



FLWO 60 Nightly Observing Log

DATE -- 05/07/2007 OBS -- WAP INST -- FAST

HOURS OBSERVED -- 0 HOURS LOST -- 9.5

LOST TO WEATHER -- 2.5 LOST TO TELESCOPE -- 0 LOST TO INSTRUMENT -- 7 LOST TO
OBSERVER -- 0

Comments -- dewar will not pump to below 10 e-4 torr -

Answer_Log

Reset

Log Answers

UT Date 2007-05-09 Observers w petersColl. Focus 1305 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	21:07	03:10:22.4	+31:28:12	300	90	3.0	#0 Calibration	2	
0002.FLAT	15	21:07	03:10:22.4	+31:28:12	300	90	3.0	#0 Calibration	2	
0003-0007.DARK	900	22:10	03:10:22.4	+31:28:12	300	90	3.0	#0 Calibration	2	
0008-0012.DARK	900	23:42	03:10:22.4	+31:28:12	300	90	3.0	#0 Calibration	4	
0013-0017.DARK	900	01:06	03:10:22.4	+31:28:12	300	90	3.0	#0 Calibration	2	
0021-0030.BIAS	0	03:41	03:10:22.4	+31:28:12	300	90	3.0	#0 Calibration	2	
0031-0045.FLAT	25	03:50	03:10:22.4	+31:28:12	300	90	3.0	#0 Calibration	2	
0046.Feige34	90	04:17	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0047.Feige34	90	04:18	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0048.COMP	12	04:20	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0049.HD84937	8	04:28	09:48:54.9	+13:45:14	300	55	3.0	#56 Spectropho	2	
0050.HD84937	8	04:29	09:48:54.9	+13:45:14	300	55	3.0	#56 Spectropho	2	
0051.COMP	12	04:30	09:48:54.9	+13:45:14	300	55	3.0	#56 Spectropho	2	
0052.N4486B	300	04:35	12:30:32.0	+12:29:25	300	90	3.0	#57 Velocity S	2	
0053.COMP	12	04:40	12:30:32.0	+12:29:25	300	90	3.0	#57 Velocity S	2	
0054.sn2007ce	1500	04:58	12:10:18.0	+48:43:32	300	90	3.0	#2 SN Observat	2	
0055.COMP	12	05:24	12:10:18.0	+48:43:32	300	90	3.0	#2 SN Observat	2	
0056.TXCVn	10	05:32	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0057.TXCVn	30	05:32	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0058.COMP	12	05:33	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	

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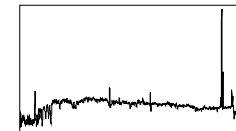
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0059.RWHya	2	05:36	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0060.RWHya	10	05:36	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0061.RWHya	20	05:37	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0062.COMP	12	05:38	13:34:18.0	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0063.sn2007cd	1800	05:52	13:29:26.5	+11:00:45	300	90	3.0	#2 SN Observat	2	cannot see it used offsets not sure if it is there
0064.COMP	12	06:23	13:29:26.5	+11:00:45	300	90	3.0	#2 SN Observat	2	
0065.sn2007cc	1200	06:31	14:08:42.0	-21:35:48	300	90	3.0	#2 SN Observat	2	
0066.COMP	12	06:51	14:08:42.0	-21:35:48	300	90	3.0	#2 SN Observat	2	
0067.TCrB	15	06:55	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0068.TCrB	60	06:55	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0069.COMP	12	06:57	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0070.AGDra	2	06:59	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0071.AGDra	15	07:00	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0072.AGDra	45	07:00	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0073.COMP	12	07:05	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0074.DracoC1	1200	07:13	17:19:58.0	+57:50:06	300	60	3.0	#12 Symbiotic	2	
0075.COMP	12	07:34	17:19:58.0	+57:50:06	300	60	3.0	#12 Symbiotic	2	
0076.RSOph	10	07:38	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0077.RSOph	60	07:39	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0078.RSOph	150	07:41	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.COMP	12	07:44	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0080.GWLib	120	07:51	15:19:55.5	-25:00:25	300	15	3.0	#148 Accretion	2	
0081.GWLib	300	07:54	15:19:55.5	-25:00:25	300	15	3.0	#148 Accretion	2	
0082.COMP	12	07:59	15:19:55.5	-25:00:25	300	15	3.0	#148 Accretion	2	
0083.Hen1341	120	08:07	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0084.Hen1341	30	08:10	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0085.COMP	12	08:11	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0086.Hen1341	10	08:12	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0087.YYHer	10	08:22	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0088.YYHer	60	08:23	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0089.COMP	12	08:26	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0090.V443Her	5	08:39	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0091.V443Her	45	08:39	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0092.V443Her	90	08:40	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0093.COMP	12	08:45	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0094.AS289	5	08:49	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0095.AS289	20	08:50	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0096.AS289	60	08:51	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	science around 90
0097.COMP	12	08:53	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0098.XS04056B7_006	1800	09:11	15:23:36.8	+28:38:35	300	75	3.0	#129 CHAMP Sou	2	

