

UT Date 2008-02-02 Observers M CalkinsColl. Focus 1280 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:48	03:00:39.1	+31:28:27	300	90	3.0	#56 Spectropho	2	
0011-0030.FLAT	25	02:00	03:00:39.1	+31:28:27	300	90	3.0	#56 Spectropho	2	
0031.NGC1700	180	02:18	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0032.NGC1700	180	02:21	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0033.COMP	12	02:24	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0034.sn2008Q	1200	02:28	01:24:57.2	+09:33:02	300	53	3.0	#2 SN Observat	2	
0035.COMP	12	02:49	01:24:57.2	+09:33:02	300	53	3.0	#2 SN Observat	2	
0036.sn2008R	1200	02:58	03:03:53.7	-11:59:39	300	22	3.0	#2 SN Observat	2	
0037.COMP	12	03:19	03:03:53.7	-11:59:39	300	22	3.0	#2 SN Observat	2	
0038.sn2008L	1800	03:23	03:17:16.7	+41:22:58	300	109	3.0	#2 SN Observat	2	
0039.COMP	12	03:54	03:17:16.7	+41:22:58	300	109	3.0	#2 SN Observat	2	
0040.SDSSJ0813+5221	1800	04:00	08:13:17.3	+52:21:48	300	90	3.0	#181 Populatio	2	
0041.COMP	12	04:31	08:13:17.3	+52:21:48	300	90	3.0	#181 Populatio	2	
0042.SDSSJ0825+4306	1800	04:34	08:25:43.1	+43:06:41	300	90	3.0	#181 Populatio	2	
0043.COMP	12	05:04	08:25:43.1	+43:06:41	300	90	3.0	#181 Populatio	2	
0044.SDSSJ0828+3634	1020	05:06	08:28:29.2	+36:34:19	300	90	3.0	#181 Populatio	2	northeast star
0045.COMP	12	05:23	08:28:29.2	+36:34:19	300	90	3.0	#181 Populatio	2	
0046.SDSSJ0844+3956	1500	05:25	08:44:36.4	+39:56:54	300	90	3.0	#181 Populatio	2	
0047.COMP	12	05:51	08:44:36.4	+39:56:54	300	90	3.0	#181 Populatio	2	
0048.SDSSJ0857+2020	1800	05:54	08:57:37.9	+20:20:43	300	90	3.0	#181 Populatio	2	

UT Date 2008-02-02 Observers M CalkinsColl. Focus 1280 Grating/Grism 600

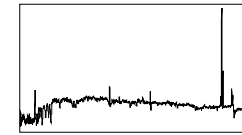
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.COMP	12	06:24	08:57:37.9	+20:20:43	300	90	3.0	#181 Populatio	2	
0050.SDSSJ0905+0029	1200	06:27	09:05:47.3	+00:29:24	300	90	3.0	#181 Populatio	2	
0051.COMP	12	06:48	09:05:47.3	+00:29:24	300	90	3.0	#181 Populatio	2	
0052.SDSSJ0905+4240	480	06:50	09:05:48.0	+42:40:38	300	90	3.0	#181 Populatio	2	
0053.COMP	12	06:58	09:05:48.0	+42:40:38	300	90	3.0	#181 Populatio	2	
0054.SDSSJ0908+5351	1200	07:00	09:08:11.2	+53:51:21	300	90	3.0	#181 Populatio	2	
0055.COMP	12	07:21	09:08:11.2	+53:51:21	300	90	3.0	#181 Populatio	2	
0056.SDSSJ0914+1250	1800	07:24	09:14:28.9	+12:50:24	300	90	3.0	#181 Populatio	2	
0057.COMP	12	07:55	09:14:28.9	+12:50:24	300	90	3.0	#181 Populatio	2	
0058.SS129	45	07:58	07:32:45.0	-26:49:16	300	75	3.0	#12 Symbiotic	2	
0059.SS129	150	08:00	07:32:45.0	-26:49:16	300	75	3.0	#12 Symbiotic	2	
0060.COMP	12	08:03	07:32:45.0	-26:49:16	300	75	3.0	#12 Symbiotic	2	
0061.BGGem	600	08:06	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0062.COMP	12	08:16	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0063.BXMon	15	08:20	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0064.BXMon	180	08:21	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0065.COMP	12	08:24	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0066.HD84937	20	08:27	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0067.HD84937	20	08:28	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0068.HD84937	20	08:28	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	

UT Date 2008-02-02 Observers M CalkinsColl. Focus 1280 Grating/Grism 600

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0069.COMP	12	08:29	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0070.HD84937	15	08:30	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0071.HD84937	15	08:30	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0072.HD84937	15	08:31	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0073.COMP	12	08:32	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0074.HD84937	10	08:32	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0075.HD84937	10	08:33	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0076.HD84937	10	08:33	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0077.COMP	12	08:34	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0078.Feige34	150	08:37	10:39:36.9	+43:06:11	300	38	3.0	#56 Spectropho	2	
0079.COMP	12	08:40	10:39:36.9	+43:06:11	300	38	3.0	#56 Spectropho	2	
0080.Feige34	90	08:41	10:39:36.9	+43:06:11	300	38	3.0	#56 Spectropho	2	
0081.COMP	12	08:44	10:39:36.9	+43:06:11	300	38	3.0	#56 Spectropho	2	
0082.HD84937	10	08:48	09:48:54.9	+13:45:14	300	90	5.0	#56 Spectropho	2	5 arcsec slit
0083.HD84937	10	08:48	09:48:54.9	+13:45:14	300	90	5.0	#56 Spectropho	2	
0084.HD84937	10	08:49	09:48:54.9	+13:45:14	300	90	5.0	#56 Spectropho	2	
0085.HD84937	10	08:49	09:48:54.9	+13:45:14	300	90	5.0	#56 Spectropho	2	
0086.HD84937	10	08:49	09:48:54.9	+13:45:14	300	90	5.0	#56 Spectropho	2	
0087.COMP	6	08:50	09:48:54.9	+13:45:14	300	90	5.0	#56 Spectropho	2	
0088.Feige34	120	08:53	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	

UT Date 2008-02-02 Observers M CalkinsColl. Focus 1280 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.Feige34	120	08:55	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	
0090.Feige34	120	08:57	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	
0091.Feige34	120	08:59	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	
0092.Feige34	120	09:01	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	
0093.COMP	6	09:04	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	
0094-0103.FLAT	13	09:11	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	
0104.Feige34	120	09:21	10:39:36.9	+43:06:11	600	90	2.0	#56 Spectropho	4	2 arcsec, 600L, tilt=440
0105.COMP	10	09:23	10:39:36.9	+43:06:11	600	90	2.0	#56 Spectropho	4	
0106.pg0934p338	1380	09:25	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0107.COMP	10	09:53	09:37:08.8	+33:34:07	600	90	2.0	#178 Very Low	4	
0108.pg1224p309	1260	09:55	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0109.COMP	10	10:16	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0110.pg1224p309	1260	10:17	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0111.COMP	10	10:38	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0112.pg1229m013	420	10:40	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0113.pg1229m013	420	10:47	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0114.COMP	10	10:55	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0115.pg1224p309	1260	10:56	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0116.COMP	10	11:18	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0117.pg1229m013	420	11:20	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	

UT Date 2008-02-02 Observers M CalkinsColl. Focus 1280 Grating/Grism 600

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0118.COMP	10	11:27	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0119.pg1224p309	1260	11:29	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0120.COMP	10	11:50	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0121.pg1229m013	420	11:52	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0122.COMP	10	11:59	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0123.pg1224p309	1260	12:01	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0124.COMP	10	12:23	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0125.pg1229m013	420	12:25	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0126.pg1229m013	420	12:32	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0127.COMP	10	12:39	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0128.pg1224p309	1260	12:40	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0129.COMP	10	13:02	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0130.pg1229m013	420	13:04	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0131.COMP	10	13:11	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0132.pg1101p364	480	13:13	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0133.COMP	10	13:21	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0134-0143.FLAT	45	13:32	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0144-0153.BIAS	0	13:34	11:04:32.6	+36:10:49	600	90	2.0	#56 Spectropho	4	
0155.FLAT	25	13:58	11:04:32.6	+36:10:49	300	90	3.0	#56 Spectropho	2	combo setup
0156-0174.FLAT	25	14:09	11:04:32.6	+36:10:49	300	90	3.0	#56 Spectropho	2	

UT Date 2008-02-02 Observers M CalkinsColl. Focus 1280 Grating/Grism 600

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0175-0184.BIAS	0	14:13	11:04:32.6	+36:10:49	300	90	3.0	#56 Spectropho	2	
0185-0189.DARK	900	15:16	11:04:32.6	+36:10:49	300	90	3.0	#56 Spectropho	4	
0190-0194.DARK	900	16:33	11:04:32.6	+36:10:49	300	90	3.0	#56 Spectropho	2	

UT Date 2008-02-03 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	01:27	11:04:32.6	+36:10:49	300	90	3.0	#56 Spectropho	4	
0008-0017.BIAS	0	01:43	11:04:32.6	+36:10:49	300	90	3.0	#56 Spectropho	4	
0018-0027.FLAT	12	01:47	11:04:32.6	+36:10:49	300	90	3.0	#56 Spectropho	4	
0028-0037.BIAS	0	01:51	11:04:32.6	+36:10:49	300	90	3.0	#56 Spectropho	2	
0038-0057.FLAT	25	02:02	11:04:32.6	+36:10:49	300	90	3.0	#56 Spectropho	2	
0058.sn2008A	1800	02:11	01:38:17.4	+35:22:14	300	90	3.0	#2 SN Observat	2	row=79, PA=90
0059.COMP	12	02:41	01:38:17.4	+35:22:14	300	90	3.0	#2 SN Observat	2	
0060.sn2008Q	1200	02:44	01:24:57.2	+09:33:02	300	54	3.0	#2 SN Observat	2	
0061.COMP	12	03:06	01:24:57.2	+09:33:02	300	54	3.0	#2 SN Observat	2	
0062.hxPer429	240	03:12	02:20:27.7	+56:45:06	300	90	3.0	#170 h & chi P	2	
0063.COMP	12	03:17	02:20:27.7	+56:45:06	300	90	3.0	#170 h & chi P	2	
0064.hxPer430	180	03:19	02:23:04.7	+56:55:07	300	90	3.0	#170 h & chi P	2	
0065.COMP	12	03:23	02:23:04.7	+56:55:07	300	90	3.0	#170 h & chi P	2	
0066.hxPer431	240	03:24	02:17:00.4	+57:08:54	300	90	3.0	#170 h & chi P	2	
0067.COMP	12	03:29	02:17:00.4	+57:08:54	300	90	3.0	#170 h & chi P	2	
0068.hxPer432	240	03:30	02:18:57.0	+56:45:08	300	90	3.0	#170 h & chi P	2	cirrus coming in
0069.COMP	12	03:35	02:18:57.0	+56:45:08	300	90	3.0	#170 h & chi P	2	
0070.hxPer433	240	03:36	02:22:52.7	+57:18:10	300	90	3.0	#170 h & chi P	2	
0071.COMP	12	03:43	02:22:52.7	+57:18:10	300	90	3.0	#170 h & chi P	2	
0072.hxPer434	180	03:44	02:17:09.4	+56:43:44	300	90	3.0	#170 h & chi P	2	



UT Date 2008-02-03 Observers M Calkins

Coll. Focus 1280 Grating/Grism 300

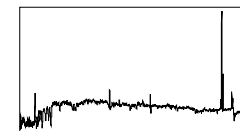
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.COMP	12	03:47	02:17:09.4	+56:43:44	300	90	3.0	#170 h & chi P	2	
0074.hxPer435	240	03:49	02:20:40.1	+56:49:05	300	90	3.0	#170 h & chi P	2	
0075.COMP	12	03:53	02:20:40.1	+56:49:05	300	90	3.0	#170 h & chi P	2	
0076.hxPer437	240	03:54	02:21:53.3	+57:25:15	300	90	3.0	#170 h & chi P	2	
0077.COMP	12	04:02	02:21:53.3	+57:25:15	300	90	3.0	#170 h & chi P	2	
0078.hxPer438	240	04:03	02:20:03.9	+56:57:14	300	90	3.0	#170 h & chi P	2	
0079.COMP	12	04:08	02:20:03.9	+56:57:14	300	90	3.0	#170 h & chi P	2	
0080.hxPer439	240	04:09	02:21:02.7	+56:54:46	300	90	3.0	#170 h & chi P	2	
0081.COMP	12	04:13	02:21:02.7	+56:54:46	300	90	3.0	#170 h & chi P	2	
0082.hxPer440	240	04:15	02:19:32.1	+56:44:24	300	90	3.0	#170 h & chi P	2	
0083.COMP	12	04:19	02:19:32.1	+56:44:24	300	90	3.0	#170 h & chi P	2	
0084.hxPer441	240	04:20	02:22:40.2	+56:54:13	300	90	3.0	#170 h & chi P	2	
0085.COMP	12	04:25	02:22:40.2	+56:54:13	300	90	3.0	#170 h & chi P	2	
0086.hxPer442	150	04:27	02:19:45.8	+56:53:04	300	90	3.0	#170 h & chi P	2	
0087.COMP	12	04:30	02:19:45.8	+56:53:04	300	90	3.0	#170 h & chi P	2	
0088.hxPer443	150	04:31	02:23:50.3	+57:04:37	300	90	3.0	#170 h & chi P	2	
0089.COMP	12	04:34	02:23:50.3	+57:04:37	300	90	3.0	#170 h & chi P	2	
0090.hxPer444	180	04:35	02:20:51.1	+57:08:48	300	90	3.0	#170 h & chi P	2	
0091.COMP	12	04:39	02:20:51.1	+57:08:48	300	90	3.0	#170 h & chi P	2	
0092.hxPer445	180	04:41	02:23:07.1	+57:23:03	300	90	3.0	#170 h & chi P	2	row=78

UT Date 2008-02-03 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.COMP	12	04:44	02:23:07.1	+57:23:03	300	90	3.0	#170 h & chi P	2	
0094.hxPer446	180	04:46	02:20:26.4	+56:49:38	300	90	3.0	#170 h & chi P	2	
0095.COMP	12	04:50	02:20:26.4	+56:49:38	300	90	3.0	#170 h & chi P	2	
0096.hxPer447	180	04:51	02:20:34.2	+57:03:10	300	80	3.0	#170 h & chi P	2	row=77
0097.COMP	12	05:00	02:20:34.2	+57:03:10	300	80	3.0	#170 h & chi P	2	
0098.hxPer448	200	05:02	02:21:51.9	+57:28:24	300	90	3.0	#170 h & chi P	2	
0099.COMP	12	05:06	02:21:51.9	+57:28:24	300	90	3.0	#170 h & chi P	2	
0100.05041545+2738121	720	05:08	05:04:15.5	+27:38:12	300	60	3.0	#141 Mapping t	2	row=80
0101.COMP	12	05:21	05:04:15.5	+27:38:12	300	60	3.0	#141 Mapping t	2	
0102.06291076-0038151	420	05:25	06:29:10.8	-00:38:15	300	90	3.0	#141 Mapping t	2	
0103.COMP	12	05:32	06:29:10.8	-00:38:15	300	90	3.0	#141 Mapping t	2	
0104.04430889+0044560	240	06:09	04:43:08.9	+00:44:56	300	90	3.0	#141 Mapping t	2	
0105.COMP	12	06:14	04:43:08.9	+00:44:56	300	90	3.0	#141 Mapping t	2	
0106.04452210+1329560	600	06:19	04:45:22.1	+13:29:56	300	20	3.0	#141 Mapping t	2	
0107.COMP	12	06:33	04:45:22.1	+13:29:56	300	20	3.0	#141 Mapping t	2	
0108.04452275+0730025	420	06:35	04:45:22.7	+07:30:02	300	90	3.0	#141 Mapping t	2	
0109.COMP	12	06:43	04:45:22.7	+07:30:02	300	90	3.0	#141 Mapping t	2	
0110.04460127+0058350	300	06:44	04:46:01.3	+00:58:35	300	90	3.0	#141 Mapping t	2	
0111.COMP	12	06:49	04:46:01.3	+00:58:35	300	90	3.0	#141 Mapping t	2	
0112.05013591+8200167	240	06:57	05:01:35.9	+82:00:17	300	75	3.0	#141 Mapping t	2	

UT Date 2008-02-03 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0113.COMP	12	07:02	05:01:35.9	+82:00:17	300	75	3.0	#141 Mapping t	2	
0114.05034961+7923258	420	07:03	05:03:49.6	+79:23:26	300	90	3.0	#141 Mapping t	2	row=80
0115.COMP	12	07:10	05:03:49.6	+79:23:26	300	90	3.0	#141 Mapping t	2	
0116.05035693+6754413	300	07:14	05:03:56.9	+67:54:41	300	60	3.0	#141 Mapping t	2	
0117.COMP	12	07:19	05:03:56.9	+67:54:41	300	60	3.0	#141 Mapping t	2	
0118.SDSSJ0917+6014	1800	07:24	09:17:18.1	+60:14:08	300	80	3.0	#181 Populatio	2	
0119.COMP	12	07:54	09:17:18.1	+60:14:08	300	80	3.0	#181 Populatio	2	
0120.SDSSJ0917+0559	1800	07:59	09:17:40.2	+05:59:49	300	90	3.0	#181 Populatio	2	
0121.COMP	12	08:30	09:17:40.2	+05:59:49	300	90	3.0	#181 Populatio	2	
0122.SDSSJ0925+3148	600	08:34	09:25:12.1	+31:48:34	300	90	3.0	#181 Populatio	2	
0123.COMP	12	08:45	09:25:12.1	+31:48:34	300	90	3.0	#181 Populatio	2	
0124.SDSSJ0925+2538	300	08:46	09:25:51.4	+25:38:58	300	90	3.0	#181 Populatio	2	
0125.COMP	12	08:51	09:25:51.4	+25:38:58	300	90	3.0	#181 Populatio	2	
0126.HD84937	13	08:55	09:48:54.9	+13:45:14	300	20	3.0	#56 Spectropho	2	
0127.HD84937	13	08:55	09:48:54.9	+13:45:14	300	20	3.0	#56 Spectropho	2	
0128.HD84937	13	08:56	09:48:54.9	+13:45:14	300	20	3.0	#56 Spectropho	2	
0129.COMP	12	08:57	09:48:54.9	+13:45:14	300	20	3.0	#56 Spectropho	2	
0130.Feige34	90	08:59	10:39:36.9	+43:06:11	300	16	3.0	#56 Spectropho	2	
0131.COMP	12	09:01	10:39:36.9	+43:06:11	300	16	3.0	#56 Spectropho	2	
0132.sn2008E	1800	09:19	11:25:37.0	+52:08:26	300	24	3.0	#2 SN Observat	2	

UT Date 2008-02-03 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>
0133.COMP	12	09:50	11:25:37.0	+52:08:26	300	24	3.0	#2 SN Observat	2	
0134.fmfs261	420	09:54	10:16:14.2	-11:05:23	300	110	3.0	#171 Local Uni	2	row=75
0135.COMP	12	10:01	10:16:14.2	-11:05:23	300	110	3.0	#171 Local Uni	2	
0136.fmfs262	720	10:04	10:16:14.6	-10:57:50	300	90	3.0	#171 Local Uni	2	
0137.COMP	12	10:16	10:16:14.6	-10:57:50	300	90	3.0	#171 Local Uni	2	
0138.fmfs263	1500	10:18	10:16:16.7	-10:37:39	300	90	3.0	#171 Local Uni	2	
0139.COMP	12	10:44	10:16:16.7	-10:37:39	300	90	3.0	#171 Local Uni	2	
0140.fmfs307	540	10:46	12:48:29.2	-08:31:29	300	90	3.0	#171 Local Uni	2	
0141.COMP	12	10:55	12:48:29.2	-08:31:29	300	90	3.0	#171 Local Uni	2	
0142.fmfs308	600	10:56	12:48:41.0	-10:28:56	300	90	3.0	#171 Local Uni	2	
0143.COMP	12	11:07	12:48:41.0	-10:28:56	300	90	3.0	#171 Local Uni	2	
0144.fmfs309	300	11:09	12:49:16.6	-08:17:54	300	80	3.0	#171 Local Uni	2	
0145.COMP	12	11:14	12:49:16.6	-08:17:54	300	80	3.0	#171 Local Uni	2	
0146.fmfs310	1800	11:16	12:49:20.9	-09:30:17	300	110	3.0	#171 Local Uni	2	
0147.COMP	12	11:47	12:49:20.9	-09:30:17	300	110	3.0	#171 Local Uni	2	
0148.fmfs311	420	11:51	12:49:28.1	-08:38:55	300	90	3.0	#171 Local Uni	2	
0149.COMP	12	11:58	12:49:28.1	-08:38:55	300	90	3.0	#171 Local Uni	2	
0150.fmfs312	480	12:00	12:49:30.3	-10:53:44	300	90	3.0	#171 Local Uni	2	
0151.COMP	12	12:08	12:49:30.3	-10:53:44	300	90	3.0	#171 Local Uni	2	
0152.fmfs313	360	12:09	12:49:42.4	-10:48:00	300	90	3.0	#171 Local Uni	2	

UT Date 2008-02-03 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0153.COMP	12	12:16	12:49:42.4	-10:48:00	300	90	3.0	#171 Local Uni	2	
0154.fmfs378	480	12:19	13:00:09.0	-08:15:12	300	90	3.0	#171 Local Uni	2	
0155.COMP	12	12:28	13:00:09.0	-08:15:12	300	90	3.0	#171 Local Uni	2	
0156.fmfs379	720	12:29	13:00:19.0	-08:21:05	300	90	3.0	#171 Local Uni	2	
0157.COMP	12	12:42	13:00:19.0	-08:21:05	300	90	3.0	#171 Local Uni	2	
0158.fmfs380	480	12:43	13:00:26.9	-09:29:30	300	90	3.0	#171 Local Uni	2	
0159.COMP	12	12:51	13:00:26.9	-09:29:30	300	90	3.0	#171 Local Uni	2	
0160.fmfs381	540	12:53	13:00:56.5	-09:05:32	300	90	3.0	#171 Local Uni	2	
0161.COMP	12	13:03	13:00:56.5	-09:05:32	300	90	3.0	#171 Local Uni	2	
0162.N5866	120	13:05	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0163.N5866	120	13:07	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0164.COMP	12	13:10	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0165.BDp332642	80	13:12	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0166.BDp332642	80	13:14	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0167.COMP	12	13:16	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0168.BDp262606	60	13:17	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0169.BDp262606	60	13:18	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0170.COMP	12	13:20	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0171-0180.BIAS	0	13:24	14:49:02.4	+25:42:09	300	90	3.0	#170 h & chi P	2	
0181-0200.FLAT	25	13:37	14:49:02.4	+25:42:09	300	90	3.0	#170 h & chi P	2	

UT Date 2008-02-03 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>
0201-0210.DARK	900	15:58	14:49:02.4	+25:42:09	300	90	3.0	#170 h & chi P	2	

UT Date 2008-02-04 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>
0001-0008.DARK	900	01:26	14:49:02.4	+25:42:09	300	90	3.0	#170 h & chi P	4	
0009-0018.BIAS	0	01:43	14:49:02.4	+25:42:09	300	90	3.0	#170 h & chi P	4	
0019-0028.FLAT	12	01:47	14:49:02.4	+25:42:09	300	90	3.0	#170 h & chi P	4	
0029-0038.BIAS	0	01:49	14:49:02.4	+25:42:09	300	90	3.0	#170 h & chi P	2	
0039.FLAT	25	01:50	14:49:02.4	+25:42:09	300	90	3.0	#170 h & chi P	2	cirrus overhead
0040-0058.FLAT	25	02:02	14:49:02.4	+25:42:09	300	90	3.0	#170 h & chi P	2	
0059-0088.DARK	900	15:51	01:24:57.2	+09:33:02	300	90	3.0	#2 SN Observat	2	

UT Date 2008-02-05 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	01:20	02:43:45.5	+31:28:19	300	90	3.0	#2 SN Observat	2	
0011-0025.FLAT	25	01:30	02:43:45.5	+31:28:19	300	90	3.0	#2 SN Observat	2	
0026-0035.DARK	900	04:00	02:43:45.5	+31:28:19	300	90	3.0	#2 SN Observat	2	
0036.HD84937	30	09:15	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	fog
0037.HD84937	30	09:15	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0038.HD84937	30	09:16	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0039.COMP	10	09:18	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0040.HD84937	40	09:27	09:48:54.9	+13:45:14	300	42	3.0	#56 Spectropho	2	fog
0041.HD84937	40	09:28	09:48:54.9	+13:45:14	300	42	3.0	#56 Spectropho	2	
0042.HD84937	40	09:31	09:48:54.9	+13:45:14	300	42	3.0	#56 Spectropho	2	
0043.COMP	10	09:32	09:48:54.9	+13:45:14	300	42	3.0	#56 Spectropho	2	
0044.Feige34	240	09:42	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	fog
0045.Feige34	240	09:49	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0046.COMP	10	09:54	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0047.cirsfastf058	896	09:59	10:59:56.6	+12:48:11	300	90	3.0	#172 SDSS Clus	2	stopped by fog
0048.COMP	10	10:14	10:59:56.6	+12:48:11	300	90	3.0	#172 SDSS Clus	2	

