50:23:29	300	65	3.0	#2 SN Observat	2	
0135.COMP	12	11:38	12:41:06.1	+50:23:29	300	65	3.0	#2 SN Observat	2	
0136.sn2007sr	600	11:45	12:01:52.8	-18:58:22	300	-16	3.0	#2 SN Observat	2	
0137.COMP	12	11:55	12:01:52.8	-18:58:22	300	-16	3.0	#2 SN Observat	2	
0138.3C264	360	12:02	11:45:04.9	+19:36:23	300	110	3.0	#177 3CRR Radi	2	
0139.COMP	12	12:08	11:45:04.9	+19:36:23	300	110	3.0	#177 3CRR Radi	2	
0140.3C264	360	12:10	11:45:04.9	+19:36:23	300	25	3.0	#177 3CRR Radi	2	
0141.COMP	12	12:17	11:45:04.9	+19:36:23	300	25	3.0	#177 3CRR Radi	2	
0142.3C264	360	12:19	11:45:04.9	+19:36:23	300	-17	3.0	#177 3CRR Radi	2	row=76
0143.COMP	12	12:25	11:45:04.9	+19:36:23	300	-17	3.0	#177 3CRR Radi	2	
0144.3C270	120	12:29	12:19:23.2	+05:49:36	300	-15	3.0	#177 3CRR Radi	2	
0145.COMP	12	12:31	12:19:23.2	+05:49:36	300	-15	3.0	#177 3CRR Radi	2	
0146.3C270	120	12:32	12:19:23.2	+05:49:36	300	75	3.0	#177 3CRR Radi	2	
0147.COMP	12	12:35	12:19:23.2	+05:49:36	300	75	3.0	#177 3CRR Radi	2	close for wind
0148-0157.BIAS	0	12:48	12:19:23.2	+05:49:36	300	90	3.0	#170 h & chi P	2	
0158-0177.FLAT	25	13:02	12:19:23.2	+05:49:36	300	90	3.0	#170 h & chi P	2	

UT Date 2008-01-01 Observers M CalkinsColl. Focus 1280 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>
0178-0197.DARK	900	17:55	12:19:23.2	+05:49:36	300	90	3.0	#170 h & chi P	2	