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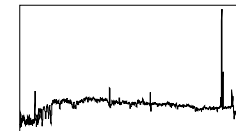
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0099.COMP	12	09:42	15:23:36.8	+28:38:35	300	75	3.0	#129 CHAMP Sou	2	
0100.XS03214B7_015	1800	09:49	15:52:13.8	+20:13:44	300	60	3.0	#129 CHAMP Sou	2	
0101.COMP	12	10:20	15:52:13.8	+20:13:44	300	60	3.0	#129 CHAMP Sou	2	
0102.XS03138B8_005	1920	10:26	15:32:27.7	+24:01:04	300	70	3.0	#129 CHAMP Sou	2	
0103.COMP	12	11:00	15:32:27.7	+24:01:04	300	70	3.0	#129 CHAMP Sou	2	
0104.AS270	30	11:05	18:05:33.0	-20:20:37	300	90	3.0	#12 Symbiotic	2	
0105.AS270	60	11:06	18:05:33.0	-20:20:37	300	90	3.0	#12 Symbiotic	2	science around 90
0106.AS270	120	11:08	18:05:33.0	-20:20:37	300	90	3.0	#12 Symbiotic	2	
0107.COMP	12	11:10	18:05:33.0	-20:20:37	300	90	3.0	#12 Symbiotic	2	
0108.Hen1591	30	11:13	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	science around 90
0109.Hen1591	10	11:15	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0110.Hen1591	60	11:16	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0111.COMP	12	11:18	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0112.AS316	10	11:23	18:42:33.0	-21:17:47	300	70	3.0	#12 Symbiotic	2	
0113.AS316	30	11:24	18:42:33.0	-21:17:47	300	70	3.0	#12 Symbiotic	2	science object at 88
0114.AS316	60	11:25	18:42:33.0	-21:17:47	300	70	3.0	#12 Symbiotic	2	
0115.COMP	12	11:27	18:42:33.0	-21:17:47	300	70	3.0	#12 Symbiotic	2	
0116.AS327	10	11:35	18:53:17.0	-24:22:59	300	90	3.0	#12 Symbiotic	2	
0118.AS327	60	11:41	18:53:17.0	-24:22:59	300	90	3.0	#12 Symbiotic	2	
0119.COMP	12	11:44	18:53:17.0	-24:22:59	300	90	3.0	#12 Symbiotic	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0120-0129.BIAS	0	12:03	18:53:17.0	-24:22:59	300	90	3.0	#0 Calibration	2	
0130-0144.FLAT	25	12:12	18:53:17.0	-24:22:59	300	90	3.0	#0 Calibration	2	
0145-0149.DARK	900	13:27	18:53:17.0	-24:22:59	300	90	3.0	#0 Calibration	4	
0150-0154.DARK	900	14:43	18:53:17.0	-24:22:59	300	90	3.0	#0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	02:04	18:53:17.0	-24:22:59	300	90	3.0	#0 Calibration	4	
0006-0007.DARK	900	02:35	18:53:17.0	-24:22:59	300	90	3.0	#0 Calibration	2	
0008-0017.BIAS	0	02:56	18:53:17.0	-24:22:59	300	90	3.0	#0 Calibration	2	
0018-0032.FLAT	25	03:05	18:53:17.0	-24:22:59	300	90	3.0	#0 Calibration	2	
0033.COMP	12	03:10	18:53:17.0	-24:22:59	300	90	3.0	#0 Calibration	2	
0034.BXMon	15	03:18	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0035.BXMon	180	03:19	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0036.COMP	12	03:23	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0037.BGGem	300	03:28	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0038.COMP	12	03:33	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0039.HD84937	10	03:37	09:48:54.9	+13:45:14	300	46	3.0	#56 Spectropho	2	
0040.HD84937	10	03:37	09:48:54.9	+13:45:14	300	46	3.0	#56 Spectropho	2	
0041.COMP	12	03:38	09:48:54.9	+13:45:14	300	46	3.0	#56 Spectropho	2	
0042.Feige34	120	03:42	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0043.Feige34	120	03:45	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0044.COMP	12	03:49	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0045.N4486B	300	03:57	12:30:32.0	+12:29:25	300	90	3.0	#57 Velocity S	2	
0046.COMP	12	04:03	12:30:32.0	+12:29:25	300	90	3.0	#57 Velocity S	2	
0047.cirfastf043	1200	04:12	10:10:04.3	+00:21:18	300	90	3.0	#172 SDSS Clus	2	
0048.COMP	12	04:33	10:10:04.3	+00:21:18	300	90	3.0	#172 SDSS Clus	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.cirsfastf044	600	04:36	10:16:35.8	-01:15:35	300	90	3.0	#172 SDSS Clus	2	
0050.COMP	12	04:47	10:16:35.8	-01:15:35	300	90	3.0	#172 SDSS Clus	2	
0051.cirsfastf045	900	04:51	10:16:44.6	-01:09:27	300	90	3.0	#172 SDSS Clus	2	
0052.COMP	12	05:07	10:16:44.6	-01:09:27	300	90	3.0	#172 SDSS Clus	2	
0053.sn2007ca	1200	05:15	13:31:05.8	-15:06:07	300	-9	3.0	#2 SN Observat	2	
0054.COMP	12	05:37	13:31:05.8	-15:06:07	300	-9	3.0	#2 SN Observat	2	
0055.sn2007cb	1500	05:43	13:58:17.2	-23:22:21	300	-8	3.0	#2 SN Observat	2	
0056.COMP	12	06:09	13:58:17.2	-23:22:21	300	-8	3.0	#2 SN Observat	2	
0057.sn2007cf	1800	06:29	15:23:07.7	+08:31:46	300	-33	3.0	#2 SN Observat	2	
0058.COMP	12	07:00	15:23:07.7	+08:31:46	300	-33	3.0	#2 SN Observat	2	
0061-0070.FLAT	60	07:35	15:23:07.7	+08:31:46	1200	90	1.0	#148 Accretion	2	
0071.GWLib	300	07:48	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0072.GWLib	300	07:54	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0073.COMP	45	08:01	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0074.GWLib	300	08:04	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0075.GWLib	300	08:09	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0076.COMP	45	08:16	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0077.GWLib	300	08:18	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0078.GWLib	300	08:24	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0079.COMP	45	08:29	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	