UT Date 2008-02-06 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	00:03	10:59:59.2	+08:57:36	300	90	3.0	#172 SDSS Clus	2	
0011-0025.FLAT	25	00:12	10:59:59.2	+08:57:36	300	90	3.0	#172 SDSS Clus	2	
0026-0028.DARK	900	00:45	10:59:59.2	+08:57:36	300	90	3.0	#172 SDSS Clus	2	
0029.sky	3	01:13	02:55:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	clear skies tonight
0030-0033.sky	3	01:14	02:55:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0034.COMP	10	01:15	02:55:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0035.ZAnd	1	01:44	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0036.ZAnd	5	01:44	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0037.ZAnd	30	01:45	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0038.COMP	10	01:46	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0039.EGAnd	1	01:47	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0040.EGAnd	5	01:47	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0041.COMP	10	01:47	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0042.AXPer	20	01:50	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0043.AXPer	100	01:51	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0044.COMP	10	01:53	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0045.IPHASB_1596	180	01:55	03:00:56.7	+61:59:41	300	90	3.0	#157 IPHAS	2	
0046.COMP	10	01:58	03:00:56.7	+61:59:41	300	90	3.0	#157 IPHAS	2	
0047.IPHASB_1593	182	02:00	03:00:10.3	+61:32:23	300	90	3.0	#157 IPHAS	2	
0048.COMP	10	02:03	03:00:10.3	+61:32:23	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-06 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>
0049.IPHASB_1594	482	02:04	03:00:23.6	+57:28:49	300	90	3.0	#157 IPHAS	2	
0050.COMP	10	02:13	03:00:23.6	+57:28:49	300	90	3.0	#157 IPHAS	2	
0051.IPHASB_1597	333	02:14	03:01:24.0	+61:02:21	300	90	3.0	#157 IPHAS	2	
0052.COMP	10	02:20	03:01:24.0	+61:02:21	300	90	3.0	#157 IPHAS	2	
0053.sn2008Q	1200	02:29	01:24:57.2	+09:33:02	300	55	3.0	#2 SN Observat	2	
0054.COMP	10	02:50	01:24:57.2	+09:33:02	300	55	3.0	#2 SN Observat	2	
0055.sn2008A	1800	02:53	01:38:17.4	+35:22:14	300	82	3.0	#2 SN Observat	2	
0056.COMP	10	03:23	01:38:17.4	+35:22:14	300	82	3.0	#2 SN Observat	2	
0057.sn2007gr	1800	03:25	02:43:28.0	+37:20:45	300	88	3.0	#2 SN Observat	2	
0058.COMP	10	03:56	02:43:28.0	+37:20:45	300	88	3.0	#2 SN Observat	2	
0059.IPHASB_1598	300	03:58	03:01:44.2	+63:28:54	300	88	3.0	#157 IPHAS	2	
0060.COMP	10	04:03	03:01:44.2	+63:28:54	300	88	3.0	#157 IPHAS	2	
0061.IPHASB_1600	300	04:04	03:03:32.3	+62:38:57	300	88	3.0	#157 IPHAS	2	
0062.COMP	10	04:10	03:03:32.3	+62:38:57	300	88	3.0	#157 IPHAS	2	
0063.IPHASB_1601	300	04:10	03:04:22.0	+57:48:20	300	88	3.0	#157 IPHAS	2	
0064.COMP	10	04:16	03:04:22.0	+57:48:20	300	88	3.0	#157 IPHAS	2	
0065.IPHASB_1602	210	04:17	03:04:23.3	+62:29:01	300	88	3.0	#157 IPHAS	2	
0066.COMP	10	04:21	03:04:23.3	+62:29:01	300	88	3.0	#157 IPHAS	2	
0067.IPHASB_1604	300	04:21	03:05:39.9	+61:07:26	300	88	3.0	#157 IPHAS	2	
0068.COMP	10	04:27	03:05:39.9	+61:07:26	300	88	3.0	#157 IPHAS	2	

UT Date 2008-02-06 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>
0069.IPHASB_1605	660	04:28	03:06:25.0	+61:43:59	300	88	3.0	#157 IPHAS	2	
0070.COMP	10	04:40	03:06:25.0	+61:43:59	300	88	3.0	#157 IPHAS	2	
0071.IPHASB_2168	180	04:44	06:35:54.8	-02:42:45	300	0	3.0	#157 IPHAS	2	
0072.COMP	10	04:48	06:35:54.8	-02:42:45	300	0	3.0	#157 IPHAS	2	
0073.IPHASB_2170	660	04:48	06:36:05.9	-02:25:56	300	0	3.0	#157 IPHAS	2	
0074.COMP	10	05:00	06:36:05.9	-02:25:56	300	0	3.0	#157 IPHAS	2	
0075.IPHASB_2171	420	05:01	06:36:07.6	-01:46:11	300	0	3.0	#157 IPHAS	2	
0076.COMP	10	05:08	06:36:07.6	-01:46:11	300	0	3.0	#157 IPHAS	2	
0077.IPHASB_2172	660	05:09	06:36:37.5	-02:21:28	300	0	3.0	#157 IPHAS	2	
0078.COMP	10	05:21	06:36:37.5	-02:21:28	300	0	3.0	#157 IPHAS	2	
0079.IPHASB_2175	180	05:23	06:36:43.3	-04:27:48	300	0	3.0	#157 IPHAS	2	
0080.COMP	10	05:26	06:36:43.3	-04:27:48	300	0	3.0	#157 IPHAS	2	
0081.IPHASB_2180	720	05:27	06:37:06.6	-02:31:31	300	0	3.0	#157 IPHAS	2	
0082.COMP	10	05:41	06:37:06.6	-02:31:31	300	0	3.0	#157 IPHAS	2	
0083.IPHASB_2182	180	05:42	06:38:41.5	-00:56:58	300	0	3.0	#157 IPHAS	2	
0084.COMP	10	05:45	06:38:41.5	-00:56:58	300	0	3.0	#157 IPHAS	2	
0085.IPHASB_2189	270	05:46	06:40:35.0	-01:56:48	300	0	3.0	#157 IPHAS	2	
0086.COMP	10	05:51	06:40:35.0	-01:56:48	300	0	3.0	#157 IPHAS	2	
0087.IPHASB_2190	180	05:51	06:41:11.0	-00:58:46	300	0	3.0	#157 IPHAS	2	
0088.COMP	10	05:55	06:41:11.0	-00:58:46	300	0	3.0	#157 IPHAS	2	

UT Date 2008-02-06 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>
0089.IPHASB_2191	180	05:56	06:41:16.5	-01:07:40	300	25	3.0	#157 IPHAS	2	
0090.COMP	10	06:00	06:41:16.5	-01:07:40	300	25	3.0	#157 IPHAS	2	
0091.IPHASB_2192	200	06:01	06:41:32.0	-01:25:49	300	25	3.0	#157 IPHAS	2	
0092.COMP	10	06:05	06:41:32.0	-01:25:49	300	25	3.0	#157 IPHAS	2	
0093.IPHASB_2193	720	06:06	06:41:32.7	-02:08:12	300	25	3.0	#157 IPHAS	2	
0094.COMP	10	06:18	06:41:32.7	-02:08:12	300	25	3.0	#157 IPHAS	2	
0095.IPHASB_2194	150	06:19	06:41:37.2	-03:55:46	300	25	3.0	#157 IPHAS	2	
0096.COMP	10	06:22	06:41:37.2	-03:55:46	300	25	3.0	#157 IPHAS	2	
0097.IPHASB_2181	360	06:23	06:37:12.6	+01:45:44	300	25	3.0	#157 IPHAS	2	
0098.COMP	10	06:30	06:37:12.6	+01:45:44	300	25	3.0	#157 IPHAS	2	
0099.IPHASB_2177	200	06:31	06:36:52.0	+02:11:04	300	25	3.0	#157 IPHAS	2	
0100.COMP	10	06:35	06:36:52.0	+02:11:04	300	25	3.0	#157 IPHAS	2	
0101.IPHASB_2174	300	06:35	06:36:42.0	+05:34:26	300	25	3.0	#157 IPHAS	2	
0102.COMP	10	06:41	06:36:42.0	+05:34:26	300	25	3.0	#157 IPHAS	2	
0103.IPHASB_2183	200	06:42	06:38:46.2	+03:43:25	300	25	3.0	#157 IPHAS	2	
0104.COMP	10	06:45	06:38:46.2	+03:43:25	300	25	3.0	#157 IPHAS	2	
0105.SDSS0839+5020	1200	06:50	08:39:14.1	+50:20:38	300	0	3.0	#165 Quasar Br	2	
0106.COMP	10	07:10	08:39:14.1	+50:20:38	300	0	3.0	#165 Quasar Br	2	
0107.SDSS0909+0002	1200	07:13	09:09:24.0	+00:02:11	300	0	3.0	#165 Quasar Br	2	
0108.COMP	10	07:33	09:09:24.0	+00:02:11	300	0	3.0	#165 Quasar Br	2	

UT Date 2008-02-06 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>
0109.SDSS0909+0002	1200	07:35	09:09:24.0	+00:02:11	300	6	3.0	#165 Quasar Br	2	
0110.COMP	10	07:56	09:09:24.0	+00:02:11	300	6	3.0	#165 Quasar Br	2	
0111.SDSS0909+0002	1200	07:57	09:09:24.0	+00:02:11	300	14	3.0	#165 Quasar Br	2	
0112.COMP	10	08:18	09:09:24.0	+00:02:11	300	14	3.0	#165 Quasar Br	2	
0113.HD84937	20	08:19	09:48:54.9	+13:45:14	300	7	3.0	#56 Spectropho	2	
0114.HD84937	20	08:20	09:48:54.9	+13:45:14	300	7	3.0	#56 Spectropho	2	
0115.HD84937	20	08:21	09:48:54.9	+13:45:14	300	7	3.0	#56 Spectropho	2	
0116.COMP	10	08:21	09:48:54.9	+13:45:14	300	7	3.0	#56 Spectropho	2	
0117.SDSS0959+6333	1200	08:25	09:59:29.9	+63:34:00	300	-7	3.0	#165 Quasar Br	2	
0118.COMP	10	08:45	09:59:29.9	+63:34:00	300	-7	3.0	#165 Quasar Br	2	
0119.SDSS0959+6333	1200	08:47	09:59:29.9	+63:34:00	300	-15	3.0	#165 Quasar Br	2	
0120.COMP	10	09:07	09:59:29.9	+63:34:00	300	-15	3.0	#165 Quasar Br	2	
0121.SDSS0959+6333	1200	09:09	09:59:29.9	+63:34:00	300	-24	3.0	#165 Quasar Br	2	
0122.COMP	10	09:29	09:59:29.9	+63:34:00	300	-24	3.0	#165 Quasar Br	2	
0123.Feige34	180	09:32	10:39:36.9	+43:06:11	300	-24	3.0	#56 Spectropho	2	
0124.Feige34	180	09:35	10:39:36.9	+43:06:11	300	-24	3.0	#56 Spectropho	2	
0125.COMP	10	09:38	10:39:36.9	+43:06:11	300	-24	3.0	#56 Spectropho	2	
0126.sn2008D	1800	09:42	09:09:30.6	+33:08:18	300	83	3.0	#2 SN Observat	2	
0127.COMP	10	10:13	09:09:30.6	+33:08:18	300	83	3.0	#2 SN Observat	2	
0128.SDSSJ1113+2029	1200	10:16	11:13:10.2	+20:29:16	300	45	3.0	#181 Populatio	2	

UT Date 2008-02-06 Observers P BerlindColl. Focus 1280 Grating/Grism 300

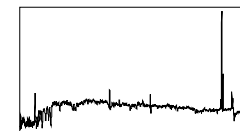
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0129.COMP	10	10:37	11:13:10.2	+20:29:16	300	45	3.0	#181 Populatio	2	
0130.SDSSJ1105+0916	1512	10:39	11:05:26.3	+09:16:05	300	45	3.0	#181 Populatio	2	
0131.COMP	10	11:04	11:05:26.3	+09:16:05	300	45	3.0	#181 Populatio	2	
0132.SDSSJ1113+2201	1800	11:06	11:13:52.6	+22:01:13	300	61	3.0	#181 Populatio	2	
0133.COMP	10	11:37	11:13:52.6	+22:01:13	300	61	3.0	#181 Populatio	2	
0134.fmfs314	720	11:39	12:49:47.4	-09:40:30	300	22	3.0	#171 Local Uni	2	
0135.COMP	10	11:51	12:49:47.4	-09:40:30	300	22	3.0	#171 Local Uni	2	
0136.fmfs315	300	11:52	12:49:48.3	-09:45:31	300	22	3.0	#171 Local Uni	2	
0137.COMP	10	11:57	12:49:48.3	-09:45:31	300	22	3.0	#171 Local Uni	2	
0138.fmfs316	240	11:58	12:49:49.3	-08:13:57	300	22	3.0	#171 Local Uni	2	
0139.COMP	10	12:02	12:49:49.3	-08:13:57	300	22	3.0	#171 Local Uni	2	
0140.fmfs317	600	12:03	12:49:58.4	-10:18:56	300	22	3.0	#171 Local Uni	2	
0141.COMP	10	12:14	12:49:58.4	-10:18:56	300	22	3.0	#171 Local Uni	2	
0142.fmfs322	551	12:15	12:52:00.5	-15:00:17	300	22	3.0	#171 Local Uni	2	
0143.COMP	10	12:24	12:52:00.5	-15:00:17	300	22	3.0	#171 Local Uni	2	
0144.fmfs333	300	12:25	12:54:22.9	-15:23:59	300	22	3.0	#171 Local Uni	2	
0145.COMP	10	12:30	12:54:22.9	-15:23:59	300	22	3.0	#171 Local Uni	2	
0146.fmfs321	480	12:31	12:51:26.3	-10:46:13	300	22	3.0	#171 Local Uni	2	
0147.COMP	10	12:40	12:51:26.3	-10:46:13	300	22	3.0	#171 Local Uni	2	
0148.fmfs323	120	12:41	12:52:15.7	-08:07:58	300	22	3.0	#171 Local Uni	2	



UT Date 2008-02-06 Observers P Berlind

Coll. Focus 1280 Grating/Grism 300

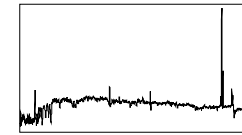
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0149.COMP	10	12:43	12:52:15.7	-08:07:58	300	22	3.0	#171 Local Uni	2	
0150.fmfs318	543	12:44	12:50:38.1	-08:34:39	300	22	3.0	#171 Local Uni	2	
0151.COMP	10	12:53	12:50:38.1	-08:34:39	300	22	3.0	#171 Local Uni	2	
0152.fmfs319	180	12:54	12:50:42.9	-08:45:55	300	22	3.0	#171 Local Uni	2	
0153.COMP	10	12:57	12:50:42.9	-08:45:55	300	22	3.0	#171 Local Uni	2	
0154.N4853	240	13:00	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0155.COMP	10	13:04	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0156-0165.BIAS	0	13:15	12:58:35.1	+27:35:47	300	90	3.0	#172 SDSS Clus	2	
0166-0180.FLAT	25	13:25	12:58:35.1	+27:35:47	300	90	3.0	#172 SDSS Clus	2	
0181-0185.DARK	900	14:35	12:58:35.1	+27:35:47	300	90	3.0	#172 SDSS Clus	2	

UT Date 2008-02-07 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	23:51	12:58:35.1	+27:35:47	300	90	3.0	#172 SDSS Clus	2	
0006-0015.BIAS	0	00:22	12:58:35.1	+27:35:47	300	90	3.0	#172 SDSS Clus	2	
0016-0030.FLAT	25	00:32	12:58:35.1	+27:35:47	300	90	3.0	#172 SDSS Clus	2	
0031-0035.sky	3	01:14	02:55:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0036.COMP	10	01:15	02:55:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0037.IPHASB_1613	200	01:55	03:12:51.3	+59:10:42	300	90	3.0	#157 IPHAS	2	
0038.COMP	10	01:59	03:12:51.3	+59:10:42	300	90	3.0	#157 IPHAS	2	
0039.IPHASB_1614	300	02:00	03:13:31.3	+62:48:42	300	90	3.0	#157 IPHAS	2	
0040.COMP	10	02:05	03:13:31.3	+62:48:42	300	90	3.0	#157 IPHAS	2	
0041.IPHASB_1612	300	02:06	03:12:08.9	+60:55:35	300	90	3.0	#157 IPHAS	2	please ignore brighter star to east
0042.COMP	10	02:12	03:12:08.9	+60:55:35	300	90	3.0	#157 IPHAS	2	
0043.IPHASB_1606	660	02:13	03:06:55.9	+57:32:07	300	90	3.0	#157 IPHAS	2	please ignore fainter star to east
0044.COMP	10	02:24	03:06:55.9	+57:32:07	300	90	3.0	#157 IPHAS	2	
0045.IPHASB_1610	512	02:25	03:11:41.7	+61:48:48	300	90	3.0	#157 IPHAS	2	
0046.COMP	10	02:34	03:11:41.7	+61:48:48	300	90	3.0	#157 IPHAS	2	
0047.SDSS0330-0718	1200	02:39	03:30:01.6	-07:18:28	300	20	3.0	#165 Quasar Br	2	
0048.COMP	10	02:59	03:30:01.6	-07:18:28	300	20	3.0	#165 Quasar Br	2	
0049.sn2008Q	1200	03:02	01:24:57.2	+09:33:02	300	57	3.0	#2 SN Observat	2	
0050.COMP	10	03:22	01:24:57.2	+09:33:02	300	57	3.0	#2 SN Observat	2	
0051.IPHASB_1611	660	03:26	03:12:07.8	+62:50:28	300	0	3.0	#157 IPHAS	2	

UT Date 2008-02-07 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.COMP	10	03:38	03:12:07.8	+62:50:28	300	0	3.0	#157 IPHAS	2	
0053.IPHASB_1615	600	03:38	03:13:33.3	+60:33:07	300	0	3.0	#157 IPHAS	2	
0054.COMP	10	03:49	03:13:33.3	+60:33:07	300	0	3.0	#157 IPHAS	2	
0055.IPHASB_1616	720	03:50	03:14:28.6	+56:36:13	300	0	3.0	#157 IPHAS	2	
0056.COMP	10	04:02	03:14:28.6	+56:36:13	300	0	3.0	#157 IPHAS	2	
0057.IPHASB_1617	720	04:03	03:15:51.3	+59:20:54	300	0	3.0	#157 IPHAS	2	
0058.COMP	10	04:16	03:15:51.3	+59:20:54	300	0	3.0	#157 IPHAS	2	
0059.IPHASB_1619	180	04:17	03:17:45.0	+57:12:04	300	0	3.0	#157 IPHAS	2	
0060.COMP	10	04:20	03:17:45.0	+57:12:04	300	0	3.0	#157 IPHAS	2	
0061.IPHASB_2176	660	04:22	06:36:47.6	+07:00:16	300	0	3.0	#157 IPHAS	2	
0062.COMP	10	04:34	06:36:47.6	+07:00:16	300	0	3.0	#157 IPHAS	2	
0063.IPHASB_2187	180	04:34	06:39:34.0	+06:11:49	300	0	3.0	#157 IPHAS	2	
0064.COMP	10	04:38	06:39:34.0	+06:11:49	300	0	3.0	#157 IPHAS	2	
0065.IPHASB_2188	180	04:39	06:39:47.3	+04:28:01	300	0	3.0	#157 IPHAS	2	
0066.COMP	10	04:42	06:39:47.3	+04:28:01	300	0	3.0	#157 IPHAS	2	
0067.IPHASB_2184	270	04:44	06:38:54.5	+00:34:19	300	0	3.0	#157 IPHAS	2	
0068.COMP	10	04:48	06:38:54.5	+00:34:19	300	0	3.0	#157 IPHAS	2	
0069.06291076-0038151	1500	04:49	06:29:10.8	-00:38:15	300	0	3.0	#141 Mapping t	2	redo from 2-2-08, weak
0070.COMP	10	05:15	06:29:10.8	-00:38:15	300	0	3.0	#141 Mapping t	2	
0071.SDSS0737+3844	1200	05:18	07:37:40.0	+38:44:13	300	0	3.0	#165 Quasar Br	2	

UT Date 2008-02-07 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.COMP	10	05:39	07:37:40.0	+38:44:13	300	0	3.0	#165 Quasar Br	2	
0073.SDSS0737+3844	1200	05:39	07:37:40.0	+38:44:13	300	0	3.0	#165 Quasar Br	2	seeing getting worse...
0074.COMP	10	05:59	07:37:40.0	+38:44:13	300	0	3.0	#165 Quasar Br	2	
0075.SDSS0737+3844	1200	06:00	07:37:40.0	+38:44:13	300	0	3.0	#165 Quasar Br	2	
0076.COMP	10	06:21	07:37:40.0	+38:44:13	300	0	3.0	#165 Quasar Br	2	
0077.SDSS0839+5020	1200	06:23	08:39:14.1	+50:20:38	300	0	3.0	#165 Quasar Br	2	
0078.COMP	10	06:44	08:39:14.1	+50:20:38	300	0	3.0	#165 Quasar Br	2	
0079.SDSS0909+0002	1200	06:48	09:09:24.0	+00:02:11	300	-1	3.0	#165 Quasar Br	2	
0080.COMP	10	07:09	09:09:24.0	+00:02:11	300	-1	3.0	#165 Quasar Br	2	
0081.SDSS0909+0002	1200	07:10	09:09:24.0	+00:02:11	300	-1	3.0	#165 Quasar Br	2	
0082.COMP	10	07:30	09:09:24.0	+00:02:11	300	-1	3.0	#165 Quasar Br	2	
0083.SDSS0909+0002	1200	07:31	09:09:24.0	+00:02:11	300	-1	3.0	#165 Quasar Br	2	
0084.COMP	10	07:51	09:09:24.0	+00:02:11	300	-1	3.0	#165 Quasar Br	2	
0085.SDSS0959+6333	1200	07:54	09:59:29.9	+63:34:00	300	-1	3.0	#165 Quasar Br	2	
0086.COMP	10	08:15	09:59:29.9	+63:34:00	300	-1	3.0	#165 Quasar Br	2	
0087.SDSS0959+6333	1200	08:15	09:59:29.9	+63:34:00	300	-1	3.0	#165 Quasar Br	2	
0088.COMP	10	08:36	09:59:29.9	+63:34:00	300	-1	3.0	#165 Quasar Br	2	
0089.SDSS0959+6333	1200	08:36	09:59:29.9	+63:34:00	300	-1	3.0	#165 Quasar Br	2	
0090.COMP	10	08:57	09:59:29.9	+63:34:00	300	-1	3.0	#165 Quasar Br	2	
0091.Feige34	210	08:58	10:39:36.9	+43:06:11	300	-1	3.0	#56 Spectropho	2	

UT Date 2008-02-07 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0092.Feige34	210	09:02	10:39:36.9	+43:06:11	300	-1	3.0	#56 Spectropho	2	
0093.COMP	10	09:06	10:39:36.9	+43:06:11	300	-1	3.0	#56 Spectropho	2	
0094.HD84937	20	09:08	09:48:54.9	+13:45:14	300	37	3.0	#56 Spectropho	2	
0095.HD84937	20	09:08	09:48:54.9	+13:45:14	300	37	3.0	#56 Spectropho	2	
0096.HD84937	20	09:09	09:48:54.9	+13:45:14	300	37	3.0	#56 Spectropho	2	
0097.COMP	10	09:09	09:48:54.9	+13:45:14	300	37	3.0	#56 Spectropho	2	
0098.SDSS0935+0335	1200	09:11	09:35:14.7	+03:35:46	300	37	3.0	#165 Quasar Br	2	
0099.COMP	10	09:31	09:35:14.7	+03:35:46	300	37	3.0	#165 Quasar Br	2	
0100.SDSS0935+0335	1200	09:32	09:35:14.7	+03:35:46	300	37	3.0	#165 Quasar Br	2	
0101.COMP	10	09:53	09:35:14.7	+03:35:46	300	37	3.0	#165 Quasar Br	2	
0102.SDSS0935+0335	1200	09:55	09:35:14.7	+03:35:46	300	44	3.0	#165 Quasar Br	2	
0103.COMP	10	10:15	09:35:14.7	+03:35:46	300	44	3.0	#165 Quasar Br	2	
0104.MRK421	240	10:17	11:04:27.4	+38:12:32	300	44	3.0	#6 AGN Monitor	2	
0105.COMP	10	10:21	11:04:27.4	+38:12:32	300	44	3.0	#6 AGN Monitor	2	
0106.fmfs320	480	10:23	12:51:05.2	-08:26:23	300	0	3.0	#171 Local Uni	2	
0107.COMP	10	10:32	12:51:05.2	-08:26:23	300	0	3.0	#171 Local Uni	2	
0108.fmfs324	360	10:32	12:52:17.7	-10:51:43	300	0	3.0	#171 Local Uni	2	
0109.COMP	10	10:39	12:52:17.7	-10:51:43	300	0	3.0	#171 Local Uni	2	
0110.fmfs325	360	10:40	12:52:42.6	-10:28:07	300	0	3.0	#171 Local Uni	2	
0111.COMP	10	10:46	12:52:42.6	-10:28:07	300	0	3.0	#171 Local Uni	2	

UT Date 2008-02-07 Observers P BerlindColl. Focus 1280 Grating/Grism 300

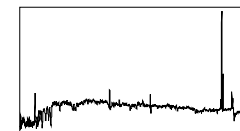
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0112.fmfs326	240	10:47	12:52:58.2	-10:27:00	300	0	3.0	#171 Local Uni	2	
0113.COMP	10	10:51	12:52:58.2	-10:27:00	300	0	3.0	#171 Local Uni	2	
0114.fmfs327	180	10:52	12:53:04.2	-10:21:57	300	0	3.0	#171 Local Uni	2	
0115.COMP	10	10:56	12:53:04.2	-10:21:57	300	0	3.0	#171 Local Uni	2	
0116.fmfs328	240	10:57	12:53:06.1	-10:08:15	300	0	3.0	#171 Local Uni	2	
0117.COMP	10	11:01	12:53:06.1	-10:08:15	300	0	3.0	#171 Local Uni	2	
0118.fmfs329	300	11:02	12:53:13.6	-11:02:09	300	0	3.0	#171 Local Uni	2	
0119.COMP	10	11:07	12:53:13.6	-11:02:09	300	0	3.0	#171 Local Uni	2	
0120.fmfs330	300	11:08	12:53:30.8	-10:26:25	300	0	3.0	#171 Local Uni	2	
0121.COMP	10	11:13	12:53:30.8	-10:26:25	300	0	3.0	#171 Local Uni	2	
0122.fmfs331	180	11:14	12:53:36.1	-10:17:56	300	0	3.0	#171 Local Uni	2	
0123.COMP	10	11:18	12:53:36.1	-10:17:56	300	0	3.0	#171 Local Uni	2	
0124.fmfs336	240	11:18	12:55:13.4	-10:14:30	300	0	3.0	#171 Local Uni	2	
0125.COMP	10	11:23	12:55:13.4	-10:14:30	300	0	3.0	#171 Local Uni	2	
0126.fmfs332	330	11:25	12:54:16.0	-07:32:18	300	0	3.0	#171 Local Uni	2	
0127.COMP	10	11:31	12:54:16.0	-07:32:18	300	0	3.0	#171 Local Uni	2	
0128.fmfs334	540	11:32	12:54:32.8	-07:45:56	300	0	3.0	#171 Local Uni	2	
0129.COMP	10	11:41	12:54:32.8	-07:45:56	300	0	3.0	#171 Local Uni	2	
0130.fmfs335	240	11:42	12:55:11.6	-07:32:52	300	0	3.0	#171 Local Uni	2	please also ignore that star
0131.COMP	10	11:47	12:55:11.6	-07:32:52	300	0	3.0	#171 Local Uni	2	