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Coll. Focus 1305 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>
0080.GWLib	300	08:31	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0081.GWLib	300	08:36	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0082.COMP	45	08:41	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0083.GWLib	300	08:43	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0084.GWLib	300	08:48	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0085.COMP	45	08:54	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0086.GWLib	300	08:55	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0087.GWLib	300	09:00	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0088.COMP	45	09:06	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0089.GWLib	300	09:07	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0090.GWLib	300	09:13	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0091.COMP	45	09:18	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0092.GWLib	300	09:20	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0093.GWLib	300	09:25	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0094.COMP	45	09:31	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0095.GWLib	300	09:32	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0096.GWLib	300	09:37	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0097.COMP	45	09:43	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0098.GWLib	300	09:44	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0099.GWLib	300	09:49	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0100.COMP	45	09:55	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0101.GWLib	300	09:57	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0102.GWLib	300	10:02	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0103.COMP	45	10:09	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0105.BFCyg	1	10:27	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0106.BFCyg	60	10:27	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0107.COMP	12	10:29	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0108.CHCyg	1	10:34	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0109.CHCyg	5	10:35	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0110.CHCyg	30	10:35	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0111.COMP	12	10:36	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0112.AS360	10	10:39	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0113.AS360	30	10:39	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0114.AS360	60	10:40	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0115.AS360	2	10:42	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0116.COMP	12	10:42	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0117.CICyg	2	10:44	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0118.CICyg	20	10:45	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0119.CICyg	60	10:45	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0120.COMP	12	10:47	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.PUVu1	1	10:49	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0122.PUVu1	10	10:49	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0123.PUVu1	60	10:50	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0124.COMP	12	10:51	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0125.3C390.3	120	10:55	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0126.COMP	12	10:59	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0127.MRK509	120	11:02	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0128.COMP	12	11:05	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0129.U19481416	120	11:17	17:50:57.7	-29:40:36	300	95	3.0	#152 ChaMPlane	2	
0130.COMP	12	11:20	17:50:57.7	-29:40:36	300	95	3.0	#152 ChaMPlane	2	
0131.U19481507	120	11:24	17:51:11.7	-29:31:32	300	18	3.0	#152 ChaMPlane	2	
0132.COMP	12	11:26	17:51:11.7	-29:31:32	300	18	3.0	#152 ChaMPlane	2	
0133.U19481657	120	11:30	17:51:28.1	-29:37:04	300	20	3.0	#152 ChaMPlane	2	
0134.COMP	12	11:33	17:51:28.1	-29:37:04	300	20	3.0	#152 ChaMPlane	2	
0135.U19481692	120	11:37	17:51:30.6	-29:32:28	300	90	3.0	#152 ChaMPlane	2	
0136.COMP	12	11:39	17:51:30.6	-29:32:28	300	90	3.0	#152 ChaMPlane	2	
0137-0146.BIAS	0	11:48	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0147-0161.FLAT	25	11:57	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0162-0166.DARK	900	13:17	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	