UT Date 2008-02-07 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>
0132.fmfs337	600	11:47	12:55:21.1	-07:19:37	300	0	3.0	#171 Local Uni	2	
0133.COMP	10	11:58	12:55:21.1	-07:19:37	300	0	3.0	#171 Local Uni	2	
0134.fmfs338	360	11:59	12:55:29.5	-07:46:06	300	0	3.0	#171 Local Uni	2	
0135.COMP	10	12:05	12:55:29.5	-07:46:06	300	0	3.0	#171 Local Uni	2	
0136.RWHya	2	12:06	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0137.RWHya	10	12:07	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0138.RWHya	20	12:07	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0139.COMP	10	12:08	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0140.fmfs341	660	12:10	12:55:53.2	-16:55:54	300	0	3.0	#171 Local Uni	2	
0141.COMP	10	12:21	12:55:53.2	-16:55:54	300	0	3.0	#171 Local Uni	2	
0142.fmfs339	360	12:22	12:55:42.3	-07:52:38	300	0	3.0	#171 Local Uni	2	
0143.COMP	10	12:28	12:55:42.3	-07:52:38	300	0	3.0	#171 Local Uni	2	
0144.fmfs340	210	12:29	12:55:47.1	-08:07:17	300	0	3.0	#171 Local Uni	2	
0145.COMP	10	12:33	12:55:47.1	-08:07:17	300	0	3.0	#171 Local Uni	2	
0146.fmfs343	120	12:34	12:55:59.9	-08:04:33	300	0	3.0	#171 Local Uni	2	
0147.COMP	10	12:36	12:55:59.9	-08:04:33	300	0	3.0	#171 Local Uni	2	
0148.fmfs344	120	12:37	12:56:01.9	-08:07:44	300	0	3.0	#171 Local Uni	2	
0149.COMP	10	12:39	12:56:01.9	-08:07:44	300	0	3.0	#171 Local Uni	2	
0150.TXCVn	10	12:43	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0151.TXCVn	30	12:43	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	

UT Date 2008-02-07 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>
0152.COMP	10	12:44	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0153.N4853	240	12:52	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0154.COMP	10	12:56	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0155.TCrB	10	12:57	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0156.TCrB	30	12:58	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0157.TCrB	60	12:59	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0158.COMP	10	13:00	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0159.AGDra	2	13:02	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0160.AGDra	15	13:03	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0161.AGDra	1	13:03	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0162.AGDra	45	13:03	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0163.COMP	10	13:04	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0164-0173.BIAS	0	13:12	15:52:00.0	+32:56:54	300	90	3.0	#165 Quasar Br	2	
0174-0188.FLAT	25	13:21	15:52:00.0	+32:56:54	300	90	3.0	#165 Quasar Br	2	
0189-0193.DARK	900	14:31	15:52:00.0	+32:56:54	300	90	3.0	#165 Quasar Br	2	

UT Date 2008-02-08 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	01:08	02:54:03.8	+31:28:24	300	90	3.0	#165 Quasar Br	4	BAD
0002-0010.BIAS	0	01:10	02:54:03.8	+31:28:24	300	90	3.0	#165 Quasar Br	4	
0011.FLAT	12	01:11	02:54:03.8	+31:28:24	300	90	3.0	#165 Quasar Br	4	BAD
0012-0020.FLAT	12	01:14	02:54:03.8	+31:28:24	300	90	3.0	#165 Quasar Br	4	
0021.BIAS	0	01:18	02:54:03.8	+31:28:24	300	90	3.0	#165 Quasar Br	2	BAD
0022-0030.BIAS	0	01:20	02:54:03.8	+31:28:24	300	90	3.0	#165 Quasar Br	2	
0031.FLAT	25	01:20	02:54:03.8	+31:28:24	300	90	3.0	#165 Quasar Br	2	BAD
0032-0050.FLAT	25	01:32	02:54:03.8	+31:28:24	300	90	3.0	#165 Quasar Br	2	
0051.M31	60	01:54	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	BAD
0052.M31	60	01:55	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	BAD
0053.COMP	12	01:57	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	BAD
0054.M31	60	01:58	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	4	BAD
0055.M31	60	01:59	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	4	BAD
0056.COMP	5	02:01	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	4	BAD
0057.IPHASB_1621	240	02:06	03:19:16.4	+55:34:58	300	90	3.0	#157 IPHAS	2	BAD
0058.COMP	12	02:10	03:19:16.4	+55:34:58	300	90	3.0	#157 IPHAS	2	BAD
0059.IPHASB_1622	300	02:13	03:19:35.4	+59:41:55	300	100	3.0	#157 IPHAS	2	BAD
0060.COMP	12	02:18	03:19:35.4	+59:41:55	300	100	3.0	#157 IPHAS	2	BAD
0061.IPHASB_1623	420	02:20	03:20:19.8	+62:06:24	300	90	3.0	#157 IPHAS	2	BAD
0062.COMP	12	02:28	03:20:19.8	+62:06:24	300	90	3.0	#157 IPHAS	2	BAD

UT Date 2008-02-08 Observers P BerlindColl. Focus 1280 Grating/Grism 300

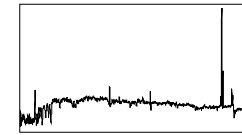
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.IPHASB_1624	240	02:29	03:20:25.4	+55:46:21	300	90	3.0	#157 IPHAS	2	BAD
0064.COMP	12	02:34	03:20:25.4	+55:46:21	300	90	3.0	#157 IPHAS	2	BAD
0065.IPHASB_1625	420	02:35	03:20:37.0	+54:54:08	300	90	3.0	#157 IPHAS	2	BAD
0066.COMP	12	02:43	03:20:37.0	+54:54:08	300	90	3.0	#157 IPHAS	2	BAD
0067.hxPer449	240	02:45	02:21:01.7	+56:53:21	300	90	3.0	#170 h & chi P	2	row=88 BAD
0068.COMP	12	02:50	02:21:01.7	+56:53:21	300	90	3.0	#170 h & chi P	2	BAD
0069.hxPer450	240	02:51	02:19:03.1	+56:57:10	300	90	3.0	#170 h & chi P	2	BAD
0070.COMP	12	02:56	02:19:03.1	+56:57:10	300	90	3.0	#170 h & chi P	2	BAD!
0071.hxPer451	300	02:57	02:17:10.4	+57:11:41	300	90	3.0	#170 h & chi P	2	row=92 BAD
0072.COMP	12	03:03	02:17:10.4	+57:11:41	300	90	3.0	#170 h & chi P	2	
0073.hxPer452	240	03:04	02:18:55.2	+56:43:17	300	90	3.0	#170 h & chi P	2	BAD!
0074.COMP	12	03:09	02:18:55.2	+56:43:17	300	90	3.0	#170 h & chi P	2	BAD!
0075.COMP	12	03:14	04:58:48.3	+31:29:40	300	90	3.0	#170 h & chi P	2	test, much better!
0076.sn2008Q	1200	03:18	01:24:57.2	+09:33:02	300	58	3.0	#2 SN Observat	2	
0077.COMP	12	03:39	01:24:57.2	+09:33:02	300	58	3.0	#2 SN Observat	2	
0078.hxPer449	240	03:42	02:21:01.7	+56:53:21	300	90	3.0	#170 h & chi P	2	row=80, redo
0079.COMP	12	03:46	02:21:01.7	+56:53:21	300	90	3.0	#170 h & chi P	2	redo
0080.hxPer450	240	03:48	02:19:03.1	+56:57:10	300	90	3.0	#170 h & chi P	2	redo
0081.COMP	12	03:52	02:19:03.1	+56:57:10	300	90	3.0	#170 h & chi P	2	redo
0082.hxPer451	240	03:54	02:17:10.4	+57:11:41	300	90	3.0	#170 h & chi P	2	row=81, redo

UT Date 2008-02-08 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.COMP	12	03:58	02:17:10.4	+57:11:41	300	90	3.0	#170 h & chi P	2	redo
0084.hxPer452	240	04:00	02:18:55.2	+56:43:17	300	90	3.0	#170 h & chi P	2	redo
0085.COMP	12	04:04	02:18:55.2	+56:43:17	300	90	3.0	#170 h & chi P	2	redo
0086.IPHASB_1621	240	04:06	03:19:16.4	+55:34:58	300	90	3.0	#157 IPHAS	2	redo
0087.COMP	12	04:11	03:19:16.4	+55:34:58	300	90	3.0	#157 IPHAS	2	redo
0088.IPHASB_1622	300	04:12	03:19:35.4	+59:41:55	300	100	3.0	#157 IPHAS	2	redo
0089.COMP	12	04:18	03:19:35.4	+59:41:55	300	100	3.0	#157 IPHAS	2	redo
0090.IPHASB_1623	420	04:20	03:20:19.8	+62:06:24	300	90	3.0	#157 IPHAS	2	redo
0091.COMP	12	04:27	03:20:19.8	+62:06:24	300	90	3.0	#157 IPHAS	2	redo
0092.IPHASB_1624	240	04:28	03:20:25.4	+55:46:21	300	90	3.0	#157 IPHAS	2	redo
0093.COMP	12	04:33	03:20:25.4	+55:46:21	300	90	3.0	#157 IPHAS	2	redo
0094.IPHASB_1625	420	04:34	03:20:37.0	+54:54:08	300	90	3.0	#157 IPHAS	2	redo
0095.COMP	12	04:42	03:20:37.0	+54:54:08	300	90	3.0	#157 IPHAS	2	redo
0096.SDSS0909+0002	1200	05:01	09:09:24.0	+00:02:11	300	90	3.0	#165 Quasar Br	2	
0097.SDSS0909+0002	1200	05:21	09:09:24.0	+00:02:11	300	90	3.0	#165 Quasar Br	2	
0098.SDSS0909+0002	1200	05:41	09:09:24.0	+00:02:11	300	90	3.0	#165 Quasar Br	2	
0099.COMP	12	06:02	09:09:24.0	+00:02:11	300	90	3.0	#165 Quasar Br	2	
0100.SDSS0920+4954	1200	06:05	09:20:11.3	+49:54:04	300	90	3.0	#165 Quasar Br	2	
0101.COMP	12	06:25	09:20:11.3	+49:54:04	300	90	3.0	#165 Quasar Br	2	
0102.SDSS0839+5020	1200	06:27	08:39:14.1	+50:20:38	300	90	3.0	#165 Quasar Br	2	

UT Date 2008-02-08 Observers P BerlindColl. Focus 1280 Grating/Grism 300

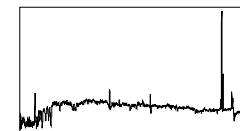
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0103.COMP	12	06:48	08:39:14.1	+50:20:38	300	90	3.0	#165 Quasar Br	2	
0104.SDSS0959+6333	1200	06:57	09:59:29.9	+63:34:00	300	90	3.0	#165 Quasar Br	2	
0105.SDSS0959+6333	1200	07:17	09:59:29.9	+63:34:00	300	90	3.0	#165 Quasar Br	2	
0106.SDSS0959+6333	1200	07:37	09:59:29.9	+63:34:00	300	90	3.0	#165 Quasar Br	2	
0107.COMP	12	07:58	09:59:29.9	+63:34:00	300	90	3.0	#165 Quasar Br	2	
0108.SDSS0803+3022	1200	08:01	08:03:42.0	+30:22:55	300	90	3.0	#165 Quasar Br	2	
0109.COMP	12	08:22	08:03:42.0	+30:22:55	300	90	3.0	#165 Quasar Br	2	
0110.SDSS0845+3420	1200	08:23	08:45:38.7	+34:20:44	300	90	3.0	#165 Quasar Br	2	
0111.SDSS0845+3420	1200	08:44	08:45:38.7	+34:20:44	300	90	3.0	#165 Quasar Br	2	
0112.SDSS0845+3420	1200	09:04	08:45:38.7	+34:20:44	300	90	3.0	#165 Quasar Br	2	
0113.COMP	12	09:24	08:45:38.7	+34:20:44	300	90	3.0	#165 Quasar Br	2	
0114.HD84937	15	09:27	09:48:54.9	+13:45:14	300	44	3.0	#56 Spectropho	2	
0115.HD84937	15	09:28	09:48:54.9	+13:45:14	300	44	3.0	#56 Spectropho	2	
0116.HD84937	15	09:28	09:48:54.9	+13:45:14	300	44	3.0	#56 Spectropho	2	
0117.COMP	12	09:29	09:48:54.9	+13:45:14	300	44	3.0	#56 Spectropho	2	
0118.HD84937	10	09:30	09:48:54.9	+13:45:14	300	44	3.0	#56 Spectropho	2	
0119.HD84937	10	09:30	09:48:54.9	+13:45:14	300	44	3.0	#56 Spectropho	2	
0120.HD84937	10	09:31	09:48:54.9	+13:45:14	300	44	3.0	#56 Spectropho	2	
0121.COMP	12	09:33	09:48:54.9	+13:45:14	300	44	3.0	#56 Spectropho	2	
0122.Feige34	70	09:36	10:39:36.9	+43:06:11	300	-39	3.0	#56 Spectropho	2	

UT Date 2008-02-08 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0123.COMP	12	09:39	10:39:36.9	+43:06:11	300	-39	3.0	#56 Spectropho	2	
0124.MRK421	300	09:44	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0125.MRK421	300	09:49	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0126.MRK421	300	09:55	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0127.COMP	12	10:00	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0128.sn2008X	1800	10:04	12:09:48.3	+58:51:02	300	9	3.0	#2 SN Observat	2	
0129.COMP	12	10:35	12:09:48.3	+58:51:02	300	9	3.0	#2 SN Observat	2	
0130.sn2008U	1800	10:41	13:59:48.3	+40:22:52	300	73	3.0	#2 SN Observat	2	
0131.COMP	12	11:11	13:59:48.3	+40:22:52	300	73	3.0	#2 SN Observat	2	
0132.cirsfastf059	300	11:15	10:59:59.2	+08:57:36	300	90	3.0	#172 SDSS Clus	2	
0133.COMP	12	11:20	10:59:59.2	+08:57:36	300	90	3.0	#172 SDSS Clus	2	
0134.cirsfastf060	240	11:22	11:00:00.8	+09:21:47	300	90	3.0	#172 SDSS Clus	2	
0135.COMP	12	11:26	11:00:00.8	+09:21:47	300	90	3.0	#172 SDSS Clus	2	
0136.cirsfastf061	600	11:28	11:00:22.9	+13:09:56	300	90	3.0	#172 SDSS Clus	2	
0137.COMP	12	11:38	11:00:22.9	+13:09:56	300	90	3.0	#172 SDSS Clus	2	
0138.cirsfastf062	1020	11:40	11:01:40.5	+08:49:05	300	90	3.0	#172 SDSS Clus	2	
0139.COMP	12	11:57	11:01:40.5	+08:49:05	300	90	3.0	#172 SDSS Clus	2	
0140.cirsfastf064	900	12:00	11:05:14.2	+11:22:03	300	100	3.0	#172 SDSS Clus	2	
0141.COMP	12	12:16	11:05:14.2	+11:22:03	300	100	3.0	#172 SDSS Clus	2	
0142.fmfs406	420	12:20	14:05:21.4	-09:25:39	300	90	3.0	#171 Local Uni	2	row=77

UT Date 2008-02-08 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>
0143.COMP	12	12:28	14:05:21.4	-09:25:39	300	90	3.0	#171 Local Uni	2	
0144.fmfs407	300	12:29	14:05:57.5	-09:30:21	300	90	3.0	#171 Local Uni	2	row=78
0145.COMP	12	12:35	14:05:57.5	-09:30:21	300	90	3.0	#171 Local Uni	2	
0146.fmfs408	240	12:36	14:06:00.3	-09:18:48	300	90	3.0	#171 Local Uni	2	
0147.COMP	12	12:41	14:06:00.3	-09:18:48	300	90	3.0	#171 Local Uni	2	
0148.fmfs409	240	12:42	14:06:11.7	-09:16:19	300	90	3.0	#171 Local Uni	2	
0149.COMP	12	12:46	14:06:11.7	-09:16:19	300	90	3.0	#171 Local Uni	2	
0150.fmfs411	300	12:47	14:07:02.9	-09:47:48	300	75	3.0	#171 Local Uni	2	
0151.COMP	12	12:53	14:07:02.9	-09:47:48	300	75	3.0	#171 Local Uni	2	
0152.fmfs412	300	12:54	14:07:22.2	-09:52:05	300	90	3.0	#171 Local Uni	2	
0153.COMP	12	13:00	14:07:22.2	-09:52:05	300	90	3.0	#171 Local Uni	2	
0154.fmfs413	420	13:01	14:07:24.2	-08:54:09	300	90	3.0	#171 Local Uni	2	
0155.COMP	12	13:09	14:07:24.2	-08:54:09	300	90	3.0	#171 Local Uni	2	
0156-0165.BIAS	0	13:14	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	4	
0166-0175.FLAT	12	13:17	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	4	
0176-0185.BIAS	0	13:22	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	2	
0186-0225.FLAT	25	13:46	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	2	
0226-0230.DARK	900	14:51	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	4	
0231-0235.DARK	900	16:07	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	2	

UT Date 2008-02-09 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	01:19	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	4	
0008-0017.BIAS	0	01:36	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	4	
0018-0027.FLAT	12	01:44	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	4	
0028-0037.BIAS	0	01:47	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	2	
0038.FLAT	25	01:48	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	2	some clouds
0039-0057.FLAT	25	02:00	14:07:24.2	-08:54:09	300	90	3.0	#165 Quasar Br	2	
0058.sn2008Q	1200	02:07	01:24:57.2	+09:33:02	300	52	3.0	#2 SN Observat	2	
0059.COMP	12	02:28	01:24:57.2	+09:33:02	300	52	3.0	#2 SN Observat	2	
0060.hxPer453	120	02:32	02:17:17.8	+57:21:37	300	100	3.0	#170 h & chi P	2	
0061.COMP	12	02:34	02:17:17.8	+57:21:37	300	100	3.0	#170 h & chi P	2	
0062.hxPer454	180	02:37	02:23:03.4	+56:46:06	300	90	3.0	#170 h & chi P	2	
0063.COMP	12	02:40	02:23:03.4	+56:46:06	300	90	3.0	#170 h & chi P	2	
0064.hxPer455	240	02:52	02:23:42.1	+57:12:46	300	90	3.0	#170 h & chi P	2	
0065.COMP	12	02:57	02:23:42.1	+57:12:46	300	90	3.0	#170 h & chi P	2	
0066.hxPer456	180	02:58	02:23:50.3	+57:06:53	300	90	3.0	#170 h & chi P	2	
0067.COMP	12	03:02	02:23:50.3	+57:06:53	300	90	3.0	#170 h & chi P	2	
0068.hxPer457	240	03:03	02:17:08.9	+56:55:48	300	90	3.0	#170 h & chi P	2	
0069.COMP	12	03:08	02:17:08.9	+56:55:48	300	90	3.0	#170 h & chi P	2	
0070.hxPer458	180	03:10	02:20:33.6	+56:49:58	300	90	3.0	#170 h & chi P	2	
0071.COMP	12	03:13	02:20:33.6	+56:49:58	300	90	3.0	#170 h & chi P	2	

UT Date 2008-02-09 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.hxPer459	240	03:14	02:21:48.7	+56:42:19	300	90	3.0	#170 h & chi P	2	
0073.COMP	12	03:19	02:21:48.7	+56:42:19	300	90	3.0	#170 h & chi P	2	
0074.hxPer460	240	03:20	02:23:56.4	+56:57:03	300	70	3.0	#170 h & chi P	2	
0075.COMP	12	03:25	02:23:56.4	+56:57:03	300	70	3.0	#170 h & chi P	2	
0076.hxPer461	180	03:26	02:21:07.3	+56:49:57	300	90	3.0	#170 h & chi P	2	
0077.COMP	12	03:30	02:21:07.3	+56:49:57	300	90	3.0	#170 h & chi P	2	
0078.hxPer462	240	03:31	02:22:00.7	+57:05:06	300	90	3.0	#170 h & chi P	2	row=82
0079.COMP	12	03:35	02:22:00.7	+57:05:06	300	90	3.0	#170 h & chi P	2	
0080.hxPer463	300	03:37	02:17:23.0	+57:08:41	300	90	3.0	#170 h & chi P	2	
0081.COMP	12	03:44	02:17:23.0	+57:08:41	300	90	3.0	#170 h & chi P	2	
0082.hxPer464	240	03:47	02:18:53.2	+57:09:43	300	90	3.0	#170 h & chi P	2	
0083.COMP	12	03:52	02:18:53.2	+57:09:43	300	90	3.0	#170 h & chi P	2	
0084.hxPer465	240	03:55	02:19:02.8	+56:54:11	300	109	3.0	#170 h & chi P	2	
0085.COMP	12	04:00	02:19:02.8	+56:54:11	300	109	3.0	#170 h & chi P	2	
0086.hxPer466	300	04:02	02:24:16.8	+57:15:41	300	90	3.0	#170 h & chi P	2	
0087.COMP	12	04:08	02:24:16.8	+57:15:41	300	90	3.0	#170 h & chi P	2	
0088.hxPer467	240	04:09	02:22:00.7	+56:47:52	300	90	3.0	#170 h & chi P	2	
0089.COMP	12	04:14	02:22:00.7	+56:47:52	300	90	3.0	#170 h & chi P	2	
0090.hxPer468	240	04:16	02:17:18.1	+57:22:30	300	90	3.0	#170 h & chi P	2	
0091.COMP	12	04:20	02:17:18.1	+57:22:30	300	90	3.0	#170 h & chi P	2	

UT Date 2008-02-09 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

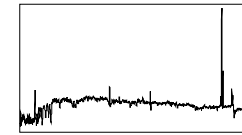
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0092.hxPer469	240	04:22	02:19:32.6	+56:55:37	300	90	3.0	#170 h & chi P	2	
0093.COMP	12	04:26	02:19:32.6	+56:55:37	300	90	3.0	#170 h & chi P	2	
0094.hxPer470	240	04:30	02:23:10.5	+56:51:53	300	90	3.0	#170 h & chi P	2	
0095.COMP	12	04:34	02:23:10.5	+56:51:53	300	90	3.0	#170 h & chi P	2	
0096.hxPer471	240	04:35	02:17:40.5	+56:46:13	300	90	3.0	#170 h & chi P	2	
0097.COMP	12	04:40	02:17:40.5	+56:46:13	300	90	3.0	#170 h & chi P	2	
0098.hxPer472	300	04:41	02:20:03.7	+56:57:59	300	90	3.0	#170 h & chi P	2	
0099.COMP	12	04:47	02:20:03.7	+56:57:59	300	90	3.0	#170 h & chi P	2	
0100.hxPer473	300	04:48	02:21:28.1	+57:24:41	300	90	3.0	#170 h & chi P	2	
0101.COMP	12	04:54	02:21:28.1	+57:24:41	300	90	3.0	#170 h & chi P	2	
0102.4dlxfast030	600	04:59	08:15:58.3	+58:23:32	300	90	3.0	#172 SDSS Clus	2	
0103.COMP	12	05:10	08:15:58.3	+58:23:32	300	90	3.0	#172 SDSS Clus	2	
0104.4dlxfast031	420	05:12	08:16:05.7	+58:59:57	300	90	3.0	#172 SDSS Clus	2	
0105.COMP	12	05:19	08:16:05.7	+58:59:57	300	90	3.0	#172 SDSS Clus	2	
0106.4dlxfast032	1200	05:20	08:16:09.8	+55:00:53	300	90	3.0	#172 SDSS Clus	2	
0107.COMP	12	05:41	08:16:09.8	+55:00:53	300	90	3.0	#172 SDSS Clus	2	
0108.4dlxfast033	420	05:43	08:16:14.1	+58:56:25	300	90	3.0	#172 SDSS Clus	2	
0109.COMP	12	05:50	08:16:14.1	+58:56:25	300	90	3.0	#172 SDSS Clus	2	
0110.4dlxfast034	600	05:52	08:16:16.1	+57:10:02	300	90	3.0	#172 SDSS Clus	2	
0111.COMP	12	06:02	08:16:16.1	+57:10:02	300	90	3.0	#172 SDSS Clus	2	