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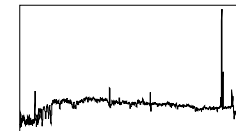
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	01:56	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	4	
0006-0007.DARK	900	02:27	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0008.COMP	10	02:44	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	checking tilt
0009-0018.BIAS	0	02:48	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0019-0033.FLAT	25	02:57	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0034.HD84937	5	03:07	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0035.HD84937	5	03:07	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0036.COMP	12	03:08	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0037.Feige34	120	03:11	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0038.Feige34	120	03:13	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0039.COMP	12	03:16	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0040.N3377	180	03:18	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0041.N3377	180	03:22	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0042.COMP	12	03:25	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	2	
0043.sn2007bm	1800	03:29	11:25:02.3	-09:47:54	300	90	3.0	#2 SN Observat	2	
0044.COMP	12	03:59	11:25:02.3	-09:47:54	300	90	3.0	#2 SN Observat	2	
0045.sn2007bc	1800	04:03	11:19:14.6	+20:48:33	300	90	3.0	#2 SN Observat	2	
0046.COMP	12	04:34	11:19:14.6	+20:48:33	300	90	3.0	#2 SN Observat	2	
0047.sn2007ce	1800	04:40	12:10:18.0	+48:43:32	300	90	3.0	#2 SN Observat	2	
0048.COMP	12	05:12	12:10:18.0	+48:43:32	300	90	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.XS03213B6_006	1920	05:22	13:31:45.5	+11:12:13	300	90	3.0	#129 CHAMP Sou	2	
0050.COMP	12	05:59	13:31:45.5	+11:12:13	300	90	3.0	#129 CHAMP Sou	2	
0051.XS03223B7_018	1860	06:10	13:40:31.3	+40:21:09	300	90	3.0	#129 CHAMP Sou	2	
0052.COMP	12	06:42	13:40:31.3	+40:21:09	300	90	3.0	#129 CHAMP Sou	2	
0053.XS03244B2_002	1860	06:49	13:07:22.4	+46:33:22	300	90	3.0	#129 CHAMP Sou	2	
0054.COMP	12	07:20	13:07:22.4	+46:33:22	300	90	3.0	#129 CHAMP Sou	2	
0055.GWLib	120	07:27	15:19:55.5	-25:00:25	300	21	3.0	#148 Accretion	2	
0056.GWLib	120	07:29	15:19:55.5	-25:00:25	300	21	3.0	#148 Accretion	2	
0057.COMP	12	07:32	15:19:55.5	-25:00:25	300	21	3.0	#148 Accretion	2	
0058.AGDra	2	07:39	16:01:41.0	+66:48:10	300	10	3.0	#12 Symbiotic	2	
0059.AGDra	15	07:39	16:01:41.0	+66:48:10	300	10	3.0	#12 Symbiotic	2	