UT Date 2008-02-09 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>
0112.4dlxfast035	240	06:03	08:16:27.5	+58:05:25	300	90	3.0	#172 SDSS Clus	2	
0113.COMP	12	06:08	08:16:27.5	+58:05:25	300	90	3.0	#172 SDSS Clus	2	
0114.4dlxfast036	240	06:10	08:16:32.5	+57:33:27	300	90	3.0	#172 SDSS Clus	2	
0115.COMP	12	06:14	08:16:32.5	+57:33:27	300	90	3.0	#172 SDSS Clus	2	
0116.4dlxfast037	240	06:15	08:16:32.6	+58:16:30	300	90	3.0	#172 SDSS Clus	2	
0117.COMP	12	06:20	08:16:32.6	+58:16:30	300	90	3.0	#172 SDSS Clus	2	
0118.4dlxfast038	1800	06:21	08:16:34.1	+57:59:40	300	90	3.0	#172 SDSS Clus	2	
0119.COMP	12	06:52	08:16:34.1	+57:59:40	300	90	3.0	#172 SDSS Clus	2	
0120.4dlxfast039	300	06:54	08:17:05.5	+57:01:11	300	80	3.0	#172 SDSS Clus	2	
0121.COMP	12	06:59	08:17:05.5	+57:01:11	300	80	3.0	#172 SDSS Clus	2	
0122.HD84937	10	07:03	09:48:54.9	+13:45:14	300	-33	3.0	#56 Spectropho	2	
0123.HD84937	10	07:04	09:48:54.9	+13:45:14	300	-33	3.0	#56 Spectropho	2	
0124.HD84937	10	07:04	09:48:54.9	+13:45:14	300	-33	3.0	#56 Spectropho	2	
0125.COMP	12	07:05	09:48:54.9	+13:45:14	300	-33	3.0	#56 Spectropho	2	
0126.sn2008Z	1500	07:09	09:43:15.2	+36:17:04	300	66	3.0	#2 SN Observat	2	
0127.COMP	12	07:35	09:43:15.2	+36:17:04	300	66	3.0	#2 SN Observat	2	
0128.cirfastf063	1800	07:38	11:04:08.9	+08:21:59	300	90	3.0	#172 SDSS Clus	2	
0129.COMP	12	08:09	11:04:08.9	+08:21:59	300	90	3.0	#172 SDSS Clus	2	
0130.cirfastf066	300	08:10	11:07:53.3	+08:56:32	300	90	3.0	#172 SDSS Clus	2	
0131.COMP	12	08:16	11:07:53.3	+08:56:32	300	90	3.0	#172 SDSS Clus	2	

UT Date 2008-02-09 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0132.cirsfastf067	240	08:19	11:10:49.6	+10:09:09	300	90	3.0	#172 SDSS Clus	2	
0133.COMP	12	08:23	11:10:49.6	+10:09:09	300	90	3.0	#172 SDSS Clus	2	
0134.cirsfastf068	300	08:25	11:14:59.7	+04:04:52	300	90	3.0	#172 SDSS Clus	2	
0135.COMP	12	08:31	11:14:59.7	+04:04:52	300	90	3.0	#172 SDSS Clus	2	
0136.Feige34	90	08:34	10:39:36.9	+43:06:11	300	20	3.0	#56 Spectropho	2	
0137.COMP	12	08:36	10:39:36.9	+43:06:11	300	20	3.0	#56 Spectropho	2	
0138.cirsfastf070	720	08:39	11:17:31.0	+04:27:27	300	95	3.0	#172 SDSS Clus	2	
0139.COMP	12	08:52	11:17:31.0	+04:27:27	300	95	3.0	#172 SDSS Clus	2	
0140.cirsfastf071	1080	08:54	11:17:57.4	+04:22:19	300	90	3.0	#172 SDSS Clus	2	
0141.COMP	12	09:13	11:17:57.4	+04:22:19	300	90	3.0	#172 SDSS Clus	2	
0142.cirsfastf072	720	09:15	11:19:49.1	+02:16:35	300	95	3.0	#172 SDSS Clus	2	
0143.COMP	12	09:27	11:19:49.1	+02:16:35	300	95	3.0	#172 SDSS Clus	2	
0144.sn2008Y	1800	09:33	11:19:30.6	+54:27:46	300	-2	3.0	#2 SN Observat	2	row=78
0145.COMP	12	10:04	11:19:30.6	+54:27:46	300	-2	3.0	#2 SN Observat	2	
0146.cirsfastf073	420	10:08	11:20:31.2	+01:21:07	300	90	3.0	#172 SDSS Clus	2	
0147.COMP	12	10:15	11:20:31.2	+01:21:07	300	90	3.0	#172 SDSS Clus	2	
0148.SDSSJ0930+0618	1020	10:18	09:30:31.0	+06:18:53	300	85	3.0	#181 Populatio	2	
0149.COMP	12	10:35	09:30:31.0	+06:18:53	300	85	3.0	#181 Populatio	2	
0150.SDSSJ0934+0924	900	10:38	09:34:44.6	+09:24:43	300	90	3.0	#181 Populatio	2	
0151.COMP	12	10:54	09:34:44.6	+09:24:43	300	90	3.0	#181 Populatio	2	

UT Date 2008-02-09 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>
0152.SDSSJ0935+4429	1200	10:56	09:35:02.0	+44:29:41	300	90	3.0	#181 Populatio	2	
0153.COMP	12	11:17	09:35:02.0	+44:29:41	300	90	3.0	#181 Populatio	2	
0154.SDSSJ0935+2249	360	11:19	09:35:16.8	+22:49:40	300	90	3.0	#181 Populatio	2	
0155.COMP	12	11:26	09:35:16.8	+22:49:40	300	90	3.0	#181 Populatio	2	
0156.SDSSJ0935+1621	300	11:28	09:35:41.3	+16:21:10	300	90	3.0	#181 Populatio	2	
0157.COMP	12	11:33	09:35:41.3	+16:21:10	300	90	3.0	#181 Populatio	2	
0158.SDSSJ1116+4939	1200	11:36	11:16:50.3	+49:39:04	300	90	3.0	#181 Populatio	2	
0159.COMP	12	11:57	11:16:50.3	+49:39:04	300	90	3.0	#181 Populatio	2	
0160.SDSSJ1118+2151	300	11:59	11:18:16.7	+21:51:00	300	90	3.0	#181 Populatio	2	
0161.COMP	12	12:04	11:18:16.7	+21:51:00	300	90	3.0	#181 Populatio	2	
0162.SDSSJ1119+6736	1200	12:15	11:19:46.7	+67:36:31	300	90	3.0	#181 Populatio	2	
0163.COMP	12	12:36	11:19:46.7	+67:36:31	300	90	3.0	#181 Populatio	2	
0164.SDSSJ1120+5257	600	12:38	11:20:35.2	+52:57:54	300	90	3.0	#181 Populatio	2	
0165.COMP	12	12:49	11:20:35.2	+52:57:54	300	90	3.0	#181 Populatio	2	
0166.SDSSJ1121+4756	1200	12:51	11:21:27.9	+47:56:25	300	95	3.0	#181 Populatio	2	
0167.COMP	12	13:12	11:21:27.9	+47:56:25	300	95	3.0	#181 Populatio	2	
0168.BDp332642	80	13:14	15:52:00.0	+32:56:54	300	95	3.0	#56 Spectropho	2	
0169.COMP	12	13:16	15:52:00.0	+32:56:54	300	95	3.0	#56 Spectropho	2	
0170-0179.BIAS	0	13:26	15:52:00.0	+32:56:54	300	95	3.0	#172 SDSS Clus	4	
0180-0189.FLAT	12	13:31	15:52:00.0	+32:56:54	300	95	3.0	#172 SDSS Clus	4	



UT Date 2008-02-09 Observers M Calkins

Coll. 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>
0190-0199.BIAS	0	13:34	15:52:00.0	+32:56:54	300	95	3.0	#172 SDSS Clus	2	
0200-0219.FLAT	25	13:46	15:52:00.0	+32:56:54	300	95	3.0	#172 SDSS Clus	2	
0220-0229.DARK	900	16:06	15:52:00.0	+32:56:54	300	95	3.0	#172 SDSS Clus	2	

UT Date 2008-02-10 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0004.DARK	900	01:19	15:52:00.0	+32:56:54	300	95	3.0	#172 SDSS Clus	4	
0005-0014.BIAS	0	01:42	15:52:00.0	+32:56:54	300	95	3.0	#172 SDSS Clus	4	
0015-0024.FLAT	12	01:46	15:52:00.0	+32:56:54	300	95	3.0	#172 SDSS Clus	4	
0025-0034.BIAS	0	01:49	15:52:00.0	+32:56:54	300	95	3.0	#172 SDSS Clus	2	
0035-0054.FLAT	25	02:03	15:52:00.0	+32:56:54	300	95	3.0	#172 SDSS Clus	2	
0055.M31	60	02:09	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	02:11	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	4	
0057.M31	60	02:11	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	
0058.COMP	12	02:13	00:42:44.0	+41:16:09	300	90	3.0	#57 Velocity S	2	
0059.sn2008A	1800	02:16	01:38:17.4	+35:22:14	300	85	3.0	#2 SN Observat	2	
0060.COMP	12	02:47	01:38:17.4	+35:22:14	300	85	3.0	#2 SN Observat	2	
0061.hxPer474	180	02:49	02:20:58.2	+57:29:35	300	90	3.0	#170 h & chi P	2	
0062.COMP	12	02:53	02:20:58.2	+57:29:35	300	90	3.0	#170 h & chi P	2	
0063.hxPer475	240	02:56	02:21:58.8	+57:29:40	300	90	3.0	#170 h & chi P	2	
0064.COMP	12	03:00	02:21:58.8	+57:29:40	300	90	3.0	#170 h & chi P	2	
0065.hxPer476	240	03:04	02:18:52.7	+56:43:36	300	90	3.0	#170 h & chi P	2	
0066.COMP	12	03:08	02:18:52.7	+56:43:36	300	90	3.0	#170 h & chi P	2	
0067.hxPer477	240	03:10	02:20:23.4	+57:03:25	300	90	3.0	#170 h & chi P	2	
0068.COMP	12	03:14	02:20:23.4	+57:03:25	300	90	3.0	#170 h & chi P	2	
0069.hxPer480	240	03:16	02:21:19.3	+57:20:13	300	90	3.0	#170 h & chi P	2	

UT Date 2008-02-10 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.COMP	12	03:21	02:21:19.3	+57:20:13	300	90	3.0	#170 h & chi P	2	
0071.hxPer481	240	03:23	02:23:54.9	+56:56:23	300	90	3.0	#170 h & chi P	2	
0072.COMP	12	03:27	02:23:54.9	+56:56:23	300	90	3.0	#170 h & chi P	2	
0073.hxPer482	240	03:29	02:17:37.2	+57:01:59	300	90	3.0	#170 h & chi P	2	row=80
0074.COMP	12	03:34	02:17:37.2	+57:01:59	300	90	3.0	#170 h & chi P	2	
0075.hxPer483	240	03:35	02:18:26.7	+57:11:48	300	90	3.0	#170 h & chi P	2	row=79
0076.COMP	12	03:40	02:18:26.7	+57:11:48	300	90	3.0	#170 h & chi P	2	
0077.hxPer484	240	03:42	02:22:46.4	+56:49:01	300	90	3.0	#170 h & chi P	2	
0078.COMP	12	03:46	02:22:46.4	+56:49:01	300	90	3.0	#170 h & chi P	2	
0079.hxPer485	240	03:48	02:23:18.1	+57:21:21	300	90	3.0	#170 h & chi P	2	
0080.COMP	12	03:53	02:23:18.1	+57:21:21	300	90	3.0	#170 h & chi P	2	
0081.hxPer486	240	03:54	02:19:16.3	+56:49:33	300	90	3.0	#170 h & chi P	2	
0082.COMP	12	03:59	02:19:16.3	+56:49:33	300	90	3.0	#170 h & chi P	2	
0083.hxPer487	240	04:01	02:21:23.9	+57:00:10	300	90	3.0	#170 h & chi P	2	
0084.COMP	12	04:05	02:21:23.9	+57:00:10	300	90	3.0	#170 h & chi P	2	
0085.hxPer488	240	04:07	02:17:25.0	+57:06:40	300	100	3.0	#170 h & chi P	2	
0086.COMP	12	04:11	02:17:25.0	+57:06:40	300	100	3.0	#170 h & chi P	2	
0087.hxPer489	240	04:13	02:17:18.3	+56:54:53	300	90	3.0	#170 h & chi P	2	
0088.COMP	12	04:18	02:17:18.3	+56:54:53	300	90	3.0	#170 h & chi P	2	
0089.hxPer490	240	04:19	02:17:25.0	+56:46:33	300	90	3.0	#170 h & chi P	2	

UT Date 2008-02-10 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.COMP	12	04:24	02:17:25.0	+56:46:33	300	90	3.0	#170 h & chi P	2	
0091.hxPer491	240	04:25	02:18:26.6	+57:27:06	300	90	3.0	#170 h & chi P	2	
0092.COMP	12	04:29	02:18:26.6	+57:27:06	300	90	3.0	#170 h & chi P	2	
0093.hxPer492	240	04:31	02:17:19.4	+56:50:55	300	90	3.0	#170 h & chi P	2	
0094.COMP	12	04:35	02:17:19.4	+56:50:55	300	90	3.0	#170 h & chi P	2	
0095.hxPer493	240	04:37	02:17:55.8	+57:11:10	300	90	3.0	#170 h & chi P	2	row=80
0096.COMP	12	04:42	02:17:55.8	+57:11:10	300	90	3.0	#170 h & chi P	2	
0097.hxPer494	240	04:44	02:21:44.0	+57:31:29	300	95	3.0	#170 h & chi P	2	row=80
0098.COMP	12	04:52	02:21:44.0	+57:31:29	300	95	3.0	#170 h & chi P	2	
0099.hxPer495	240	04:54	02:18:26.9	+56:46:45	300	90	3.0	#170 h & chi P	2	
0100.COMP	12	05:04	02:18:26.9	+56:46:45	300	90	3.0	#170 h & chi P	2	
0101.hxPer496	240	05:05	02:22:22.9	+57:30:12	300	90	3.0	#170 h & chi P	2	row=78
0102.COMP	12	05:12	02:22:22.9	+57:30:12	300	90	3.0	#170 h & chi P	2	
0103.hxPer497	240	05:14	02:17:22.1	+56:45:18	300	90	3.0	#170 h & chi P	2	
0104.COMP	12	05:21	02:17:22.1	+56:45:18	300	90	3.0	#170 h & chi P	2	
0105.hxPer498	240	05:23	02:21:48.1	+57:27:57	300	90	3.0	#170 h & chi P	2	
0106.COMP	12	05:28	02:21:48.1	+57:27:57	300	90	3.0	#170 h & chi P	2	
0107.IPHASB_1626	300	05:30	03:20:39.5	+56:23:58	300	90	3.0	#157 IPHAS	2	
0108.COMP	12	05:36	03:20:39.5	+56:23:58	300	90	3.0	#157 IPHAS	2	
0109.IPHASB_1628	240	05:38	03:21:10.9	+60:00:21	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-10 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0110.COMP	12	05:42	03:21:10.9	+60:00:21	300	90	3.0	#157 IPHAS	2	
0111.IPHASB_1629	300	05:44	03:21:13.7	+62:51:55	300	90	3.0	#157 IPHAS	2	
0112.COMP	12	05:49	03:21:13.7	+62:51:55	300	90	3.0	#157 IPHAS	2	
0113.IPHASB_1631	300	05:51	03:21:52.9	+52:33:28	300	90	3.0	#157 IPHAS	2	
0114.COMP	12	05:57	03:21:52.9	+52:33:28	300	90	3.0	#157 IPHAS	2	
0115.IPHASB_1633	240	06:00	03:23:24.0	+59:58:56	300	90	3.0	#157 IPHAS	2	row=80
0116.COMP	12	06:04	03:23:24.0	+59:58:56	300	90	3.0	#157 IPHAS	2	
0117.IPHASB_1635	120	06:06	03:23:48.1	+56:50:13	300	90	3.0	#157 IPHAS	2	
0118.COMP	12	06:08	03:23:48.1	+56:50:13	300	90	3.0	#157 IPHAS	2	
0119.IPHASB_1636	240	06:10	03:24:15.7	+61:55:57	300	90	3.0	#157 IPHAS	2	
0120.COMP	12	06:15	03:24:15.7	+61:55:57	300	90	3.0	#157 IPHAS	2	
0121.IPHASB_1638	240	06:17	03:25:39.2	+60:34:25	300	90	3.0	#157 IPHAS	2	
0122.COMP	12	06:21	03:25:39.2	+60:34:25	300	90	3.0	#157 IPHAS	2	
0123.IPHASB_1643	180	06:23	03:29:05.0	+56:36:07	300	90	3.0	#157 IPHAS	2	
0124.COMP	12	06:26	03:29:05.0	+56:36:07	300	90	3.0	#157 IPHAS	2	
0125.IPHASB_1645	180	06:28	03:29:56.1	+54:20:05	300	90	3.0	#157 IPHAS	2	
0126.COMP	12	06:32	03:29:56.1	+54:20:05	300	90	3.0	#157 IPHAS	2	
0127.IPHASB_1646	240	06:33	03:31:32.2	+55:37:16	300	90	3.0	#157 IPHAS	2	
0128.COMP	12	06:38	03:31:32.2	+55:37:16	300	90	3.0	#157 IPHAS	2	
0129.IPHASB_1652	180	06:39	03:32:34.8	+50:23:46	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-10 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

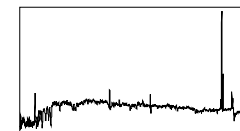
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0130.COMP	12	06:42	03:32:34.8	+50:23:46	300	90	3.0	#157 IPHAS	2	
0131.IPHASB.1654	240	06:44	03:33:50.8	+58:20:05	300	90	3.0	#157 IPHAS	2	
0132.COMP	12	06:49	03:33:50.8	+58:20:05	300	90	3.0	#157 IPHAS	2	
0133.4dlxfast041	540	07:04	08:17:36.0	+58:09:36	300	90	3.0	#172 SDSS Clus	2	
0134.COMP	12	07:14	08:17:36.0	+58:09:36	300	90	3.0	#172 SDSS Clus	2	
0135.4dlxfast042	600	07:15	08:17:38.4	+58:35:28	300	90	3.0	#172 SDSS Clus	2	
0136.COMP	12	07:25	08:17:38.4	+58:35:28	300	90	3.0	#172 SDSS Clus	2	
0137.4dlxfast043	720	07:27	08:17:38.8	+57:54:20	300	90	3.0	#172 SDSS Clus	2	
0138.COMP	12	07:40	08:17:38.8	+57:54:20	300	90	3.0	#172 SDSS Clus	2	
0139.sn2008Z	1500	07:42	09:43:15.2	+36:17:04	300	20	3.0	#2 SN Observat	2	
0140.COMP	12	08:08	09:43:15.2	+36:17:04	300	20	3.0	#2 SN Observat	2	
0141.HD84937	10	08:11	09:48:54.9	+13:45:14	300	10	3.0	#56 Spectropho	2	
0142.HD84937	10	08:11	09:48:54.9	+13:45:14	300	10	3.0	#56 Spectropho	2	
0143.HD84937	10	08:11	09:48:54.9	+13:45:14	300	10	3.0	#56 Spectropho	2	
0144.COMP	12	08:12	09:48:54.9	+13:45:14	300	10	3.0	#56 Spectropho	2	
0145.sn2008ae	1800	08:14	09:56:03.2	+10:29:59	300	7	3.0	#2 SN Observat	2	
0146.COMP	12	08:45	09:56:03.2	+10:29:59	300	7	3.0	#2 SN Observat	2	
0147.Feige34	70	08:48	10:39:36.9	+43:06:11	300	-2	3.0	#56 Spectropho	2	
0148.COMP	12	08:49	10:39:36.9	+43:06:11	300	-2	3.0	#56 Spectropho	2	
0149.pg1022p050	360	08:56	10:25:00.2	+04:46:10	600	90	2.0	#178 Very Low	4	

UT Date 2008-02-10 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>
0150.COMP	10	09:02	10:25:00.2	+04:46:10	600	90	2.0	#178 Very Low	4	
0151.pg1036p086	1320	09:04	10:39:07.3	+08:18:44	600	90	2.0	#178 Very Low	4	
0152.COMP	10	09:26	10:39:07.3	+08:18:44	600	90	2.0	#178 Very Low	4	
0153.Feige34	90	09:28	10:39:36.9	+43:06:11	600	90	2.0	#56 Spectropho	4	
0154.COMP	10	09:30	10:39:36.9	+43:06:11	600	90	2.0	#56 Spectropho	4	
0155.pg1101p364	480	09:32	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0156.COMP	10	09:40	11:04:32.6	+36:10:49	600	90	2.0	#178 Very Low	4	
0157.pg1114p224	1380	09:43	11:17:03.6	+22:06:35	600	90	2.0	#178 Very Low	4	
0158.COMP	10	10:06	11:17:03.6	+22:06:35	600	90	2.0	#178 Very Low	4	
0159.pg1320p645	1410	10:12	13:22:32.1	+64:15:46	600	90	2.0	#178 Very Low	4	
0160.COMP	10	10:36	13:22:32.1	+64:15:46	600	90	2.0	#178 Very Low	4	
0161.pg1224p309	1260	10:38	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0162.COMP	10	11:00	12:26:30.8	+30:38:52	600	90	2.0	#178 Very Low	4	
0163.pg1320p645	1410	11:02	13:22:32.1	+64:15:46	600	90	2.0	#178 Very Low	4	
0164.COMP	12	11:27	13:22:32.1	+64:15:46	600	90	2.0	#178 Very Low	4	
0165.pg1229m013	420	11:29	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0166.COMP	10	11:37	12:31:35.1	-01:32:09	600	90	2.0	#178 Very Low	4	
0167.pg1320p645	1410	11:39	13:22:32.1	+64:15:46	600	90	2.0	#178 Very Low	4	
0168.COMP	10	12:04	13:22:32.1	+64:15:46	600	90	2.0	#178 Very Low	4	
0169.pg1252p378	1020	12:05	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	

UT Date 2008-02-10 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>
0170.COMP	10	12:23	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0171.pg1320p645	1410	12:24	13:22:32.1	+64:15:46	600	90	2.0	#178 Very Low	4	
0172.COMP	10	12:48	13:22:32.1	+64:15:46	600	90	2.0	#178 Very Low	4	
0173.pg1249p160	600	12:51	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0174.COMP	10	13:01	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0175-0184.FLAT	45	13:12	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0185-0194.BIAS	0	13:29	12:52:17.0	+15:44:42	300	90	3.0	#178 Very Low	4	
0195-0204.FLAT	12	13:33	12:52:17.0	+15:44:42	300	90	3.0	#178 Very Low	4	
0205-0214.BIAS	0	13:39	12:52:17.0	+15:44:42	300	90	3.0	#178 Very Low	2	
0215-0234.FLAT	25	13:54	12:52:17.0	+15:44:42	300	90	3.0	#178 Very Low	2	
0235-0244.DARK	900	16:15	12:52:17.0	+15:44:42	300	90	3.0	#178 Very Low	2	

UT Date 2008-02-11 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:06	02:55:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0011-0025.FLAT	25	01:15	02:55:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0026-0030.sky	3	01:19	03:20:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0031.COMP	10	01:19	03:20:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0032.ZAnd	1	01:49	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0033.ZAnd	5	01:49	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0034.ZAnd	30	01:49	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	cirrus
0035.COMP	10	01:50	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0036.HD19445	10	01:54	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0037.HD19445	10	01:54	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0038.HD19445	10	01:55	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0039.COMP	10	01:55	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0040.IPHASB_1662	180	01:57	03:38:05.7	+56:35:19	300	90	3.0	#157 IPHAS	2	
0041.COMP	10	02:00	03:38:05.7	+56:35:19	300	90	3.0	#157 IPHAS	2	
0042.IPHASB_1668	150	02:01	03:39:14.3	+54:15:56	300	90	3.0	#157 IPHAS	2	
0043.COMP	10	02:04	03:39:14.3	+54:15:56	300	90	3.0	#157 IPHAS	2	
0044.IPHASB_1664	150	02:05	03:38:47.2	+52:15:08	300	90	3.0	#157 IPHAS	2	
0045.COMP	10	02:08	03:38:47.2	+52:15:08	300	90	3.0	#157 IPHAS	2	
0046.B0133p47	360	02:09	01:36:58.6	+47:51:29	300	90	3.0	#6 AGN Monitor	2	
0047.COMP	10	02:16	01:36:58.6	+47:51:29	300	90	3.0	#6 AGN Monitor	2	

UT Date 2008-02-11 Observers P BerlindColl. Focus 1300 Grating/Grism 300

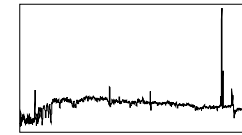
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0048.hxPer499	240	02:18	02:23:54.9	+57:03:34	300	90	3.0	#170 h & chi P	2	
0049.COMP	10	02:22	02:23:54.9	+57:03:34	300	90	3.0	#170 h & chi P	2	
0050.hxPer500	240	02:23	02:22:56.2	+56:44:56	300	90	3.0	#170 h & chi P	2	
0051.COMP	10	02:27	02:22:56.2	+56:44:56	300	90	3.0	#170 h & chi P	2	
0052.hxPer501	240	02:28	02:17:30.9	+57:02:51	300	90	3.0	#170 h & chi P	2	
0053.COMP	10	02:33	02:17:30.9	+57:02:51	300	90	3.0	#170 h & chi P	2	
0054.hxPer502	270	02:33	02:20:44.7	+57:20:28	300	90	3.0	#170 h & chi P	2	
0055.COMP	10	02:38	02:20:44.7	+57:20:28	300	90	3.0	#170 h & chi P	2	
0056.hxPer503	270	02:39	02:23:16.9	+57:07:39	300	90	3.0	#170 h & chi P	2	
0057.COMP	10	02:44	02:23:16.9	+57:07:39	300	90	3.0	#170 h & chi P	2	
0058.hxPer504	270	02:45	02:17:00.6	+57:14:50	300	90	3.0	#170 h & chi P	2	
0059.COMP	10	02:50	02:17:00.6	+57:14:50	300	90	3.0	#170 h & chi P	2	
0060.hxPer505	270	02:50	02:17:25.0	+57:14:45	300	90	3.0	#170 h & chi P	2	
0061.COMP	10	02:55	02:17:25.0	+57:14:45	300	90	3.0	#170 h & chi P	2	
0062.hxPer506	300	02:56	02:23:22.9	+56:59:19	300	90	3.0	#170 h & chi P	2	
0063.COMP	10	03:01	02:23:22.9	+56:59:19	300	90	3.0	#170 h & chi P	2	
0064.hxPer507	270	03:02	02:17:04.4	+57:25:03	300	90	3.0	#170 h & chi P	2	
0065.COMP	10	03:08	02:17:04.4	+57:25:03	300	90	3.0	#170 h & chi P	2	
0066.hxPer508	270	03:08	02:18:09.2	+57:31:49	300	90	3.0	#170 h & chi P	2	
0067.COMP	10	03:13	02:18:09.2	+57:31:49	300	90	3.0	#170 h & chi P	2	