0060.AGDra	45	07:40	16:01:41.0	+66:48:10	300	10	3.0	#12 Symbiotic	2	
0061.COMP	12	07:42	16:01:41.0	+66:48:10	300	10	3.0	#12 Symbiotic	2	
0062.XS04822B6_010	1920	07:51	14:52:33.2	+33:50:04	300	50	3.0	#129 CHAMP Sou	2	
0063.COMP	12	08:24	14:52:33.2	+33:50:04	300	50	3.0	#129 CHAMP Sou	2	
0064.XS03482B3_001	1920	08:31	14:26:20.4	+35:37:08	300	90	3.0	#129 CHAMP Sou	2	
0065.COMP	12	09:05	14:26:20.4	+35:37:08	300	90	3.0	#129 CHAMP Sou	2	
0066.1RXS_J162554.5	420	09:10	16:25:54.6	-23:30:29	300	90	3.0	#164 Nearby Yo	2	
0067.COMP	12	09:17	16:25:54.6	-23:30:29	300	90	3.0	#164 Nearby Yo	2	
0068.1RXS_J162555.2	420	09:19	16:25:55.1	-23:24:24	300	90	3.0	#164 Nearby Yo	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.COMP	12	09:26	16:25:55.1	-23:24:24	300	90	3.0	#164 Nearby Yo	2	
0070.1RXS_J162650.3	420	09:30	16:26:51.3	-23:31:05	300	90	3.0	#164 Nearby Yo	2	
0071.COMP	12	09:38	16:26:51.3	-23:31:05	300	90	3.0	#164 Nearby Yo	2	
0072.0194.1_091805	420	09:44	17:51:37.5	-29:36:02	300	90	3.0	#152 ChaMPlane	2	object at 83
0073.COMP	12	09:53	17:51:37.5	-29:36:02	300	90	3.0	#152 ChaMPlane	2	
0074.0194.1_022133	420	10:00	17:51:51.9	-29:41:22	300	20	3.0	#152 ChaMPlane	2	
0075.COMP	12	10:08	17:51:51.9	-29:41:22	300	20	3.0	#152 ChaMPlane	2	
0076.U19732990	240	10:12	17:51:59.0	-29:27:41	300	90	3.0	#152 ChaMPlane	2	
0077.COMP	12	10:17	17:51:59.0	-29:27:41	300	90	3.0	#152 ChaMPlane	2	
0078.U19482071	240	10:19	17:52:01.1	-29:36:25	300	90	3.0	#152 ChaMPlane	2	
0079.COMP	12	10:24	17:52:01.1	-29:36:25	300	90	3.0	#152 ChaMPlane	2	
0080.sc01_462533	240	10:28	18:02:43.0	-29:55:22	300	90	3.0	#152 ChaMPlane	2	
0081.COMP	12	10:34	18:02:43.0	-29:55:22	300	90	3.0	#152 ChaMPlane	2	
0082.4dlxfast129	600	10:45	16:27:27.5	+23:53:58	300	90	3.0	#172 SDSS Clus	2	
0083.COMP	12	10:55	16:27:27.5	+23:53:58	300	90	3.0	#172 SDSS Clus	2	
0084.4dlxfast131	720	11:05	16:31:52.3	+25:26:27	300	90	3.0	#172 SDSS Clus	2	
0085.COMP	12	11:18	16:31:52.3	+25:26:27	300	90	3.0	#172 SDSS Clus	2	
0086.4dlxfast133	720	11:25	21:35:07.3	+01:05:41	300	80	3.0	#172 SDSS Clus	2	sky getting bright
0087.COMP	12	11:38	21:35:07.3	+01:05:41	300	80	3.0	#172 SDSS Clus	2	
0088-0097.BIAS	0	11:56	21:35:07.3	+01:05:41	300	90	3.0	#152 ChaMPlane	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0098-0112.FLAT	25	12:05	21:35:07.3	+01:05:41	300	90	3.0	#152 ChaMPlane	2	
0113-0117.DARK	900	13:09	21:35:07.3	+01:05:41	300	90	3.0	#152 ChaMPlane	4	
0118-0122.DARK	900	14:26	21:35:07.3	+01:05:41	300	90	3.0	#152 ChaMPlane	2	



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Coll. Focus 1320 Grating/Grism 300

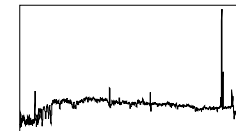
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	22:18	06:09:11.2	+31:29:48	300	90	3.0	#152 ChaMPlane	4	
0002.BIAS	0	22:27	06:09:11.2	+31:29:48	300	90	3.0	#152 ChaMPlane	4	x10
0003-0011.BIAS	0	22:28	06:09:11.2	+31:29:48	300	90	3.0	#152 ChaMPlane	4	
0012.FLAT	12	22:28	06:09:11.2	+31:29:48	300	90	3.0	#152 ChaMPlane	4	x10
0013-0021.FLAT	12	22:31	06:09:11.2	+31:29:48	300	90	3.0	#152 ChaMPlane	4	
0022.BIAS	0	22:32	06:09:11.2	+31:29:48	300	90	3.0	#152 ChaMPlane	2	x10
0023-0031.BIAS	0	22:33	06:09:11.2	+31:29:48	300	90	3.0	#152 ChaMPlane	2	
0032.FLAT	25	22:33	06:09:11.2	+31:29:48	300	90	3.0	#152 ChaMPlane	2	x15
0033-0046.FLAT	25	22:42	06:09:11.2	+31:29:48	300	90	3.0	#152 ChaMPlane	2	
0047.fastfoc	12	22:50	06:09:11.2	+31:29:48	300	90	3.0	#0 Calibration	4	x7 foc=1320
0048.fastfoc	12	22:50	06:09:11.2	+31:29:48	300	90	3.0	#0 Calibration	4	
0049.fastfoc	12	22:51	06:09:11.2	+31:29:48	300	90	3.0	#0 Calibration	4	
0050.fastfoc	12	22:51	06:09:11.2	+31:29:48	300	90	3.0	#0 Calibration	4	
0051.fastfoc	12	22:51	06:09:11.2	+31:29:48	300	90	3.0	#0 Calibration	4	
0052.fastfoc	12	22:52	06:09:11.2	+31:29:48	300	90	3.0	#0 Calibration	4	
0053.fastfoc	12	22:52	06:09:11.2	+31:29:48	300	90	3.0	#0 Calibration	4	
0054.COMP	10	23:27	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0055.fastfoc	20	23:29	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	x8 tilt=245
0056.fastfoc	20	23:30	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0057.fastfoc	20	23:30	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	