UT Date 2008-02-11 Observers P BerlindColl. Focus 1300 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.hxPer509	270	03:14	02:23:30.4	+56:58:50	300	90	3.0	#170 h & chi P	2	
0069.COMP	10	03:19	02:23:30.4	+56:58:50	300	90	3.0	#170 h & chi P	2	
0070.hxPer510	270	03:20	02:17:27.5	+57:32:27	300	90	3.0	#170 h & chi P	2	
0071.COMP	10	03:25	02:17:27.5	+57:32:27	300	90	3.0	#170 h & chi P	2	
0072.hxPer511	270	03:26	02:18:30.8	+57:23:54	300	90	3.0	#170 h & chi P	2	
0073.COMP	10	03:30	02:18:30.8	+57:23:54	300	90	3.0	#170 h & chi P	2	
0074.hxPer512	270	03:31	02:19:37.2	+56:49:25	300	90	3.0	#170 h & chi P	2	
0075.COMP	10	03:36	02:19:37.2	+56:49:25	300	90	3.0	#170 h & chi P	2	
0076.hxPer513	270	03:37	02:17:50.1	+56:59:32	300	90	3.0	#170 h & chi P	2	
0077.COMP	10	03:42	02:17:50.1	+56:59:32	300	90	3.0	#170 h & chi P	2	
0078.IPHASB_1656	480	03:43	03:35:07.4	+56:48:42	300	90	3.0	#157 IPHAS	2	
0079.COMP	10	03:51	03:35:07.4	+56:48:42	300	90	3.0	#157 IPHAS	2	
0080.IPHASB_1659	600	03:52	03:36:50.7	+57:12:43	300	90	3.0	#157 IPHAS	2	
0081.COMP	10	04:02	03:36:50.7	+57:12:43	300	90	3.0	#157 IPHAS	2	
0082.IPHASB_1663	480	04:03	03:38:12.7	+59:41:41	300	90	3.0	#157 IPHAS	2	
0083.COMP	10	04:11	03:38:12.7	+59:41:41	300	90	3.0	#157 IPHAS	2	
0084.IPHASB_1667	420	04:12	03:39:12.2	+60:42:18	300	90	3.0	#157 IPHAS	2	
0085.COMP	10	04:20	03:39:12.2	+60:42:18	300	90	3.0	#157 IPHAS	2	
0086.IPHASB_1669	210	04:21	03:39:45.9	+60:33:24	300	90	3.0	#157 IPHAS	2	
0087.COMP	10	04:24	03:39:45.9	+60:33:24	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-11 Observers P BerlindColl. Focus 1300 Grating/Grism 300

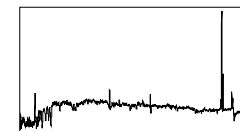
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0088.IPHASB_1670	180	04:25	03:40:43.0	+57:30:54	300	90	3.0	#157 IPHAS	2	
0089.COMP	10	04:29	03:40:43.0	+57:30:54	300	90	3.0	#157 IPHAS	2	
0090.IPHASB_1671	330	04:29	03:41:58.9	+57:57:34	300	90	3.0	#157 IPHAS	2	
0091.COMP	10	04:35	03:41:58.9	+57:57:34	300	90	3.0	#157 IPHAS	2	
0092.IPHASB_1666	480	04:36	03:39:07.4	+55:04:19	300	90	3.0	#157 IPHAS	2	
0093.COMP	10	04:44	03:39:07.4	+55:04:19	300	90	3.0	#157 IPHAS	2	
0094.IPHASB_1665	180	04:45	03:38:49.9	+53:17:31	300	90	3.0	#157 IPHAS	2	
0095.COMP	10	04:49	03:38:49.9	+53:17:31	300	90	3.0	#157 IPHAS	2	
0096.IPHASB_2179	240	04:52	06:37:02.9	+01:20:48	300	20	3.0	#157 IPHAS	2	
0097.COMP	10	04:56	06:37:02.9	+01:20:48	300	20	3.0	#157 IPHAS	2	
0098.IPHASB_2198NE	240	04:59	06:42:03.3	+00:20:10	300	20	3.0	#157 IPHAS	2	NE
0099.IPHASB_2198SW	240	05:03	06:42:03.3	+00:20:10	300	20	3.0	#157 IPHAS	2	SW
0100.COMP	10	05:08	06:42:03.3	+00:20:10	300	20	3.0	#157 IPHAS	2	
0101.IPHASB_2197	900	05:09	06:41:59.5	+02:49:50	300	20	3.0	#157 IPHAS	2	
0102.COMP	10	05:25	06:41:59.5	+02:49:50	300	20	3.0	#157 IPHAS	2	
0103.IPHASB_2201	180	05:26	06:42:35.2	+00:43:21	300	20	3.0	#157 IPHAS	2	
0104.COMP	10	05:30	06:42:35.2	+00:43:21	300	20	3.0	#157 IPHAS	2	
0105.IPHASB_2200	480	05:31	06:42:22.5	-00:55:19	300	20	3.0	#157 IPHAS	2	
0106.COMP	10	05:39	06:42:22.5	-00:55:19	300	20	3.0	#157 IPHAS	2	
0107.IPHASB_2202	300	05:40	06:44:13.1	-03:28:22	300	20	3.0	#157 IPHAS	2	

UT Date 2008-02-11 Observers P BerlindColl. Focus 1300 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.COMP	10	05:46	06:44:13.1	-03:28:22	300	20	3.0	#157 IPHAS	2	
0109.IPHASB_2203	240	05:47	06:44:41.7	-03:16:47	300	20	3.0	#157 IPHAS	2	
0110.COMP	10	05:51	06:44:41.7	-03:16:47	300	20	3.0	#157 IPHAS	2	
0111.IPHASB_2204	210	05:52	06:49:49.8	-02:53:21	300	20	3.0	#157 IPHAS	2	
0112.COMP	10	05:56	06:49:49.8	-02:53:21	300	20	3.0	#157 IPHAS	2	
0113.IPHASB_2205	180	05:57	06:57:28.2	-01:44:23	300	20	3.0	#157 IPHAS	2	
0114.COMP	10	06:00	06:57:28.2	-01:44:23	300	20	3.0	#157 IPHAS	2	
0115.IPHASB_2208	480	06:01	06:59:47.1	-01:18:56	300	20	3.0	#157 IPHAS	2	
0116.COMP	10	06:10	06:59:47.1	-01:18:56	300	20	3.0	#157 IPHAS	2	
0117.SDSSJ0943+6022	180	06:12	09:43:15.5	+60:22:26	300	20	3.0	#181 Populatio	2	
0118.COMP	10	06:16	09:43:15.5	+60:22:26	300	20	3.0	#181 Populatio	2	
0119.SDSSJ0958+5214	1500	06:18	09:58:45.6	+52:14:58	300	20	3.0	#181 Populatio	2	
0120.COMP	10	06:43	09:58:45.6	+52:14:58	300	20	3.0	#181 Populatio	2	
0121.sn2008Z	1500	06:47	09:43:15.2	+36:17:04	300	65	3.0	#2 SN Observat	2	
0122.COMP	10	07:12	09:43:15.2	+36:17:04	300	65	3.0	#2 SN Observat	2	
0123.SDSSJ0948+2207	240	07:14	09:48:39.1	+22:07:26	300	65	3.0	#181 Populatio	2	
0124.COMP	10	07:18	09:48:39.1	+22:07:26	300	65	3.0	#181 Populatio	2	
0125.sn2008ae	1800	07:22	09:56:03.2	+10:29:59	300	0	3.0	#2 SN Observat	2	
0126.COMP	10	07:52	09:56:03.2	+10:29:59	300	0	3.0	#2 SN Observat	2	
0127.SDSSJ0949+1655	1800	07:56	09:49:05.2	+16:55:43	300	0	3.0	#181 Populatio	2	

UT Date 2008-02-11 Observers P BerlindColl. Focus 1300 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>
0128.COMP	10	08:26	09:49:05.2	+16:55:43	300	0	3.0	#181 Populatio	2	
0129.XS04121B7_010	60	08:27	08:53:18.3	+28:11:06	300	0	3.0	#129 ChaMP Sou	2	
0130.COMP	10	08:29	08:53:18.3	+28:11:06	300	0	3.0	#129 ChaMP Sou	2	
0131.HD84937	20	08:30	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0132.HD84937	20	08:31	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0133.HD84937	20	08:31	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0134.COMP	10	08:32	09:48:54.9	+13:45:14	300	0	3.0	#56 Spectropho	2	
0135.XS04979B6_023	180	08:33	08:53:19.9	+23:31:54	300	0	3.0	#129 ChaMP Sou	2	
0136.COMP	10	08:37	08:53:19.9	+23:31:54	300	0	3.0	#129 ChaMP Sou	2	
0137.XS04979B8_002	150	08:38	08:53:39.9	+23:12:57	300	0	3.0	#129 ChaMP Sou	2	
0138.COMP	10	08:41	08:53:39.9	+23:12:57	300	0	3.0	#129 ChaMP Sou	2	
0139.XS03067B6_002	120	08:42	08:57:10.9	+08:56:49	300	0	3.0	#129 ChaMP Sou	2	
0140.COMP	10	08:44	08:57:10.9	+08:56:49	300	0	3.0	#129 ChaMP Sou	2	
0141.XS05604B7_016	330	08:46	09:24:38.5	+02:20:53	300	0	3.0	#129 ChaMP Sou	2	
0142.COMP	10	08:52	09:24:38.5	+02:20:53	300	0	3.0	#129 ChaMP Sou	2	
0143.XS05604B7_008	600	08:53	09:25:03.8	+02:19:14	300	0	3.0	#129 ChaMP Sou	2	
0144.COMP	10	09:03	09:25:03.8	+02:19:14	300	0	3.0	#129 ChaMP Sou	2	
0145.XS04123B7_001	1800	09:06	09:42:13.4	+41:22:05	300	0	3.0	#129 ChaMP Sou	2	
0146.COMP	10	09:37	09:42:13.4	+41:22:05	300	0	3.0	#129 ChaMP Sou	2	
0147.XS05790B7_014	1800	09:38	11:19:53.6	+21:30:59	300	0	3.0	#129 ChaMP Sou	2	

UT Date 2008-02-11 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0148.COMP	10	10:09	11:19:53.6	+21:30:59	300	0	3.0	#129 ChaMP Sou	2	
0149.Feige34	200	10:11	10:39:36.9	+43:06:11	300	0	3.0	#56 Spectropho	2	
0150.Feige34	200	10:14	10:39:36.9	+43:06:11	300	0	3.0	#56 Spectropho	2	
0151.COMP	10	10:18	10:39:36.9	+43:06:11	300	0	3.0	#56 Spectropho	2	
0152.XS05771B1_007	1200	10:19	11:20:43.6	+43:21:22	300	0	3.0	#129 ChaMP Sou	2	
0153.COMP	10	10:40	11:20:43.6	+43:21:22	300	0	3.0	#129 ChaMP Sou	2	
0154.XS04161B7_020	1800	10:42	11:37:38.4	+29:56:39	300	0	3.0	#129 ChaMP Sou	2	
0155.COMP	10	11:12	11:37:38.4	+29:56:39	300	0	3.0	#129 ChaMP Sou	2	
0156.sn2008af	1800	11:16	14:59:28.5	+16:39:12	300	0	3.0	#2 SN Observat	2	
0157.COMP	10	11:47	14:59:28.5	+16:39:12	300	0	3.0	#2 SN Observat	2	
0158.XS03960B2_004	1214	11:54	14:43:25.3	+01:08:05	300	0	3.0	#129 ChaMP Sou	2	
0159.COMP	10	12:14	14:43:25.3	+01:08:05	300	0	3.0	#129 ChaMP Sou	2	
0160.cirs3fastb059	1200	12:21	13:52:38.3	+26:38:36	300	90	3.0	#172 SDSS Clus	2	
0161.COMP	10	12:42	13:52:38.3	+26:38:36	300	90	3.0	#172 SDSS Clus	2	
0162.cirs3fastb060	1200	12:43	13:53:36.0	+26:46:23	300	90	3.0	#172 SDSS Clus	2	
0163.COMP	10	13:04	13:53:36.0	+26:46:23	300	90	3.0	#172 SDSS Clus	2	
0164.N5866	180	13:06	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0165.COMP	10	13:09	15:06:29.5	+55:45:47	300	90	3.0	#57 Velocity S	2	
0166-0175.BIAS	0	13:15	15:06:29.5	+55:45:47	300	90	3.0	#181 Populatio	2	
0176-0190.FLAT	25	13:24	15:06:29.5	+55:45:47	300	90	3.0	#181 Populatio	2	



UT Date 2008-02-11 Observers P Berlind

Coll. Focus 1300 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>
0191-0195.DARK	900	14:32	15:06:29.5	+55:45:47	300	90	3.0	#181 Populatio	2	

UT Date 2008-02-12 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	23:58	15:06:29.5	+55:45:47	300	90	3.0	#181 Populatio	2	
0006-0020.BIAS	0	00:33	15:06:29.5	+55:45:47	300	90	3.0	#181 Populatio	2	
0021-0035.FLAT	25	00:43	15:06:29.5	+55:45:47	300	90	3.0	#181 Populatio	2	
0036-0040.sky	3	01:20	03:20:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0041.COMP	10	01:20	03:20:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0042.HD19445	10	01:55	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0043.HD19445	10	01:55	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0044.HD19445	10	01:55	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0045.COMP	10	01:56	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0046.IPHASB_1681	150	01:59	03:46:49.1	+58:53:27	300	90	3.0	#157 IPHAS	2	
0047.COMP	10	02:02	03:46:49.1	+58:53:27	300	90	3.0	#157 IPHAS	2	
0048.IPHASB_1684	150	02:03	03:48:46.9	+57:26:14	300	90	3.0	#157 IPHAS	2	
0049.COMP	10	02:05	03:48:46.9	+57:26:14	300	90	3.0	#157 IPHAS	2	
0050.IPHASB_1675	180	02:06	03:44:22.1	+59:04:03	300	90	3.0	#157 IPHAS	2	
0051.COMP	10	02:10	03:44:22.1	+59:04:03	300	90	3.0	#157 IPHAS	2	
0052.hxPer514	270	02:11	02:19:19.8	+57:23:58	300	90	3.0	#170 h & chi P	2	
0053.COMP	10	02:16	02:19:19.8	+57:23:58	300	90	3.0	#170 h & chi P	2	
0054.hxPer515	330	02:16	02:22:34.2	+56:57:39	300	90	3.0	#170 h & chi P	2	
0055.COMP	10	02:22	02:22:34.2	+56:57:39	300	90	3.0	#170 h & chi P	2	
0056.hxPer516	270	02:23	02:20:19.9	+56:43:16	300	90	3.0	#170 h & chi P	2	

UT Date 2008-02-12 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.COMP	10	02:28	02:20:19.9	+56:43:16	300	90	3.0	#170 h & chi P	2	
0058.hxPer517	300	02:29	02:23:55.2	+56:46:51	300	90	3.0	#170 h & chi P	2	
0059.COMP	10	02:34	02:23:55.2	+56:46:51	300	90	3.0	#170 h & chi P	2	
0060.hxPer518	300	02:35	02:22:54.7	+57:19:21	300	90	3.0	#170 h & chi P	2	
0061.COMP	10	02:41	02:22:54.7	+57:19:21	300	90	3.0	#170 h & chi P	2	
0062.hxPer719	330	02:41	02:20:53.3	+57:02:17	300	90	3.0	#170 h & chi P	2	
0063.COMP	10	02:47	02:20:53.3	+57:02:17	300	90	3.0	#170 h & chi P	2	
0064.hxPer519	330	02:48	02:17:09.0	+57:18:29	300	90	3.0	#170 h & chi P	2	
0065.COMP	10	02:54	02:17:09.0	+57:18:29	300	90	3.0	#170 h & chi P	2	
0066.hxPer520	330	02:55	02:21:00.3	+56:45:04	300	90	3.0	#170 h & chi P	2	
0067.COMP	10	03:01	02:21:00.3	+56:45:04	300	90	3.0	#170 h & chi P	2	
0068.hxPer521	330	03:02	02:23:10.5	+57:30:38	300	90	3.0	#170 h & chi P	2	
0069.COMP	10	03:08	02:23:10.5	+57:30:38	300	90	3.0	#170 h & chi P	2	
0070.hxPer522	330	03:08	02:23:05.9	+57:16:36	300	90	3.0	#170 h & chi P	2	blended with faint little friend to east
0071.COMP	10	03:14	02:23:05.9	+57:16:36	300	90	3.0	#170 h & chi P	2	
0072.hxPer523	330	03:16	02:23:49.5	+57:09:28	300	90	3.0	#170 h & chi P	2	
0073.COMP	10	03:22	02:23:49.5	+57:09:28	300	90	3.0	#170 h & chi P	2	
0074.IPHASB_1676	720	03:23	03:44:35.2	+52:33:07	300	90	3.0	#157 IPHAS	2	
0075.COMP	10	03:36	03:44:35.2	+52:33:07	300	90	3.0	#157 IPHAS	2	
0076.IPHASB_1677	300	03:37	03:44:42.0	+58:37:55	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-12 Observers P BerlindColl. Focus 1300 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>
0077.COMP	10	03:42	03:44:42.0	+58:37:55	300	90	3.0	#157 IPHAS	2	
0078.IPHASB_1678	300	03:43	03:45:00.0	+58:59:06	300	90	3.0	#157 IPHAS	2	
0079.COMP	10	03:48	03:45:00.0	+58:59:06	300	90	3.0	#157 IPHAS	2	
0080.IPHASB_1679	300	03:49	03:45:10.0	+58:30:02	300	90	3.0	#157 IPHAS	2	
0081.COMP	10	03:55	03:45:10.0	+58:30:02	300	90	3.0	#157 IPHAS	2	
0082.IPHASB_1690	240	03:56	04:01:40.4	+52:36:28	300	90	3.0	#157 IPHAS	2	
0083.COMP	10	04:00	04:01:40.4	+52:36:28	300	90	3.0	#157 IPHAS	2	
0084.IPHASB_1696	599	04:01	04:03:58.0	+47:44:11	300	90	3.0	#157 IPHAS	2	
0085.COMP	10	04:11	04:03:58.0	+47:44:11	300	90	3.0	#157 IPHAS	2	
0086.IPHASB_1695	600	04:12	04:03:51.7	+49:32:56	300	90	3.0	#157 IPHAS	2	
0087.COMP	10	04:22	04:03:51.7	+49:32:56	300	90	3.0	#157 IPHAS	2	
0088.IPHASB_1694	720	04:23	04:03:37.0	+53:28:35	300	90	3.0	#157 IPHAS	2	
0089.COMP	10	04:36	04:03:37.0	+53:28:35	300	90	3.0	#157 IPHAS	2	
0090.IPHASB_1691	600	04:36	04:02:00.2	+54:00:03	300	90	3.0	#157 IPHAS	2	
0091.COMP	10	04:47	04:02:00.2	+54:00:03	300	90	3.0	#157 IPHAS	2	
0092.IPHASB_1680	660	04:48	03:45:28.8	+58:51:14	300	90	3.0	#157 IPHAS	2	
0093.COMP	10	04:59	03:45:28.8	+58:51:14	300	90	3.0	#157 IPHAS	2	
0094.IPHASB_1683	600	05:00	03:47:48.3	+60:33:21	300	90	3.0	#157 IPHAS	2	
0095.COMP	10	05:11	04:00:11.9	+55:59:38	300	90	3.0	#157 IPHAS	2	
0096.IPHASB_1687	480	05:11	04:00:11.9	+55:59:38	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-12 Observers P BerlindColl. Focus 1300 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>
0097.COMP	10	05:20	04:00:11.9	+55:59:38	300	90	3.0	#157 IPHAS	2	
0098.IPHASB_1682	480	05:21	03:46:54.9	+48:20:52	300	90	3.0	#157 IPHAS	2	
0099.COMP	10	05:29	03:46:54.9	+48:20:52	300	90	3.0	#157 IPHAS	2	
0100.IPHASB_2095	256	05:33	06:11:32.6	+22:12:25	300	90	3.0	#157 IPHAS	2	
0101.COMP	10	05:38	06:11:32.6	+22:12:25	300	90	3.0	#157 IPHAS	2	
0102.IPHASB_2099	270	05:38	06:12:56.1	+15:15:34	300	90	3.0	#157 IPHAS	2	
0103.COMP	10	05:43	06:12:56.1	+15:15:34	300	90	3.0	#157 IPHAS	2	
0104.IPHASB_2102	300	05:44	06:13:12.7	+15:20:37	300	90	3.0	#157 IPHAS	2	
0105.COMP	10	05:49	06:13:12.7	+15:20:37	300	90	3.0	#157 IPHAS	2	
0106.IPHASB_2105	720	05:51	06:13:18.8	+15:25:25	300	90	3.0	#157 IPHAS	2	
0107.COMP	10	06:03	06:13:18.8	+15:25:25	300	90	3.0	#157 IPHAS	2	
0108.sn2008C	1200	06:06	06:57:11.5	+20:26:14	300	45	3.0	#2 SN Observat	2	more gal than sn
0109.COMP	10	06:26	06:57:11.5	+20:26:14	300	45	3.0	#2 SN Observat	2	
0110.XS05656B7_010	1800	06:30	08:30:18.7	+53:15:48	300	90	3.0	#129 ChaMP Sou	2	
0111.COMP	10	07:00	08:30:18.7	+53:15:48	300	90	3.0	#129 ChaMP Sou	2	
0112.XS04940B7_025	1500	07:02	08:34:40.3	+55:33:22	300	90	3.0	#129 ChaMP Sou	2	
0113.COMP	10	07:27	08:34:40.3	+55:33:22	300	90	3.0	#129 ChaMP Sou	2	
0114.sn2008Z	1500	07:30	09:43:15.2	+36:17:04	300	90	3.0	#2 SN Observat	2	
0115.COMP	10	07:56	09:43:15.2	+36:17:04	300	90	3.0	#2 SN Observat	2	
0116.sn2008ae	1800	08:01	09:56:03.2	+10:29:59	300	15	3.0	#2 SN Observat	2	

UT Date 2008-02-12 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0117.COMP	10	08:31	09:56:03.2	+10:29:59	300	15	3.0	#2 SN Observat	2	
0118.HD84937	20	08:32	09:48:54.9	+13:45:14	300	30	3.0	#56 Spectropho	2	
0119.HD84937	20	08:33	09:48:54.9	+13:45:14	300	30	3.0	#56 Spectropho	2	
0120.HD84937	20	08:33	09:48:54.9	+13:45:14	300	30	3.0	#56 Spectropho	2	
0121.COMP	10	08:34	09:48:54.9	+13:45:14	300	30	3.0	#56 Spectropho	2	
0122.Feige34	180	08:36	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0123.Feige34	180	08:40	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0124.COMP	10	08:43	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0125.XS05821B3_005	1800	08:47	08:59:10.4	+27:46:04	300	90	3.0	#129 ChaMP Sou	2	
0126.COMP	10	09:17	08:59:10.4	+27:46:04	300	90	3.0	#129 ChaMP Sou	2	
0127.XS05625B6_012	1800	09:19	09:08:00.1	+39:36:39	300	90	3.0	#129 ChaMP Sou	2	
0128.COMP	10	09:49	09:08:00.1	+39:36:39	300	90	3.0	#129 ChaMP Sou	2	
0129.XS04161B7_020	1800	09:51	11:37:38.4	+29:56:39	300	90	3.0	#129 ChaMP Sou	2	
0130.COMP	10	10:22	11:37:38.4	+29:56:39	300	90	3.0	#129 ChaMP Sou	2	
0131.XS04162B7_012	1200	10:23	12:05:31.8	+44:28:03	300	90	3.0	#129 ChaMP Sou	2	
0132.COMP	10	10:44	12:06:38.4	+15:16:17	300	90	3.0	#129 ChaMP Sou	2	
0133.XS04834B6_002	480	10:45	12:06:38.4	+15:16:17	300	90	3.0	#129 ChaMP Sou	2	
0134.COMP	10	10:53	12:06:38.4	+15:16:17	300	90	3.0	#129 ChaMP Sou	2	
0135.XS03570B2_001	1800	10:55	12:11:26.0	+09:56:28	300	90	3.0	#129 ChaMP Sou	2	
0136.COMP	10	11:26	12:11:26.0	+09:56:28	300	90	3.0	#129 ChaMP Sou	2	

UT Date 2008-02-12 Observers P BerlindColl. Focus 1300 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>
0137.XS05766B1_008	240	11:27	12:22:32.2	+27:16:55	300	90	3.0	#129 ChaMP Sou	2	
0138.COMP	10	11:31	12:22:32.2	+27:16:55	300	90	3.0	#129 ChaMP Sou	2	
0139.XS05766B1_007	1800	11:33	12:22:37.9	+27:15:19	300	90	3.0	#129 ChaMP Sou	2	
0140.COMP	10	12:03	12:22:37.9	+27:15:19	300	90	3.0	#129 ChaMP Sou	2	
0141.BIAS	0	12:08	14:11:19.7	+31:33:15	300	90	3.0	#181 Populatio	2	rt crash, delay
0142.N4853	240	12:20	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0143.COMP	10	12:24	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0144.cirs3fastb060	600	12:26	13:53:36.0	+26:46:23	300	90	3.0	#172 SDSS Clus	2	
0145.COMP	10	12:36	13:53:36.0	+26:46:23	300	90	3.0	#172 SDSS Clus	2	
0146.cirs3fastb061	240	12:37	13:54:13.8	+26:39:34	300	90	3.0	#172 SDSS Clus	2	
0147.COMP	10	12:41	13:54:13.8	+26:39:34	300	90	3.0	#172 SDSS Clus	2	
0148.cirs3fastb063	240	12:42	13:55:24.9	+26:47:39	300	90	3.0	#172 SDSS Clus	2	
0149.COMP	10	12:46	13:55:24.9	+26:47:39	300	90	3.0	#172 SDSS Clus	2	
0150.cirs3fastb064	240	12:47	13:55:35.2	+26:41:41	300	90	3.0	#172 SDSS Clus	2	
0151.COMP	10	12:51	13:55:35.2	+26:41:41	300	90	3.0	#172 SDSS Clus	2	
0152.cirs3fastb065	300	12:52	13:55:38.0	+26:33:01	300	90	3.0	#172 SDSS Clus	2	
0153.COMP	10	12:58	13:55:38.0	+26:33:01	300	90	3.0	#172 SDSS Clus	2	
0154.cirs3fastb067	600	12:59	13:56:21.6	+28:09:02	300	90	3.0	#172 SDSS Clus	2	
0155.COMP	10	13:09	13:56:21.6	+28:09:02	300	90	3.0	#172 SDSS Clus	2	
0156-0165.BIAS	0	13:14	12:04:55.0	+43:08:57	300	90	3.0	#181 Populatio	2	