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Coll. Focus 1320 Grating/Grism 300

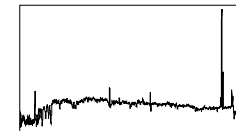
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.fastfoc	20	23:31	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0059.fastfoc	20	23:32	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0060.fastfoc	20	23:32	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0061.fastfoc	20	23:33	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0062.fastfoc	20	23:33	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0063.fastfoc	20	23:36	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	x7 foc=1420
0064.fastfoc	20	23:37	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0065.fastfoc	20	23:37	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0066.fastfoc	20	23:38	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0067.fastfoc	20	23:38	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0068.fastfoc	20	23:39	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0069.fastfoc	20	23:39	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0070.COMP	20	02:00	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	tilt=777
0071.COMP	20	02:03	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	with 495 blocking filter
0072.fastfoc	20	02:04	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	x7 foc=1410
0073.fastfoc	20	02:05	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0074.fastfoc	20	02:05	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0075.fastfoc	20	02:06	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0076.fastfoc	20	02:06	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0077.fastfoc	20	02:07	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	

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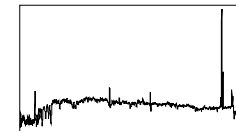
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0078.fastfoc	20	02:07	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	
0079.fastfoc	100	02:11	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	flat test
0080.fastfoc	100	02:22	06:09:11.2	+31:29:48	1200	90	2.0	#0 Calibration	4	flat test
0081.BIAS	0	02:33	10:39:36.9	+43:06:11	600	90	2.0	#0 Calibration	4	x10
0082-0090.BIAS	0	02:34	10:39:36.9	+43:06:11	600	90	2.0	#0 Calibration	4	
0091.FLAT	45	02:34	10:39:36.9	+43:06:11	600	90	2.0	#0 Calibration	4	x10
0092-0100.FLAT	45	02:43	10:39:36.9	+43:06:11	600	90	2.0	#0 Calibration	4	
0101.test	10	02:58	10:39:36.9	+43:06:11	600	90	2.0	#0 Calibration	4	
0102.Feige34	120	03:08	10:39:36.9	+43:06:11	600	90	2.0	#56 Spectropho	4	
0103.COMP	10	03:11	10:39:36.9	+43:06:11	600	90	2.0	#56 Spectropho	4	
0104.bcand300	990	03:15	13:57:13.4	+22:44:34	600	90	2.0	#166 Hyper Vel	4	
0105.COMP	10	03:32	13:57:13.4	+22:44:34	600	90	2.0	#166 Hyper Vel	4	
0106.bcand298	1080	03:35	13:53:47.5	+18:31:00	600	90	2.0	#166 Hyper Vel	4	
0107.COMP	10	03:53	13:53:47.5	+18:31:00	600	90	2.0	#166 Hyper Vel	4	
0108.bcand297	1320	03:55	13:49:24.5	+21:07:25	600	90	2.0	#166 Hyper Vel	4	