UT Date 2008-02-12 Observers P BerlindColl. Focus 1300 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>
0166-0180.FLAT	25	13:23	12:04:55.0	+43:08:57	300	90	3.0	#181 Populatio	2	
0181-0185.DARK	900	14:34	12:04:55.0	+43:08:57	300	90	3.0	#181 Populatio	2	

UT Date 2008-02-13 Observers P BerlindColl. Focus 1300 Grating/Grism 300

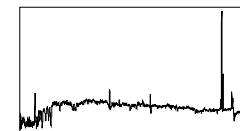
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	00:17	12:04:55.0	+43:08:57	300	90	3.0	#181 Populatio	2	
0006-0020.BIAS	0	00:52	12:04:55.0	+43:08:57	300	90	3.0	#181 Populatio	2	
0021-0035.FLAT	25	01:01	12:04:55.0	+43:08:57	300	90	3.0	#181 Populatio	2	
0036.sky	3	01:18	03:20:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	clear
0037-0040.sky	3	01:19	03:20:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0041.COMP	10	01:19	03:20:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0042.test	10	01:45	00:43:14.4	+41:07:21	300	90	3.0	#57 Velocity S	2	
0043.HD19445	10	01:49	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0044.HD19445	10	01:49	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0045.HD19445	10	01:50	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0046.COMP	10	01:50	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0047.ZAnd	1	01:53	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0048.ZAnd	5	01:53	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0049.ZAnd	30	01:54	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0050.COMP	10	01:55	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0051.IPHASB_1708	180	01:58	04:08:51.7	+57:02:17	300	90	3.0	#157 IPHAS	2	
0052.COMP	10	02:01	04:08:51.7	+57:02:17	300	90	3.0	#157 IPHAS	2	
0053.IPHASB_1707	240	02:02	04:07:33.3	+55:24:27	300	90	3.0	#157 IPHAS	2	
0054.COMP	10	02:06	04:07:33.3	+55:24:27	300	90	3.0	#157 IPHAS	2	
0055.IPHASB_1702	240	02:07	04:06:36.1	+52:50:23	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-13 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.COMP	10	02:12	04:06:36.1	+52:50:23	300	90	3.0	#157 IPHAS	2	
0057.hxPer524	330	02:13	02:21:57.2	+56:49:30	300	90	3.0	#170 h & chi P	2	
0058.COMP	10	02:19	02:21:57.2	+56:49:30	300	90	3.0	#170 h & chi P	2	
0059.hxPer525	330	02:20	02:23:29.0	+57:00:13	300	90	3.0	#170 h & chi P	2	
0060.COMP	10	02:26	02:23:29.0	+57:00:13	300	90	3.0	#170 h & chi P	2	
0061.hxPer526	330	02:27	02:21:37.8	+56:46:46	300	90	3.0	#170 h & chi P	2	
0062.COMP	10	02:32	02:21:37.8	+56:46:46	300	90	3.0	#170 h & chi P	2	
0063.hxPer527	330	02:33	02:19:16.0	+56:46:23	300	90	3.0	#170 h & chi P	2	
0064.COMP	10	02:39	02:19:16.0	+56:46:23	300	90	3.0	#170 h & chi P	2	
0065.hxPer528	300	02:40	02:21:01.7	+57:31:45	300	90	3.0	#170 h & chi P	2	
0066.COMP	10	02:45	02:21:01.7	+57:31:45	300	90	3.0	#170 h & chi P	2	
0067.hxPer529	330	02:46	02:23:48.1	+57:00:36	300	90	3.0	#170 h & chi P	2	
0068.COMP	10	02:52	02:23:48.1	+57:00:36	300	90	3.0	#170 h & chi P	2	
0069.hxPer530	330	02:53	02:20:14.1	+57:29:23	300	90	3.0	#170 h & chi P	2	
0070.COMP	10	02:59	02:20:14.1	+57:29:23	300	90	3.0	#170 h & chi P	2	
0071.hxPer531	330	02:59	02:20:40.7	+57:30:30	300	90	3.0	#170 h & chi P	2	
0072.COMP	10	03:05	02:20:40.7	+57:30:30	300	90	3.0	#170 h & chi P	2	
0073.hxPer532	330	03:06	02:23:07.7	+57:29:46	300	90	3.0	#170 h & chi P	2	
0074.COMP	10	03:12	02:23:07.7	+57:29:46	300	90	3.0	#170 h & chi P	2	
0075.hxPer533	330	03:13	02:24:18.4	+57:18:07	300	90	3.0	#170 h & chi P	2	

UT Date 2008-02-13 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.COMP	10	03:19	02:24:18.4	+57:18:07	300	90	3.0	#170 h & chi P	2	
0077.hxPer534	330	03:20	02:23:29.8	+57:16:49	300	90	3.0	#170 h & chi P	2	
0078.COMP	10	03:26	02:23:29.8	+57:16:49	300	90	3.0	#170 h & chi P	2	
0079.hxPer535	330	03:26	02:24:23.1	+57:06:55	300	90	3.0	#170 h & chi P	2	
0080.COMP	10	03:32	02:24:23.1	+57:06:55	300	90	3.0	#170 h & chi P	2	
0081.hxPer736	330	03:33	02:24:18.8	+56:51:45	300	90	3.0	#170 h & chi P	2	
0082.COMP	10	03:39	02:24:18.8	+56:51:45	300	90	3.0	#170 h & chi P	2	
0083.hxPer536	330	03:40	02:17:19.9	+57:02:12	300	90	3.0	#170 h & chi P	2	
0084.COMP	10	03:46	02:17:19.9	+57:02:12	300	90	3.0	#170 h & chi P	2	
0085.hxPer537	330	03:47	02:21:54.6	+57:25:04	300	90	3.0	#170 h & chi P	2	
0086.COMP	10	03:53	02:21:54.6	+57:25:04	300	90	3.0	#170 h & chi P	2	
0087.IPHASB_1703	210	03:54	04:06:44.2	+46:33:08	300	90	3.0	#157 IPHAS	2	
0088.COMP	10	03:58	04:06:44.2	+46:33:08	300	90	3.0	#157 IPHAS	2	
0089.IPHASB_1698	660	03:59	04:04:26.1	+52:12:52	300	90	3.0	#157 IPHAS	2	
0090.COMP	10	04:11	04:04:26.1	+52:12:52	300	90	3.0	#157 IPHAS	2	
0091.IPHASB_1697	300	04:12	04:04:10.1	+54:04:21	300	90	3.0	#157 IPHAS	2	
0092.COMP	10	04:17	04:04:10.1	+54:04:21	300	90	3.0	#157 IPHAS	2	
0093.IPHASB_1699	660	04:18	04:06:25.9	+54:34:02	300	90	3.0	#157 IPHAS	2	
0094.COMP	10	04:30	04:06:25.9	+54:34:02	300	90	3.0	#157 IPHAS	2	
0095.IPHASB_1704	300	04:31	04:06:47.5	+57:15:08	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-13 Observers P BerlindColl. Focus 1300 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>
0096.COMP	10	04:36	04:06:47.5	+57:15:08	300	90	3.0	#157 IPHAS	2	
0097.IPHASB_1705	480	04:37	04:06:48.0	+57:34:37	300	90	3.0	#157 IPHAS	2	
0098.COMP	10	04:45	04:06:48.0	+57:34:37	300	90	3.0	#157 IPHAS	2	
0099.IPHASB_2080	330	04:47	06:09:26.2	+24:41:08	300	90	3.0	#157 IPHAS	2	
0100.COMP	10	04:53	06:09:26.2	+24:41:08	300	90	3.0	#157 IPHAS	2	
0101.IPHASB_2089	180	05:01	06:10:09.2	+24:51:26	300	90	3.0	#157 IPHAS	2	
0102.COMP	10	05:05	06:10:09.2	+24:51:26	300	90	3.0	#157 IPHAS	2	
0103.IPHASB_2085	150	05:06	06:09:43.2	+19:16:08	300	90	3.0	#157 IPHAS	2	
0104.COMP	10	05:08	06:09:43.2	+19:16:08	300	90	3.0	#157 IPHAS	2	
0105.IPHASB_2083	300	05:10	06:09:34.0	+15:02:45	300	90	3.0	#157 IPHAS	2	
0106.COMP	10	05:15	06:09:34.0	+15:02:45	300	90	3.0	#157 IPHAS	2	
0107.IPHASB_2083	240	05:16	06:09:34.0	+15:02:45	300	90	3.0	#157 IPHAS	2	
0108.COMP	10	05:20	06:09:34.0	+15:02:45	300	90	3.0	#157 IPHAS	2	
0109.IPHASB_2091	600	05:21	06:10:24.4	+12:46:48	300	90	3.0	#157 IPHAS	2	
0110.COMP	10	05:31	06:10:24.4	+12:46:48	300	90	3.0	#157 IPHAS	2	
0111.06341666-0915552	1800	05:35	06:34:16.7	-09:15:55	300	90	3.0	#141 Mapping t	2	H-alpha em at low redshift, or ?
0112.COMP	10	06:05	06:34:16.7	-09:15:55	300	90	3.0	#141 Mapping t	2	
0113.XS03059B7_010	1500	06:08	08:30:55.9	+19:09:33	300	90	3.0	#129 ChaMP Sou	2	
0114.COMP	10	06:33	08:30:55.9	+19:09:33	300	90	3.0	#129 ChaMP Sou	2	
0115.XS05613B7_007	1203	06:35	08:41:11.6	+56:28:03	300	90	3.0	#129 ChaMP Sou	2	

UT Date 2008-02-13 Observers P BerlindColl. Focus 1300 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>
0116.COMP	10	06:56	08:41:11.6	+56:28:03	300	90	3.0	#129 ChaMP Sou	2	
0117.XS05613B7_023	1800	06:58	08:40:59.4	+56:27:41	300	90	3.0	#129 ChaMP Sou	2	
0118.COMP	10	07:28	08:40:59.4	+56:27:41	300	90	3.0	#129 ChaMP Sou	2	
0119.sn2008Z	1500	07:30	09:43:15.2	+36:17:04	300	90	3.0	#2 SN Observat	2	
0120.COMP	10	07:55	09:43:15.2	+36:17:04	300	90	3.0	#2 SN Observat	2	
0121.HD84937	20	07:58	09:48:54.9	+13:45:14	300	11	3.0	#56 Spectropho	2	
0122.HD84937	20	07:58	09:48:54.9	+13:45:14	300	11	3.0	#56 Spectropho	2	
0123.HD84937	20	07:59	09:48:54.9	+13:45:14	300	11	3.0	#56 Spectropho	2	
0124.COMP	10	07:59	09:48:54.9	+13:45:14	300	11	3.0	#56 Spectropho	2	
0125.sn2008ae	1800	08:01	09:56:03.2	+10:29:59	300	11	3.0	#2 SN Observat	2	
0126.COMP	10	08:32	09:56:03.2	+10:29:59	300	11	3.0	#2 SN Observat	2	
0127.Feige34	180	08:34	10:39:36.9	+43:06:11	300	11	3.0	#56 Spectropho	2	
0128.Feige34	180	08:37	10:39:36.9	+43:06:11	300	11	3.0	#56 Spectropho	2	
0129.COMP	10	08:41	10:39:36.9	+43:06:11	300	11	3.0	#56 Spectropho	2	
0130.XS04659B7_012	1800	08:44	11:27:23.8	+56:53:34	300	90	3.0	#129 ChaMP Sou	2	
0131.COMP	10	09:15	11:27:23.8	+56:53:34	300	90	3.0	#129 ChaMP Sou	2	engineering images grabbed
0133.NGC4278	302	09:28	12:20:06.8	+29:16:51	300	40	3.0	#177 3CRR Radi	2	
0134.NGC4278	600	09:34	12:20:06.8	+29:16:51	300	40	3.0	#177 3CRR Radi	2	
0135.COMP	10	09:44	12:20:06.8	+29:16:51	300	40	3.0	#177 3CRR Radi	2	
0136.NGC4278	600	09:46	12:20:06.8	+29:16:51	300	-50	3.0	#177 3CRR Radi	2	

UT Date 2008-02-13 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0137.COMP	10	09:56	12:20:06.8	+29:16:51	300	-50	3.0	#177 3CRR Radi	2	
0138.3C272.1	60	09:59	12:25:03.6	+12:53:13	300	-52	3.0	#177 3CRR Radi	2	test
0139.3C272.1	900	10:00	12:25:03.6	+12:53:13	300	-52	3.0	#177 3CRR Radi	2	
0140.COMP	10	10:16	12:25:03.6	+12:53:13	300	-52	3.0	#177 3CRR Radi	2	
0141.3C274	60	10:18	12:30:49.4	+12:23:28	300	-52	3.0	#177 3CRR Radi	2	M87, jet jutting out of slit to E
0142.3C274	900	10:19	12:30:49.4	+12:23:28	300	-52	3.0	#177 3CRR Radi	2	
0143.COMP	10	10:35	12:30:49.4	+12:23:28	300	-52	3.0	#177 3CRR Radi	2	
0145.3C285	1800	10:38	13:21:17.8	+42:35:14	300	-53	3.0	#177 3CRR Radi	2	
0146.COMP	10	11:09	13:21:17.8	+42:35:14	300	-53	3.0	#177 3CRR Radi	2	
0147.3C272.1	900	11:11	12:25:03.6	+12:53:13	300	38	3.0	#177 3CRR Radi	2	
0148.COMP	10	11:27	12:25:03.6	+12:53:13	300	38	3.0	#177 3CRR Radi	2	
0149.3C274	900	11:28	12:30:49.4	+12:23:28	300	38	3.0	#177 3CRR Radi	2	
0150.COMP	10	11:43	12:30:49.4	+12:23:28	300	38	3.0	#177 3CRR Radi	2	
0151.3C285	1800	11:46	13:21:17.8	+42:35:14	300	37	3.0	#177 3CRR Radi	2	
0152.COMP	10	12:16	13:21:17.8	+42:35:14	300	37	3.0	#177 3CRR Radi	2	
0153.XS03987B2_001	1200	12:18	12:26:04.2	+25:06:38	300	90	3.0	#129 ChaMP Sou	2	
0154.COMP	10	12:38	12:26:04.2	+25:06:38	300	90	3.0	#129 ChaMP Sou	2	
0155.N4853	240	12:39	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0156.COMP	10	12:44	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0157.XS04362B2_007	418	12:45	13:27:29.8	+28:58:15	300	90	3.0	#129 ChaMP Sou	2	



UT Date 2008-02-13 Observers P Berlind

Coll. Focus 1300 Grating/Grism 300

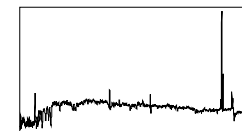
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0158.COMP	10	12:52	13:27:29.8	+28:58:15	300	90	3.0	#129 ChaMP Sou	2	
0159.XS05611B6_009	270	12:53	14:11:15.2	+12:24:11	300	90	3.0	#129 ChaMP Sou	2	pec
0160.COMP	10	12:58	14:11:15.2	+12:24:11	300	90	3.0	#129 ChaMP Sou	2	
0161-0170.BIAS	0	13:01	14:11:15.2	+12:24:11	300	90	3.0	#177 3CRR Radi	2	
0171-0185.FLAT	25	13:10	14:11:15.2	+12:24:11	300	90	3.0	#177 3CRR Radi	2	
0186-0190.DARK	900	14:17	14:11:15.2	+12:24:11	300	90	3.0	#177 3CRR Radi	2	

UT Date 2008-02-14 Observers M CalkinsColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:10	04:17:48.0	+31:29:12	300	90	3.0	#177 3CRR Radi	2	
0011-0030.FLAT	25	02:24	04:21:53.5	+31:29:14	300	90	3.0	#177 3CRR Radi	2	
0031.sn2008A	1800	03:39	01:38:17.4	+35:22:14	300	76	3.0	#2 SN Observat	2	
0032.COMP	12	04:11	01:38:17.4	+35:22:14	300	76	3.0	#2 SN Observat	2	
0033.AXPer	4	04:15	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0034.AXPer	30	04:15	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0035.AXPer	90	04:16	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0036.COMP	12	04:18	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0037.GITau	240	04:20	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0038.COMP	12	04:24	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0039.GKTau	240	04:26	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0040.COMP	12	04:30	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0041.BGGem	300	04:34	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0042.COMP	12	04:39	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0043.BGGem	1200	04:40	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0044.COMP	12	05:01	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0045.BXMon	15	05:03	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0046.BXMon	180	05:04	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0047.COMP	12	05:07	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0048.SS129	30	05:09	07:32:45.0	-26:49:16	300	90	3.0	#12 Symbiotic	2	row=85

UT Date 2008-02-14 Observers M CalkinsColl. Focus 1300 Grating/Grism 300

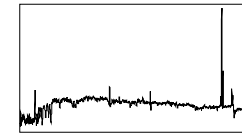
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.SS129	300	05:10	07:32:45.0	-26:49:16	300	90	3.0	#12 Symbiotic	2	row=84
0050.COMP	12	05:16	07:32:45.0	-26:49:16	300	90	3.0	#12 Symbiotic	2	
0051.05093430-1407229	1200	05:19	05:09:34.3	-14:07:23	300	90	3.0	#141 Mapping t	2	
0052.COMP	12	05:40	05:09:34.3	-14:07:23	300	90	3.0	#141 Mapping t	2	
0053.05110403-1319349	900	05:41	05:11:04.0	-13:19:35	300	90	3.0	#141 Mapping t	2	
0054.COMP	12	05:57	05:11:04.0	-13:19:35	300	90	3.0	#141 Mapping t	2	
0055.05120838-1434450	1020	05:58	05:12:08.4	-14:34:45	300	90	3.0	#141 Mapping t	2	
0056.COMP	12	06:16	05:12:08.4	-14:34:45	300	90	3.0	#141 Mapping t	2	
0057.SNE?	1200	06:34	05:12:54.7	+02:12:23	300	110	3.0	#2 Super Nova	2	
0058.COMP	12	06:55	05:12:54.7	+02:12:23	300	110	3.0	#2 Super Nova	2	
0059.05125467+0212231	720	06:58	05:12:54.7	+02:12:23	300	90	3.0	#141 Mapping t	2	
0060.COMP	12	07:11	05:12:54.7	+02:12:23	300	90	3.0	#141 Mapping t	2	
0061.HD84937	10	07:14	09:48:54.9	+13:45:14	300	-17	3.0	#56 Spectropho	2	
0062.HD84937	10	07:15	09:48:54.9	+13:45:14	300	-17	3.0	#56 Spectropho	2	
0063.HD84937	10	07:15	09:48:54.9	+13:45:14	300	-17	3.0	#56 Spectropho	2	
0064.COMP	12	07:16	09:48:54.9	+13:45:14	300	-17	3.0	#56 Spectropho	2	
0065.sn2008ae	1800	07:20	09:56:03.2	+10:29:59	300	-15	3.0	#2 SN Observat	2	
0066.COMP	12	07:51	09:56:03.2	+10:29:59	300	-15	3.0	#2 SN Observat	2	
0067.sn2008Z	1500	07:56	09:43:15.2	+36:17:04	300	-35	3.0	#2 SN Observat	2	
0068.COMP	12	08:22	09:43:15.2	+36:17:04	300	-35	3.0	#2 SN Observat	2	

UT Date 2008-02-14 Observers M CalkinsColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.Feige34	70	08:24	10:39:36.9	+43:06:11	300	5	3.0	#56 Spectropho	2	
0070.COMP	12	08:26	10:39:36.9	+43:06:11	300	5	3.0	#56 Spectropho	2	
0071.fmfs264	900	08:31	10:16:47.9	-10:19:34	300	90	3.0	#171 Local Uni	2	
0072.COMP	12	08:47	10:16:47.9	-10:19:34	300	90	3.0	#171 Local Uni	2	
0073.fmfs265	1200	08:48	10:17:00.9	-10:30:32	300	90	3.0	#171 Local Uni	2	
0074.COMP	12	09:09	10:17:00.9	-10:30:32	300	90	3.0	#171 Local Uni	2	
0075.fmfs268	1200	09:12	10:17:25.7	-10:16:32	300	90	3.0	#171 Local Uni	2	
0076.COMP	12	09:33	10:17:25.7	-10:16:32	300	90	3.0	#171 Local Uni	2	
0077.fmfs269	1500	09:34	10:17:33.8	-10:21:49	300	90	3.0	#171 Local Uni	2	seeing poor...!
0078.COMP	12	10:00	10:17:33.8	-10:21:49	300	90	3.0	#171 Local Uni	2	
0079.fmfs284	1020	10:02	10:43:24.9	-12:25:15	300	90	3.0	#171 Local Uni	2	
0080.COMP	12	10:20	10:43:24.9	-12:25:15	300	90	3.0	#171 Local Uni	2	
0081.fmfs285	1200	10:21	10:44:19.8	-13:06:28	300	90	3.0	#171 Local Uni	2	
0082.COMP	12	10:42	10:44:19.8	-13:06:28	300	90	3.0	#171 Local Uni	2	
0083.fmfs286	1500	10:44	10:44:27.2	-11:51:47	300	90	3.0	#171 Local Uni	2	
0084.COMP	12	11:09	10:44:27.2	-11:51:47	300	90	3.0	#171 Local Uni	2	
0085.fmfs390	1800	11:15	13:46:07.9	-16:28:02	300	90	3.0	#171 Local Uni	2	
0086.COMP	12	11:45	13:46:07.9	-16:28:02	300	90	3.0	#171 Local Uni	2	
0087.fmfs391	1500	11:48	13:46:15.6	-16:34:17	300	80	3.0	#171 Local Uni	2	
0088.COMP	12	12:14	13:46:15.6	-16:34:17	300	80	3.0	#171 Local Uni	2	

UT Date 2008-02-14 Observers M CalkinsColl. Focus 1300 Grating/Grism 300

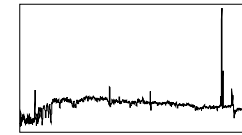
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0089.fmfs392	540	12:15	13:46:19.0	-16:29:50	300	90	3.0	#171 Local Uni	2	
0090.COMP	12	12:25	13:46:19.0	-16:29:50	300	90	3.0	#171 Local Uni	2	
0091.fmfs414	300	12:27	14:07:26.6	-09:11:57	300	90	3.0	#171 Local Uni	2	
0092.COMP	12	12:32	14:07:26.6	-09:11:57	300	90	3.0	#171 Local Uni	2	
0093.fmfs416	780	12:34	14:07:42.9	-09:45:15	300	90	3.0	#171 Local Uni	2	
0094.COMP	12	12:47	14:07:42.9	-09:45:15	300	90	3.0	#171 Local Uni	2	
0095.fmfs417	720	12:49	14:07:47.3	-09:02:31	300	90	3.0	#171 Local Uni	2	
0096.COMP	12	13:01	14:07:47.3	-09:02:31	300	90	3.0	#171 Local Uni	2	
0097.fmfs418	720	13:03	14:07:54.6	-09:05:58	300	90	3.0	#171 Local Uni	2	
0098.COMP	12	13:15	14:07:54.6	-09:05:58	300	90	3.0	#171 Local Uni	2	
0099.BDp332642	60	13:17	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0100.COMP	12	13:19	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0101-0110.BIAS	0	13:24	15:52:00.0	+32:56:54	300	90	3.0	#171 Local Uni	2	
0111-0130.FLAT	25	13:37	15:52:00.0	+32:56:54	300	90	3.0	#171 Local Uni	2	
0131-0140.DARK	900	15:57	15:52:00.0	+32:56:54	300	90	3.0	#171 Local Uni	2	

UT Date 2008-02-15 Observers M CalkinsColl. Focus 1300 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	02:00	15:52:00.0	+32:56:54	300	90	3.0	#171 Local Uni	4	
0011-0020.BIAS	0	02:18	15:52:00.0	+32:56:54	300	90	3.0	#171 Local Uni	4	
0021-0030.FLAT	12	02:45	15:52:00.0	+32:56:54	300	90	3.0	#171 Local Uni	4	

UT Date 2008-02-26 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>
0006.BIAS	0	00:04	23:51:38.4	+31:27:50	300	90	3.0	#171 Local Uni	2	
0007.COMP	10	00:05	23:51:38.4	+31:27:50	300	90	3.0	#171 Local Uni	2	testing focus
0008-0012.DARK	900	01:16	23:51:38.4	+31:27:50	300	90	3.0	#171 Local Uni	2	
0013-0022.BIAS	0	01:37	23:51:38.4	+31:27:50	300	90	3.0	#171 Local Uni	2	
0023-0037.FLAT	25	01:46	23:51:38.4	+31:27:50	300	90	3.0	#171 Local Uni	2	
0038.HD19445	10	02:27	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0039.HD19445	10	02:28	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0040.HD19445	10	02:28	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0041.COMP	10	02:29	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0042.sn2008A	1800	03:11	01:38:17.4	+35:22:14	300	73	3.0	#2 SN Observat	2	data at 84
0043.COMP	10	03:41	01:38:17.4	+35:22:14	300	73	3.0	#2 SN Observat	2	
0044.AXPer	4	03:58	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0045.AXPer	30	03:58	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0046.AXPer	90	03:59	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0047.COMP	10	04:01	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0048.GITau	240	04:05	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0049.COMP	10	04:10	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0050.GITau	240	04:11	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0051.COMP	10	04:16	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0052.BGGem	300	04:19	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	

UT Date 2008-02-26 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>
0053.COMP	10	04:25	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0054.BXMon	15	04:29	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0055.BXMon	180	04:30	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0056.COMP	10	04:33	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0057.SS129	30	04:39	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0058.SS129	180	04:41	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0059.COMP	10	04:44	07:32:45.0	-26:49:16	300	70	3.0	#12 Symbiotic	2	
0060.cvso-9776	480	05:02	04:58:25.1	+02:13:48	300	90	3.0	#112 Orion PMS	2	
0061.COMP	10	05:13	04:58:25.1	+02:13:48	300	90	3.0	#112 Orion PMS	2	
0062.cvso-11018	240	05:15	04:58:40.9	+04:05:53	300	90	3.0	#112 Orion PMS	2	
0063.COMP	10	05:20	04:58:40.9	+04:05:53	300	90	3.0	#112 Orion PMS	2	
0064.cvso-11627	240	05:22	04:59:24.0	+04:01:40	300	90	3.0	#112 Orion PMS	2	
0065.COMP	10	05:26	04:59:24.0	+04:01:40	300	90	3.0	#112 Orion PMS	2	
0066.cvso-12129	180	05:29	04:59:58.7	+03:49:25	300	90	3.0	#112 Orion PMS	2	
0067.COMP	10	05:32	04:59:58.7	+03:49:25	300	90	3.0	#112 Orion PMS	2	
0068.cvso-12620	180	05:34	05:00:29.3	+04:04:17	300	90	3.0	#112 Orion PMS	2	
0069.COMP	10	05:37	05:00:29.3	+04:04:17	300	90	3.0	#112 Orion PMS	2	
0070.cvso-14996	120	05:39	05:02:57.5	+03:52:59	300	90	3.0	#112 Orion PMS	2	
0071.COMP	10	05:43	05:02:57.5	+03:52:59	300	90	3.0	#112 Orion PMS	2	
0072.cvso-16484	120	05:45	05:04:24.0	+04:02:56	300	70	3.0	#112 Orion PMS	2	

UT Date 2008-02-26 Observers W PetersColl. Focus 1320 Grating/Grism 300

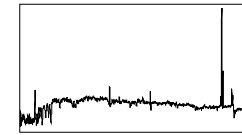
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0073.COMP	10	05:47	05:04:24.0	+04:02:56	300	70	3.0	#112 Orion PMS	2	
0074.cvso-16566	120	05:49	05:04:30.8	+04:00:35	300	90	3.0	#112 Orion PMS	2	
0075.COMP	10	05:52	05:04:30.8	+04:00:35	300	90	3.0	#112 Orion PMS	2	
0076.cvso-15119	240	05:54	05:04:47.5	+01:55:11	300	90	3.0	#112 Orion PMS	2	
0077.COMP	10	05:59	05:04:47.5	+01:55:11	300	90	3.0	#112 Orion PMS	2	
0078.cvso-16986	240	06:00	05:04:57.9	+04:05:16	300	90	3.0	#112 Orion PMS	2	
0079.COMP	10	06:06	05:04:57.9	+04:05:16	300	90	3.0	#112 Orion PMS	2	
0080.cvso-18010	180	06:07	05:05:59.3	+04:04:22	300	90	3.0	#112 Orion PMS	2	
0081.COMP	10	06:11	05:05:59.3	+04:04:22	300	90	3.0	#112 Orion PMS	2	
0082.cvso-18589	180	06:21	05:06:35.2	+04:03:52	300	90	3.0	#112 Orion PMS	2	
0083.COMP	10	06:25	05:06:35.2	+04:03:52	300	90	3.0	#112 Orion PMS	2	
0086.cvso-18902	180	06:32	05:06:55.1	+04:03:11	300	90	3.0	#112 Orion PMS	2	
0087.COMP	10	06:36	05:06:55.1	+04:03:11	300	90	3.0	#112 Orion PMS	2	
0088.cvso-19345	180	06:39	05:07:23.9	+04:05:36	300	90	3.0	#112 Orion PMS	2	
0089.COMP	10	06:43	05:07:23.9	+04:05:36	300	90	3.0	#112 Orion PMS	2	
0090.cvso-19692	240	06:48	05:07:45.8	+04:04:48	300	90	3.0	#112 Orion PMS	2	
0091.COMP	10	06:53	05:07:45.8	+04:04:48	300	90	3.0	#112 Orion PMS	2	
0092.cvso-19953	240	07:00	05:08:00.4	+04:02:50	300	90	3.0	#112 Orion PMS	2	
0093.COMP	10	07:12	05:08:00.4	+04:02:50	300	90	3.0	#112 Orion PMS	2	
0094.fmfs270	960	07:38	10:17:45.0	-10:22:16	300	90	3.0	#171 Local Uni	2	

UT Date 2008-02-26 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>
0095.COMP	10	07:56	10:17:45.0	-10:22:16	300	90	3.0	#171 Local Uni	2	
0096.fmfs271	720	08:04	10:18:20.4	-10:31:24	300	90	3.0	#171 Local Uni	2	
0097.COMP	10	08:17	10:18:20.4	-10:31:24	300	90	3.0	#171 Local Uni	2	
0098.fmfs272	900	08:27	10:18:54.0	-10:49:25	300	90	3.0	#171 Local Uni	2	
0099.COMP	10	08:43	10:18:54.0	-10:49:25	300	90	3.0	#171 Local Uni	2	
0100.N3377	180	08:55	10:47:42.0	+13:59:09	300	90	3.0	#57 Velocity S	2	
0101.COMP	10	08:58	10:47:42.0	+13:59:09	300	90	3.0	#57 Velocity S	2	
0102.Feige34	180	09:03	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0103.Feige34	180	09:06	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0104.COMP	10	09:12	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0105.sn2008ae	1800	09:26	09:56:03.2	+10:29:59	300	50	3.0	#2 SN Observat	2	
0106.COMP	10	10:00	09:56:03.2	+10:29:59	300	50	3.0	#2 SN Observat	2	
0107.sn2008Z	1500	10:15	09:43:15.2	+36:17:04	300	80	3.0	#2 SN Observat	2	
0108.COMP	10	10:46	09:43:15.2	+36:17:04	300	80	3.0	#2 SN Observat	2	
0109.TXCVn	10	10:52	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0110.TXCVn	30	10:53	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0111.COMP	10	10:54	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0112.TCrB	15	11:03	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0113.TCrB	60	11:03	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0114.COMP	10	11:05	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	

UT Date 2008-02-26 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>
0115.AGDra	2	11:24	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0116.AGDra	15	11:25	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0117.AGDra	45	11:25	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0118.COMP	10	11:27	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0119.DracoC1	1200	11:36	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	
0120.COMP	10	11:57	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	
0121.17373171+1419087	600	12:17	17:37:31.7	+14:19:09	300	90	3.0	#141 Mapping t	2	
0122.COMP	10	12:28	17:37:31.7	+14:19:09	300	90	3.0	#141 Mapping t	2	
0123.17374705+1114531	720	12:34	17:37:47.0	+11:14:53	300	90	3.0	#141 Mapping t	2	
0124.COMP	10	12:49	17:37:47.0	+11:14:53	300	90	3.0	#141 Mapping t	2	
0125.RWHya	2	12:59	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0126.RWHya	10	13:00	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0127.RWHya	20	13:00	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0128.COMP	10	13:02	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0129-0138.BIAS	0	13:16	17:38:16.3	+13:05:09	300	90	3.0	#2 SN Observat	2	
0139-0153.FLAT	25	13:25	17:38:16.3	+13:05:09	300	90	3.0	#2 SN Observat	2	
0154-0158.DARK	900	14:29	17:38:16.3	+13:05:09	300	90	3.0	#2 SN Observat	2	

UT Date 2008-02-27 Observers W PetersColl. Focus 1350 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	10	00:04	17:38:16.3	+13:05:09	300	90	3.0	#2 SN Observat	2	
0002-0011.BIAS	0	00:08	17:38:16.3	+13:05:09	300	90	3.0	#2 SN Observat	2	
0012-0026.FLAT	25	00:18	17:38:16.3	+13:05:09	300	90	3.0	#2 SN Observat	2	
0027-0031.DARK	900	01:28	17:38:16.3	+13:05:09	300	90	3.0	#2 SN Observat	4	
0032.DARK	900	01:44	17:38:16.3	+13:05:09	300	90	3.0	#2 SN Observat	2	
0033.EGAnd	1	02:18	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0034.EGAnd	5	02:18	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0035.EGAnd	10	02:18	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0036.COMP	10	02:19	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0037.HD19445	10	02:25	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0038.HD19445	10	02:25	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0039.HD19445	10	02:25	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0040.COMP	10	02:28	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0041.IPHASB_1709	540	02:39	04:09:14.7	+52:13:28	300	65	3.0	#157 IPHAS	2	seeing horrible probably a do over
0042.COMP	10	02:49	04:09:14.7	+52:13:28	300	65	3.0	#157 IPHAS	2	
0043.IPHASB_1710	1500	03:06	04:09:30.1	+55:41:07	300	90	3.0	#157 IPHAS	2	
0044.COMP	10	03:31	04:09:30.1	+55:41:07	300	90	3.0	#157 IPHAS	2	
0045.IPHASB_1711	1200	03:35	04:10:42.3	+53:02:17	300	90	3.0	#157 IPHAS	2	
0046.COMP	10	03:56	04:10:42.3	+53:02:17	300	90	3.0	#157 IPHAS	2	
0047.IPHASB_1713	1200	03:59	04:10:52.8	+55:25:32	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-27 Observers W PetersColl. Focus 1350 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0048.COMP	10	04:20	04:10:52.8	+55:25:32	300	90	3.0	#157 IPHAS	2	
0049.IPHASB.1715	1080	04:27	04:12:17.8	+53:21:13	300	80	3.0	#157 IPHAS	2	
0050.COMP	10	04:47	04:12:17.8	+53:21:13	300	80	3.0	#157 IPHAS	2	
0051.IPHASB.1716	1200	04:53	04:12:45.9	+48:19:51	300	90	3.0	#157 IPHAS	2	
0052.COMP	10	05:20	04:12:45.9	+48:19:51	300	90	3.0	#157 IPHAS	2	
0053.G191B2B	300	05:25	05:05:30.6	+52:49:57	300	100	3.0	#56 Spectropho	2	
0054.G191B2B	300	05:30	05:05:30.6	+52:49:57	300	100	3.0	#56 Spectropho	2	
0055.COMP	10	05:36	05:05:30.6	+52:49:57	300	100	3.0	#56 Spectropho	2	
0056.NGC1700	180	05:53	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0057.NGC1700	180	05:56	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0058.COMP	10	06:04	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0059.cvso-20286	300	06:19	05:08:20.8	+04:05:48	300	90	3.0	#112 Orion PMS	2	
0060.COMP	10	06:24	05:08:20.8	+04:05:48	300	90	3.0	#112 Orion PMS	2	
0061.cvso-20359	180	06:27	05:08:25.8	+03:40:41	300	90	3.0	#112 Orion PMS	2	
0062.COMP	10	06:31	05:08:25.8	+03:40:41	300	90	3.0	#112 Orion PMS	2	
0063.cvso-20435	240	06:34	05:08:29.0	+04:03:16	300	99	3.0	#112 Orion PMS	2	
0064.COMP	10	06:39	05:08:29.0	+04:03:16	300	99	3.0	#112 Orion PMS	2	
0065.cvso-20953	220	06:42	05:08:57.0	+03:59:33	300	90	3.0	#112 Orion PMS	2	
0066.COMP	10	06:47	05:08:57.0	+03:59:33	300	90	3.0	#112 Orion PMS	2	
0067.cvso-21139	180	06:50	05:09:06.7	+04:02:22	300	90	3.0	#112 Orion PMS	2	

UT Date 2008-02-27 Observers W PetersColl. Focus 1350 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	10	06:54	05:09:06.7	+04:02:22	300	90	3.0	#112 Orion PMS	2	
0069.cvso-21284	180	06:56	05:09:15.6	+03:43:48	300	90	3.0	#112 Orion PMS	2	
0070.COMP	10	07:00	05:09:15.6	+03:43:48	300	90	3.0	#112 Orion PMS	2	
0071.cvso-19587	180	07:02	05:09:45.8	+02:10:12	300	90	3.0	#112 Orion PMS	2	
0072.COMP	10	07:06	05:09:45.8	+02:10:12	300	90	3.0	#112 Orion PMS	2	
0073.COMP	10	07:32	12:55:14.7	+37:32:30	300	90	3.0	#178 Very Low	4	binby4 grating changed
0074.pg1252p378	1020	07:44	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0075.pg1252p378	1020	08:01	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0076.COMP	10	08:19	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0077.pg1249p160	600	08:27	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0078.pg1249p160	600	08:37	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0079.COMP	10	08:48	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0080.pg1252p378	1020	08:51	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0081.COMP	10	09:09	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0082.pg1249p160	600	09:11	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0083.COMP	10	09:22	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0084.pg1252p378	1020	09:26	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0085.COMP	10	09:44	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0086.pg1249p160	600	09:49	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0087.COMP	10	10:00	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	

UT Date 2008-02-27 Observers W PetersColl. Focus 1350 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0088.pg1252p378	1020	10:03	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0089.COMP	10	10:20	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0090.pg1249p160	600	10:22	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0091.pg1249p160	600	10:32	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0092.COMP	10	10:43	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0093.pg1252p378	1020	10:46	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0094.COMP	10	11:04	12:55:14.7	+37:32:30	600	90	2.0	#178 Very Low	4	
0095.pg1249p160	600	11:06	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0096.COMP	10	11:16	12:52:17.0	+15:44:42	600	90	2.0	#178 Very Low	4	
0097.HD84937	20	11:21	09:48:54.9	+13:45:14	600	61	2.0	#56 Spectropho	4	
0098.HD84937	20	11:21	09:48:54.9	+13:45:14	600	61	2.0	#56 Spectropho	4	
0099.COMP	10	11:22	09:48:54.9	+13:45:14	600	61	2.0	#56 Spectropho	4	
0100.Feige34	180	11:26	10:39:36.9	+43:06:11	600	85	2.0	#56 Spectropho	4	
0101.Feige34	180	11:29	10:39:36.9	+43:06:11	600	85	2.0	#56 Spectropho	4	
0102.COMP	10	11:33	10:39:36.9	+43:06:11	600	85	2.0	#56 Spectropho	4	
0103-0112.FLAT	45	11:45	10:39:36.9	+43:06:11	600	85	2.0	#56 Spectropho	4	
0113-0122.BIAS	0	11:52	10:39:36.9	+43:06:11	600	85	2.0	#178 Very Low	4	
0123.pg1036p086	1320	12:04	10:39:07.3	+08:18:44	600	90	2.0	#178 Very Low	4	sky very bright
0124.COMP	10	12:27	10:39:07.3	+08:18:44	600	90	2.0	#178 Very Low	4	
0125.BIAS	0	12:37	10:39:07.3	+08:18:44	300	90	3.0	#178 Very Low	2	



UT Date 2008-02-27 Observers W Peters

Coll. Focus 1350 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0130.COMP	10	12:47	10:39:07.3	+08:18:44	300	90	3.0	#178 Very Low	2	adjusted 300 tilt
0131-0140.BIAS	0	12:57	10:39:07.3	+08:18:44	300	90	3.0	#178 Very Low	2	
0141-0155.FLAT	25	13:07	10:39:07.3	+08:18:44	300	90	3.0	#178 Very Low	2	
0156-0160.DARK	900	14:35	10:39:07.3	+08:18:44	300	90	3.0	#178 Very Low	4	
0161-0165.DARK	900	15:51	10:39:07.3	+08:18:44	300	90	3.0	#178 Very Low	2	

UT Date 2008-02-28 Observers G. NarayanColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	10	21:55	00:01:36.6	+31:27:50	300	90	3.0	#178 Very Low	2	tiltpos is good - working on dome gearbox so will wait to start
0002-0011.BIAS	0	22:34	00:01:36.6	+31:27:50	300	90	3.0	#178 Very Low	4	
0012-0021.FLAT	12	22:37	00:01:36.6	+31:27:50	300	90	3.0	#178 Very Low	4	
0022-0031.BIAS	0	22:39	00:01:36.6	+31:27:50	300	90	3.0	#178 Very Low	2	
0032-0045.FLAT	25	22:47	00:01:36.6	+31:27:50	300	90	3.0	#178 Very Low	2	
0046.FLAT	25	22:48	00:01:36.6	+31:27:50	300	90	3.0	#178 Very Low	2	just about enough time to do all the darks before sunset
0047-0051.DARK	900	23:52	00:01:36.6	+31:27:50	300	90	3.0	#178 Very Low	4	
0052-0055.DARK	900	00:53	00:01:36.6	+31:27:50	300	90	3.0	#178 Very Low	2	
0056.DARK	900	01:08	00:01:36.6	+31:27:50	300	90	3.0	#178 Very Low	2	topped off dewar
0057.HD19445	10	02:03	03:08:26.3	+26:20:29	300	71	3.0	#56 Spectropho	2	someone turned off echellegain box so I couldnt see anything -
0058.HD19445	10	02:04	03:08:26.3	+26:20:29	300	71	3.0	#56 Spectropho	2	
0059.HD19445	10	02:05	03:08:26.3	+26:20:29	300	71	3.0	#56 Spectropho	2	focus changing a little still
0060.COMP	10	02:05	03:08:26.3	+26:20:29	300	71	3.0	#56 Spectropho	2	
0061.G191B2B	300	02:18	05:05:30.6	+52:49:57	300	90	3.0	#56 Spectropho	2	
0062.G191B2B	300	02:24	05:05:30.6	+52:49:57	300	90	3.0	#56 Spectropho	2	
0063.COMP	10	02:30	05:05:30.6	+52:49:57	300	90	3.0	#56 Spectropho	2	
0064.NGC1700	180	02:35	04:56:58.1	-04:52:23	300	20	3.0	#57 Velocity S	2	
0065.NGC1700	180	02:38	04:56:58.1	-04:52:23	300	20	3.0	#57 Velocity S	2	
0066.COMP	10	02:42	04:56:58.1	-04:52:23	300	20	3.0	#57 Velocity S	2	pointing is wonky despite using set telepos - took time to find
0067.IPHASB_1717	400	02:54	04:13:25.2	+52:16:00	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-28 Observers G. NarayanColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	10	03:01	04:13:25.2	+52:16:00	300	90	3.0	#157 IPHAS	2	redid set telepos - much better
0069.IPHASB_1719	300	03:07	04:13:40.7	+55:37:49	300	90	3.0	#157 IPHAS	2	
0070.COMP	10	03:12	04:13:40.7	+55:37:49	300	90	3.0	#157 IPHAS	2	
0071.IPHASB_1720	150	03:18	04:15:03.7	+52:09:46	300	20	3.0	#157 IPHAS	2	
0072.COMP	10	03:21	04:15:03.7	+52:09:46	300	20	3.0	#157 IPHAS	2	rotated to get companion out of slit
0073.IPHASB_1721	150	03:25	04:15:19.4	+49:51:24	300	90	3.0	#157 IPHAS	2	
0074.COMP	10	03:28	04:15:19.4	+49:51:24	300	90	3.0	#157 IPHAS	2	
0075.IPHASB_1722	150	03:31	04:15:39.6	+53:27:03	300	90	3.0	#157 IPHAS	2	
0076.COMP	10	03:34	04:15:39.6	+53:27:03	300	90	3.0	#157 IPHAS	2	
0077.IPHASB_1723	100	03:38	04:16:17.4	+45:25:39	300	90	3.0	#157 IPHAS	2	
0078.COMP	10	03:40	04:16:17.4	+45:25:39	300	90	3.0	#157 IPHAS	2	
0079.IPHASB_1724	150	03:42	04:17:50.1	+53:25:26	300	90	3.0	#157 IPHAS	2	
0080.COMP	10	03:45	04:17:50.1	+53:25:26	300	90	3.0	#157 IPHAS	2	
0081.IPHASB_1726	120	03:48	04:19:12.8	+45:17:57	300	90	3.0	#157 IPHAS	2	
0082.COMP	10	03:50	04:19:12.8	+45:17:57	300	90	3.0	#157 IPHAS	2	
0083.IPHASB_1730	400	03:53	04:20:35.1	+56:23:08	300	90	3.0	#157 IPHAS	2	
0084.COMP	10	04:00	04:20:35.1	+56:23:08	300	90	3.0	#157 IPHAS	2	
0085.IPHASB_1731	200	04:03	04:20:53.2	+49:44:07	300	90	3.0	#157 IPHAS	2	
0086.COMP	10	04:06	04:20:53.2	+49:44:07	300	90	3.0	#157 IPHAS	2	
0087.IPHASB_1732	200	04:10	04:21:00.4	+56:05:39	300	21	3.0	#157 IPHAS	2	rotated to get nearby object out of slit

UT Date 2008-02-28 Observers G. NarayanColl. Focus 1320 Grating/Grism 300

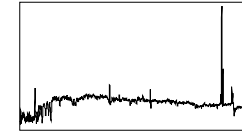
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	10	04:14	04:21:00.4	+56:05:39	300	21	3.0	#157 IPHAS	2	
0089.IPHASB_1733	150	04:20	04:21:01.6	+45:08:58	300	20	3.0	#157 IPHAS	2	rotated to get companion object off slit
0090.COMP	10	04:22	04:21:01.6	+45:08:58	300	20	3.0	#157 IPHAS	2	
0091.IPHASB_1734	120	04:27	04:21:38.8	+55:13:30	300	90	3.0	#157 IPHAS	2	
0092.COMP	10	04:29	04:21:38.8	+55:13:30	300	90	3.0	#157 IPHAS	2	
0093.IPHASB_1736	150	04:34	04:22:48.8	+47:06:44	300	60	3.0	#157 IPHAS	2	rotated to get nearby object out of slit
0094.COMP	10	04:37	04:22:48.8	+47:06:44	300	60	3.0	#157 IPHAS	2	
0095.IPHASB_1737	500	04:41	04:22:49.6	+51:54:16	300	90	3.0	#157 IPHAS	2	
0096.COMP	10	04:50	04:22:49.6	+51:54:16	300	90	3.0	#157 IPHAS	2	
0097.IPHASB_1738	120	04:53	04:23:02.5	+54:05:35	300	90	3.0	#157 IPHAS	2	
0098.COMP	10	04:55	04:23:02.5	+54:05:35	300	90	3.0	#157 IPHAS	2	
0099.IPHASB_2061	120	05:05	06:05:41.4	+30:51:26	300	90	3.0	#157 IPHAS	2	
0100.COMP	10	05:07	06:05:41.4	+30:51:26	300	90	3.0	#157 IPHAS	2	
0101.IPHASB_2062	300	05:13	06:05:58.5	+10:57:32	300	50	3.0	#157 IPHAS	2	rotated - nearby obj - focus and pointing different after slew
0102.COMP	10	05:18	06:05:58.5	+10:57:32	300	50	3.0	#157 IPHAS	2	
0103.IPHASB_2063	150	05:25	06:06:02.1	+27:15:27	300	90	3.0	#157 IPHAS	2	
0104.COMP	10	05:28	06:06:02.1	+27:15:27	300	90	3.0	#157 IPHAS	2	
0105.IPHASB_2066	200	05:31	06:07:06.0	+26:41:08	300	90	3.0	#157 IPHAS	2	
0106.COMP	10	05:34	06:07:06.0	+26:41:08	300	90	3.0	#157 IPHAS	2	
0107.IPHASB_2067	400	05:37	06:07:15.9	+19:30:00	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-28 Observers G. NarayanColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0108.COMP	10	05:45	06:07:15.9	+19:30:00	300	90	3.0	#157 IPHAS	2	
0109.IPHASB_2068	600	05:51	06:07:28.5	+29:23:25	300	90	3.0	#157 IPHAS	2	
0110.COMP	10	06:02	06:07:28.5	+29:23:25	300	90	3.0	#157 IPHAS	2	
0111.SN2007uy	1500	06:07	09:09:35.4	+33:07:10	300	90	3.0	#157 IPHAS	2	
0112.COMP	10	06:32	09:09:35.4	+33:07:10	300	90	3.0	#157 IPHAS	2	SN2007uy comp
0113.SN2008ae	1800	06:38	09:56:03.2	+10:29:59	300	90	3.0	#157 IPHAS	2	Could barely see SN in bin 128
0114.COMP	10	07:09	09:56:03.2	+10:29:59	300	90	3.0	#157 IPHAS	2	
0115.fmfs273	300	07:16	10:19:15.2	-06:48:54	300	90	3.0	#171 Local Uni	2	yikes - redoing with 1200 sec
0116.COMP	10	07:21	10:19:15.2	-06:48:54	300	90	3.0	#171 Local Uni	2	
0117.fmfs273	1200	07:25	10:19:15.2	-06:48:54	300	90	3.0	#171 Local Uni	2	definetly usable - exptime somewherein between
0118.COMP	10	07:45	10:19:15.2	-06:48:54	300	90	3.0	#171 Local Uni	2	
0119.HD84937	20	07:50	09:48:54.9	+13:45:14	300	38	3.0	#56 Spectropho	2	
0120.HD84937	20	07:52	09:48:54.9	+13:45:14	300	38	3.0	#56 Spectropho	2	
0121.COMP	10	07:53	09:48:54.9	+13:45:14	300	38	3.0	#56 Spectropho	2	
0122.Feige34	180	07:56	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0123.Feige34	180	08:00	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0124.COMP	10	08:03	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0125.SN2008ai	1800	08:11	10:57:40.0	+37:39:42	300	90	3.0	#56 Spectropho	2	Couldnt see target at all and lost guide star a million times
0126.COMP	10	08:42	10:57:40.0	+37:39:42	300	90	3.0	#56 Spectropho	2	
0127.SN2007sw	1800	08:53	12:13:36.9	+46:29:36	300	90	3.0	#56 Spectropho	2	Couldnt see anything

UT Date 2008-02-28 Observers G. NarayanColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0128.COMP	10	09:24	12:13:36.9	+46:29:36	300	90	3.0	#56 Spectropho	2	
0129.fmfs345	700	09:30	12:56:12.2	-09:55:21	300	90	3.0	#171 Local Uni	2	
0130.COMP	10	09:43	12:56:12.2	-09:55:21	300	90	3.0	#171 Local Uni	2	
0131.fmfs346	700	09:45	12:56:18.0	-16:59:43	300	90	3.0	#171 Local Uni	2	
0132.COMP	10	09:58	12:56:18.0	-16:59:43	300	90	3.0	#171 Local Uni	2	
0133.fmfs347	1000	10:03	12:56:36.3	-10:01:01	300	90	3.0	#171 Local Uni	2	
0134.COMP	10	10:20	12:56:36.3	-10:01:01	300	90	3.0	#171 Local Uni	2	
0135.SN2008X1	1500	10:30	12:50:30.4	-10:52:01	300	15	3.0	#171 Local Uni	2	now this is a supernova spectrum
0136.COMP	10	10:56	12:50:30.4	-10:52:01	300	15	3.0	#171 Local Uni	2	adjusted focus slightly after comp - still shows 0.219 on encod
0137.fmfs419	700	11:06	14:07:59.0	-08:59:36	300	90	3.0	#171 Local Uni	2	
0138.COMP	10	11:18	14:07:59.0	-08:59:36	300	90	3.0	#171 Local Uni	2	
0139.fmfs420	600	11:21	14:07:59.7	-09:00:35	300	90	3.0	#171 Local Uni	2	
0140.COMP	10	11:32	14:07:59.7	-09:00:35	300	90	3.0	#171 Local Uni	2	
0141.fmfs421	450	11:35	14:08:01.0	-09:04:34	300	90	3.0	#171 Local Uni	2	
0142.COMP	10	11:43	14:08:01.0	-09:04:34	300	90	3.0	#171 Local Uni	2	
0143.fmfs422	700	11:48	14:08:03.4	-09:33:56	300	60	3.0	#171 Local Uni	2	
0144.COMP	10	12:00	14:08:03.4	-09:33:56	300	60	3.0	#171 Local Uni	2	
0145.fmfs423	600	12:05	14:08:07.2	-09:02:31	300	90	3.0	#171 Local Uni	2	
0146.COMP	10	12:15	14:08:07.2	-09:02:31	300	90	3.0	#171 Local Uni	2	
0147.SN2008an	1698	12:28	17:38:28.2	+61:02:14	300	50	3.0	#171 Local Uni	2	got kinda bright so stored -good spectra though

UT Date 2008-02-28 Observers G. NarayanColl. 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.COMP	10	12:57	17:38:28.2	+61:02:14	300	50	3.0	#171 Local Uni	2	

UT Date 2008-02-29 Observers Gautham NarayanColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:10	01:50:56.8	+31:28:02	300	90	3.0	#157 IPHAS	2	
0011-0025.FLAT	25	23:20	01:50:56.8	+31:28:02	300	90	3.0	#157 IPHAS	2	
0026.COMP	10	23:22	01:50:56.8	+31:28:02	300	90	3.0	#157 IPHAS	2	checked tiltpos good
0027-0031.DARK	900	01:50	01:50:56.8	+31:28:02	300	90	3.0	#157 IPHAS	2	
0032.HD19445	10	02:13	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0033.HD19445	10	02:13	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0034.HD19445	10	02:14	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0035.COMP	10	02:14	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0036.G191B2B	300	02:21	05:05:30.6	+52:49:57	300	90	3.0	#56 Spectropho	2	
0037.G191B2B	300	02:27	05:05:30.6	+52:49:57	300	90	3.0	#56 Spectropho	2	
0038.COMP	10	02:32	05:05:30.6	+52:49:57	300	90	3.0	#56 Spectropho	2	
0039.NGC1700	180	02:37	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0040.NGC1700	180	02:40	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0041.COMP	10	02:43	04:56:58.1	-04:52:23	300	90	3.0	#57 Velocity S	2	
0042.sn2008ao	1800	02:51	03:07:46.7	+38:22:06	300	90	3.0	#57 Velocity S	2	no finder for object - only one fuzzy thing near offsets stepha
0043.COMP	10	03:22	03:07:46.7	+38:22:06	300	90	3.0	#57 Velocity S	2	
0044.IPHASB_2025	450	03:31	05:58:01.7	+19:22:39	300	90	3.0	#157 IPHAS	2	
0045.COMP	10	03:39	05:58:01.7	+19:22:39	300	90	3.0	#157 IPHAS	2	
0046.IPHASB_2026	350	03:42	05:58:20.8	+22:52:46	300	90	3.0	#157 IPHAS	2	
0047.COMP	10	03:49	05:58:20.8	+22:52:46	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-29 Observers Gautham NarayanColl. Focus 1320 Grating/Grism 300

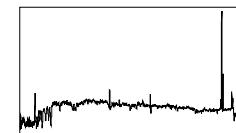
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.IPHASB_2027	250	03:51	05:58:24.1	+14:27:42	300	90	3.0	#157 IPHAS	2	
0049.COMP	10	03:56	05:58:24.1	+14:27:42	300	90	3.0	#157 IPHAS	2	
0050.IPHASB_2068	350	03:58	06:07:28.5	+29:23:25	300	90	3.0	#157 IPHAS	2	sorry did this yesterday but forgot to tick it
0051.COMP	10	04:05	06:07:28.5	+29:23:25	300	90	3.0	#157 IPHAS	2	
0052.IPHASB_2069	180	04:08	06:07:29.7	+23:36:01	300	20	3.0	#157 IPHAS	2	rotated to get near star away from slit
0053.COMP	10	04:12	06:07:29.7	+23:36:01	300	20	3.0	#157 IPHAS	2	
0054.IPHASB_2070	350	04:17	06:08:03.6	+17:41:01	300	90	3.0	#157 IPHAS	2	
0055.COMP	10	04:23	06:08:03.6	+17:41:01	300	90	3.0	#157 IPHAS	2	
0056.IPHASB_2028	350	04:25	05:58:31.5	+26:42:36	300	90	3.0	#157 IPHAS	2	
0057.COMP	10	04:32	05:58:31.5	+26:42:36	300	90	3.0	#157 IPHAS	2	
0058.IPHASB_2029	180	04:35	05:58:39.0	+20:11:09	300	100	3.0	#157 IPHAS	2	rotated slightly to get brighter star above out of slit
0059.COMP	10	04:39	05:58:39.0	+20:11:09	300	100	3.0	#157 IPHAS	2	
0060.IPHASB_2030	400	04:42	05:58:39.2	+32:13:14	300	90	3.0	#157 IPHAS	2	
0061.COMP	10	04:49	05:58:39.2	+32:13:14	300	90	3.0	#157 IPHAS	2	
0062.IPHASB_2032	400	04:53	05:58:51.9	+26:00:54	300	90	3.0	#157 IPHAS	2	
0063.COMP	10	05:00	05:58:51.9	+26:00:54	300	90	3.0	#157 IPHAS	2	
0064.IPHASB_2033	150	05:02	05:58:53.0	+30:30:00	300	90	3.0	#157 IPHAS	2	fastlog.ps wasnt made until now because the darks and flats had
0065.COMP	10	05:05	05:58:53.0	+30:30:00	300	90	3.0	#157 IPHAS	2	
0066.IPHASB_2034	400	05:08	05:58:54.1	+22:03:00	300	90	3.0	#157 IPHAS	2	
0067.COMP	10	05:17	05:58:54.1	+22:03:00	300	90	3.0	#157 IPHAS	2	

UT Date 2008-02-29 Observers Gautham NarayanColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.IPHASB_2035	500	05:19	05:58:55.7	+33:12:31	300	90	3.0	#157 IPHAS	2	
0069.COMP	10	05:28	05:58:55.7	+33:12:31	300	90	3.0	#157 IPHAS	2	
0070.IPHASB_2038	300	05:30	05:59:26.0	+27:13:29	300	90	3.0	#157 IPHAS	2	
0071.COMP	10	05:35	05:59:26.0	+27:13:29	300	90	3.0	#157 IPHAS	2	
0072.IPHASB_2039	350	05:38	05:59:31.3	+20:20:00	300	90	3.0	#157 IPHAS	2	
0073.COMP	10	05:44	05:59:31.3	+20:20:00	300	90	3.0	#157 IPHAS	2	
0074.IPHASB_2040	400	05:46	05:59:36.1	+25:51:50	300	90	3.0	#157 IPHAS	2	
0075.COMP	10	05:53	05:59:36.1	+25:51:50	300	90	3.0	#157 IPHAS	2	
0076.IPHASB_2041	180	05:56	05:59:51.6	+14:28:40	300	90	3.0	#157 IPHAS	2	
0077.COMP	10	05:59	05:59:51.6	+14:28:40	300	90	3.0	#157 IPHAS	2	
0078.fmfs274	1000	06:05	10:19:27.4	-06:39:29	300	90	3.0	#171 Local Uni	2	
0079.COMP	10	06:22	10:19:27.4	-06:39:29	300	90	3.0	#171 Local Uni	2	
0080.sn2008Z	1800	06:27	09:43:15.2	+36:17:04	300	90	3.0	#171 Local Uni	2	good
0081.COMP	10	06:57	09:43:15.2	+36:17:04	300	90	3.0	#171 Local Uni	2	
0082.fmfs275	1500	07:03	10:20:14.4	-06:48:07	300	90	3.0	#171 Local Uni	2	very very faint even with 25min
0083.COMP	10	07:28	10:20:14.4	-06:48:07	300	90	3.0	#171 Local Uni	2	some thin cirrus
0084.fmfs276	1200	07:33	10:20:24.4	-06:29:09	300	90	3.0	#171 Local Uni	2	
0085.COMP	10	07:53	10:20:24.4	-06:29:09	300	90	3.0	#171 Local Uni	2	
0086.sn2008Y	1800	08:05	11:19:30.6	+54:27:46	300	90	3.0	#171 Local Uni	2	couldnt see target - positioned slit with nearby star and galax
0087.COMP	10	08:36	11:19:30.6	+54:27:46	300	90	3.0	#171 Local Uni	2	dont see anything in spectrum

UT Date 2008-02-29 Observers Gautham NarayanColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.fmfs296	800	08:44	10:57:37.9	-13:12:34	300	90	3.0	#171 Local Uni	2	
0089.COMP	10	08:58	10:57:37.9	-13:12:34	300	90	3.0	#171 Local Uni	2	
0090.SN2008ar	1800	09:05	12:24:37.9	+10:50:17	300	90	3.0	#171 Local Uni	2	no guide star - kept nucleus as close to same position as I cou
0091.COMP	10	09:35	12:24:37.9	+10:50:17	300	90	3.0	#171 Local Uni	2	quite a bit of cloud - can see much easier now that moon is up
0092.sn2008aq	1500	09:42	12:50:30.4	-10:52:01	300	90	3.0	#171 Local Uni	2	good - not as easy to see tonight
0093.COMP	10	10:07	12:50:30.4	-10:52:01	300	90	3.0	#171 Local Uni	2	
0094.fmfs382	1200	10:13	13:01:00.1	-08:57:10	300	90	3.0	#171 Local Uni	2	
0095.COMP	10	10:34	13:01:00.1	-08:57:10	300	90	3.0	#171 Local Uni	2	
0096.fmfs383	1000	10:38	13:44:49.4	-16:27:29	300	90	3.0	#171 Local Uni	2	lost faint guide star for a bit there
0097.COMP	10	10:55	13:44:49.4	-16:27:29	300	90	3.0	#171 Local Uni	2	
0098.fmfs384	1500	10:59	13:45:12.4	-16:10:55	300	90	3.0	#171 Local Uni	2	
0099.COMP	10	11:25	13:45:12.4	-16:10:55	300	90	3.0	#171 Local Uni	2	
0100.fmfs385	1800	11:28	13:45:16.0	-16:06:31	300	90	3.0	#171 Local Uni	2	
0101.COMP	10	11:59	13:45:16.0	-16:06:31	300	90	3.0	#171 Local Uni	2	
0102.fmfs429	1300	12:05	14:11:21.9	-09:05:48	300	90	3.0	#171 Local Uni	2	
0103.COMP	10	12:27	14:11:21.9	-09:05:48	300	90	3.0	#171 Local Uni	2	
0104.sn2008an	1216	12:40	17:38:28.2	+61:02:14	300	90	3.0	#171 Local Uni	2	could see this yesterday but not today - just a little more clo
0105.COMP	10	13:01	17:38:28.2	+61:02:14	300	90	3.0	#171 Local Uni	2	
0106-0115.BIAS	0	13:23	17:38:28.2	+61:02:14	300	90	3.0	#157 IPHAS	2	2"
0116-0130.FLAT	25	13:32	17:38:28.2	+61:02:14	300	90	3.0	#157 IPHAS	2	2"

UT Date 2008-02-29 Observers Gautham NarayanColl. Focus 1320 Grating/Grism 300

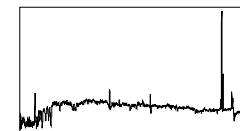
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0131-0135.DARK	900	14:34	17:38:28.2	+61:02:14	300	90	3.0	#157 IPHAS	2	2"

UT Date 2008-03-01 Observers Gautham NarayanColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	10	22:36	01:47:16.2	+31:28:01	300	90	3.0	#157 IPHAS	2	
0002-0011.BIAS	0	22:42	01:47:16.2	+31:28:01	300	90	3.0	#157 IPHAS	2	
0012-0026.FLAT	25	22:51	01:47:16.2	+31:28:01	300	90	3.0	#157 IPHAS	2	
0027-0031.DARK	900	23:54	01:47:16.2	+31:28:01	300	90	3.0	#157 IPHAS	2	
0032.HD19445	10	02:10	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	
0033.HD19445	10	02:11	03:08:26.3	+26:20:29	300	90	3.0	#56 Spectropho	2	Dont use - forgot to rotate to parallactic
0034.HD19445	10	02:13	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0035.HD19445	10	02:13	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0036.HD19445	10	02:13	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0037.COMP	10	02:14	03:08:26.3	+26:20:29	300	72	3.0	#56 Spectropho	2	
0038.G191B2B	300	02:21	05:05:30.6	+52:49:57	300	90	3.0	#56 Spectropho	2	
0039.G191B2B	300	02:27	05:05:30.6	+52:49:57	300	90	3.0	#56 Spectropho	2	
0040.COMP	10	02:32	05:05:30.6	+52:49:57	300	90	3.0	#56 Spectropho	2	
0041.sn2007gr	1500	02:38	02:43:28.0	+37:20:45	300	86	3.0	#56 Spectropho	2	good - finder unclear stephane - its the middle object
0042.COMP	10	03:04	02:43:28.0	+37:20:45	300	86	3.0	#56 Spectropho	2	
0043.HD52071	5	03:08	07:00:58.0	+27:09:26	300	90	3.0	#57 Velocity S	2	focus looks off a little - shifted since we opened - will get a
0044.HD52071	5	03:08	07:00:58.0	+27:09:26	300	90	3.0	#57 Velocity S	2	
0045.COMP	10	03:08	07:00:58.0	+27:09:26	300	90	3.0	#57 Velocity S	2	
0046.IC348-8	30	03:13	03:44:09.2	+32:07:09	300	90	3.0	#170 h & chi P	2	grr forgot comp - will get another one
0047.IC348-6	180	03:17	03:44:36.9	+32:06:45	300	90	3.0	#170 h & chi P	2	

UT Date 2008-03-01 Observers Gautham NarayanColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.COMP	10	03:20	03:44:36.9	+32:06:45	300	90	3.0	#170 h & chi P	2	
0049.IC348-8	30	03:22	03:44:09.2	+32:07:09	300	90	3.0	#170 h & chi P	2	
0050.COMP	10	03:23	03:44:09.2	+32:07:09	300	90	3.0	#170 h & chi P	2	
0051.IC348-21	600	03:24	03:44:56.1	+32:09:15	300	90	3.0	#170 h & chi P	2	redo - need 5000 cts at halpha
0052.COMP	10	03:35	03:44:56.1	+32:09:15	300	90	3.0	#170 h & chi P	2	
0053.IC348-2	40	03:37	03:44:35.4	+32:10:05	300	90	3.0	#170 h & chi P	2	
0054.COMP	10	03:38	03:44:35.4	+32:10:05	300	90	3.0	#170 h & chi P	2	
0055.IC348-19	150	03:40	03:44:30.8	+32:09:56	300	90	3.0	#170 h & chi P	2	
0056.COMP	10	03:43	03:44:30.8	+32:09:56	300	90	3.0	#170 h & chi P	2	
0057.IC348-3	120	03:44	03:44:50.7	+32:19:07	300	90	3.0	#170 h & chi P	2	
0058.COMP	10	03:47	03:44:50.7	+32:19:07	300	90	3.0	#170 h & chi P	2	
0059.IC348-10	30	03:50	03:44:24.7	+32:10:15	300	90	3.0	#170 h & chi P	2	slightly lower than 5000 but probably good-perry said to move o
0060.COMP	10	03:51	03:44:24.7	+32:10:15	300	90	3.0	#170 h & chi P	2	
0061.IC348-30	150	03:53	03:44:19.1	+32:09:31	300	90	3.0	#170 h & chi P	2	
0062.COMP	10	03:56	03:44:19.1	+32:09:31	300	90	3.0	#170 h & chi P	2	
0063.IC348-21	1500	03:57	03:44:56.1	+32:09:15	300	90	3.0	#170 h & chi P	2	
0064.COMP	10	04:22	03:44:56.1	+32:09:15	300	90	3.0	#170 h & chi P	2	
0065.cvso-84205	700	04:27	06:01:33.2	+03:05:08	300	90	3.0	#112 Orion PMS	2	
0066.COMP	10	04:40	06:01:33.2	+03:05:08	300	90	3.0	#112 Orion PMS	2	
0067.cvso-84343	900	04:50	06:01:38.6	+03:19:30	300	20	3.0	#112 Orion PMS	2	

UT Date 2008-03-01 Observers Gautham NarayanColl. Focus 1320 Grating/Grism 300

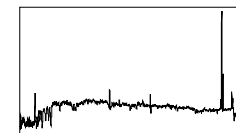
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	10	05:05	06:01:38.6	+03:19:30	300	20	3.0	#112 Orion PMS	2	
0069.cvso-81310	500	05:09	06:01:58.2	+01:59:39	300	90	3.0	#112 Orion PMS	2	
0070.COMP	10	05:20	06:01:58.2	+01:59:39	300	90	3.0	#112 Orion PMS	2	
0071.cvso-85660	600	05:23	06:02:06.2	+02:37:42	300	90	3.0	#112 Orion PMS	2	
0072.COMP	10	05:33	06:02:06.2	+02:37:42	300	90	3.0	#112 Orion PMS	2	
0073.fmfs222	1200	05:38	09:17:55.4	-12:37:39	300	90	3.0	#171 Local Uni	2	
0074.COMP	10	05:58	09:17:55.4	-12:37:39	300	90	3.0	#171 Local Uni	2	
0075.BD+251981	20	06:02	08:44:24.7	+24:47:48	300	90	3.0	#169 RR Lyrae	2	
0076.COMP	10	06:03	08:44:24.7	+24:47:48	300	90	3.0	#169 RR Lyrae	2	
0077.fmfs277	1000	06:09	10:20:44.7	-06:51:34	300	90	3.0	#171 Local Uni	2	
0078.COMP	10	06:26	10:20:44.7	-06:51:34	300	90	3.0	#171 Local Uni	2	
0079.fmfs278	1500	06:32	10:20:47.8	-06:41:11	300	90	3.0	#171 Local Uni	2	lots of stuff in there - I cant see galaxy so had to use everyt
0080.COMP	10	06:57	10:20:47.8	-06:41:11	300	90	3.0	#171 Local Uni	2	
0081.HD84937	20	07:04	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0082.HD84937	20	07:05	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0083.COMP	10	07:05	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0084.HD84937	20	07:07	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	looks slightly out of focus - redid
0085.HD84937	20	07:08	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0086.COMP	10	07:08	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0087.Feige34	180	07:12	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	

UT Date 2008-03-01 Observers Gautham NarayanColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.Feige34	180	07:15	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0089.COMP	10	07:18	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0090.SN2008X1	1800	07:27	10:21:47.9	-19:29:42	300	5	3.0	#56 Spectropho	2	really small offset - got galaxy out of slit as much as possibl
0091.COMP	10	07:58	10:21:47.9	-19:29:42	300	5	3.0	#56 Spectropho	2	
0092.N3379	180	08:06	10:47:50.0	+12:34:55	300	90	3.0	#57 Velocity S	2	
0093.N3379	180	08:09	10:47:50.0	+12:34:55	300	90	3.0	#57 Velocity S	2	
0094.COMP	10	08:13	10:47:50.0	+12:34:55	300	90	3.0	#57 Velocity S	2	
0095.TU_UMa	20	08:15	11:29:48.5	+30:04:02	300	90	3.0	#169 RR Lyrae	2	
0096.COMP	10	08:16	11:29:48.5	+30:04:02	300	90	3.0	#169 RR Lyrae	2	
0097.SU_Dra	30	08:19	11:37:56.6	+67:19:47	300	90	3.0	#169 RR Lyrae	2	
0098.COMP	10	08:20	11:37:56.6	+67:19:47	300	90	3.0	#169 RR Lyrae	2	
0099.Feige56	100	08:24	12:06:47.2	+11:40:13	300	90	3.0	#169 RR Lyrae	2	
0100.COMP	10	08:26	12:06:47.2	+11:40:13	300	90	3.0	#169 RR Lyrae	2	
0101.sn2007sr	1200	08:36	12:01:52.8	-18:58:22	300	90	3.0	#169 RR Lyrae	2	
0102.COMP	10	08:56	12:01:52.8	-18:58:22	300	90	3.0	#169 RR Lyrae	2	
0103.sn2007ar	1500	09:01	12:24:37.9	+10:50:17	300	90	3.0	#169 RR Lyrae	2	
0104.COMP	10	09:27	12:24:37.9	+10:50:17	300	90	3.0	#169 RR Lyrae	2	
0105.sn2008aq	1500	09:30	12:50:30.4	-10:52:01	300	90	3.0	#169 RR Lyrae	2	
0106.COMP	10	09:56	12:50:30.4	-10:52:01	300	90	3.0	#169 RR Lyrae	2	
0107.HD12299	15	09:59	12:55:28.3	+25:44:17	300	90	3.0	#169 RR Lyrae	2	

UT Date 2008-03-01 Observers Gautham NarayanColl. 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.COMP	10	10:00	12:55:28.3	+25:44:17	300	90	3.0	#169 RR Lyrae	2	
0109.fmfs347	1200	10:03	12:56:36.3	-10:01:01	300	90	3.0	#171 Local Uni	2	
0110.COMP	10	10:24	12:56:36.3	-10:01:01	300	90	3.0	#171 Local Uni	2	
0111.fmfs348	1200	10:26	12:56:36.5	-09:53:44	300	90	3.0	#171 Local Uni	2	adjusted focus slightly
0112.COMP	10	10:47	12:56:36.5	-09:53:44	300	90	3.0	#171 Local Uni	2	
0113.UY_Boo	40	10:51	13:58:46.3	+12:57:07	300	90	3.0	#169 RR Lyrae	2	
0114.COMP	10	10:53	13:58:46.3	+12:57:07	300	90	3.0	#169 RR Lyrae	2	
0115.TU_UMa	20	10:55	11:29:48.5	+30:04:02	300	90	3.0	#169 RR Lyrae	2	
0116.COMP	10	10:55	11:29:48.5	+30:04:02	300	90	3.0	#169 RR Lyrae	2	
0117.SU_Dra	30	10:59	11:37:56.6	+67:19:47	300	90	3.0	#169 RR Lyrae	2	
0118.COMP	10	11:00	11:37:56.6	+67:19:47	300	90	3.0	#169 RR Lyrae	2	
0119.fmfs424	1200	11:04	14:08:40.7	-09:33:41	300	90	3.0	#171 Local Uni	2	
0120.COMP	10	11:25	14:08:40.7	-09:33:41	300	90	3.0	#171 Local Uni	2	
0121.sn2008af	1800	11:32	14:59:28.5	+16:39:12	300	90	3.0	#171 Local Uni	2	
0122.COMP	10	12:02	14:59:28.5	+16:39:12	300	90	3.0	#171 Local Uni	2	
0123.fmfs425	900	12:05	14:08:48.6	-09:01:09	300	90	3.0	#171 Local Uni	2	
0124.COMP	10	12:21	14:08:48.6	-09:01:09	300	90	3.0	#171 Local Uni	2	
0125.fmfs426	900	12:24	14:09:46.3	-08:51:06	300	90	3.0	#171 Local Uni	2	
0126.COMP	10	12:40	14:09:46.3	-08:51:06	300	90	3.0	#171 Local Uni	2	
0127.UY_Boo	40	12:43	13:58:46.3	+12:57:07	300	90	3.0	#169 RR Lyrae	2	

UT Date 2008-03-01 Observers Gautham NarayanColl. 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>
0128.COMP	10	12:44	13:58:46.3	+12:57:07	300	90	3.0	#169 RR Lyrae	2	
0129.TW_Boo	45	12:46	14:45:05.9	+41:01:45	300	90	3.0	#169 RR Lyrae	2	
0130.COMP	10	12:47	14:45:05.9	+41:01:45	300	90	3.0	#169 RR Lyrae	2	
0131.AGDra	2	12:50	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0132.AGDra	15	12:50	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0133.AGDra	45	12:51	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0134.COMP	10	12:52	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0135.HD155967	10	12:56	17:14:20.1	+14:33:09	300	90	3.0	#12 Symbiotic	2	
0136.COMP	10	12:57	17:14:20.1	+14:33:09	300	90	3.0	#12 Symbiotic	2	
0137-0146.BIAS	0	13:18	17:14:20.1	+14:33:09	300	90	3.0	#157 IPHAS	2	
0147-0161.FLAT	25	13:28	17:14:20.1	+14:33:09	300	90	3.0	#157 IPHAS	2	
0162-0166.DARK	900	14:30	17:14:20.1	+14:33:09	300	90	3.0	#157 IPHAS	2	