0109.COMP	10	04:18	13:49:24.5	+21:07:25	600	90	2.0	#166 Hyper Vel	4	
0110.bcand299	1320	04:19	13:56:41.2	+19:36:47	600	90	2.0	#166 Hyper Vel	4	
0111.COMP	10	04:42	13:56:41.2	+19:36:47	600	90	2.0	#166 Hyper Vel	4	
0112.bcand304	1480	04:44	14:18:38.4	+21:06:12	600	90	2.0	#166 Hyper Vel	4	
0113.COMP	10	05:09	14:18:38.4	+21:06:12	600	90	2.0	#166 Hyper Vel	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0114.bcand302	1480	05:10	14:04:54.2	+17:51:47	600	90	2.0	#166 Hyper Vel	4	
0115.COMP	10	05:35	14:04:54.2	+17:51:47	600	90	2.0	#166 Hyper Vel	4	
0116.COMP	5	05:40	14:04:54.2	+17:51:47	300	90	3.0	#166 Hyper Vel	4	wavelength test
0117.COMP	5	05:41	14:04:54.2	+17:51:47	300	90	3.0	#166 Hyper Vel	4	wavelength test
0118.COMP	5	05:43	14:04:54.2	+17:51:47	300	90	3.0	#166 Hyper Vel	4	wavelength test
0119.COMP	5	05:44	14:04:54.2	+17:51:47	300	90	3.0	#0 Calibration	4	wavelength test
0120.Feige34	300	05:52	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	PA=90
0121.COMP	10	05:58	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0122.sn2007ca	1200	06:08	13:31:05.8	-15:06:07	300	10	3.0	#2 SN Observat	2	PA=10
0123.COMP	10	06:28	13:31:05.8	-15:06:07	300	10	3.0	#2 SN Observat	2	
0124.sn2007af	1500	06:33	14:22:21.0	-00:23:38	300	10	3.0	#2 SN Observat	2	PA=10
0125.COMP	10	06:58	14:22:21.0	-00:23:38	300	10	3.0	#2 SN Observat	2	
0126.sn2007bz	1620	07:03	12:56:53.8	+22:22:22	300	65	3.0	#2 SN Observat	2	PA=65
0127.COMP	10	07:31	12:56:53.8	+22:22:22	300	65	3.0	#2 SN Observat	2	
0128.BDp262606	30	07:32	14:49:02.4	+25:42:09	300	65	3.0	#56 Spectropho	2	
0129.COMP	10	07:33	14:49:02.4	+25:42:09	300	65	3.0	#56 Spectropho	2	
0130.BDp262606	30	07:39	14:49:02.4	+25:42:09	1200	11	1.0	#56 Spectropho	2	tilt=245, PA=10
0131.BDp262606	90	07:40	14:49:02.4	+25:42:09	1200	11	1.0	#56 Spectropho	2	
0132.COMP	10	07:42	14:49:02.4	+25:42:09	1200	11	1.0	#56 Spectropho	2	
0133.GWLib	600	07:46	15:19:55.5	-25:00:25	1200	11	1.0	#148 Accretion	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0134.COMP	10	07:57	15:19:55.5	-25:00:25	1200	11	1.0	#148 Accretion	2	
0135.GWLib	600	07:58	15:19:55.5	-25:00:25	1200	11	1.0	#148 Accretion	2	
0136.COMP	10	08:09	15:19:55.5	-25:00:25	1200	11	1.0	#148 Accretion	2	
0137-0141.FLAT	120	08:20	15:19:55.5	-25:00:25	1200	11	1.0	#148 Accretion	2	
0142.BDp262606	30	08:27	14:49:02.4	+25:42:09	1200	70	2.0	#56 Spectropho	2	tilt=777; GG495 blocker, PA=70
0143.COMP	10	08:28	14:49:02.4	+25:42:09	1200	70	2.0	#56 Spectropho	2	
0144.BDp262606	90	08:29	14:49:02.4	+25:42:09	1200	70	2.0	#56 Spectropho	2	
0145.COMP	10	08:31	14:49:02.4	+25:42:09	1200	70	2.0	#56 Spectropho	2	
0146.XTEJ1946p274	1200	08:37	19:45:39.0	+27:21:55	1200	105	2.0	#176 Be/X-ray	2	PA=105; observing nearest star to coords
0147.COMP	10	08:58	19:45:39.0	+27:21:55	1200	105	2.0	#176 Be/X-ray	2	
0148.KS1947p300	1200	09:04	19:49:30.0	+30:12:24	1200	105	2.0	#176 Be/X-ray	2	PA=105; observing nearest star to coords
0149.COMP	10	09:25	19:49:30.0	+30:12:24	1200	105	2.0	#176 Be/X-ray	2	
0150.GROJ2058p42	1200	09:27	20:58:47.0	+41:46:36	1200	95	2.0	#176 Be/X-ray	2	PA=95
0151.COMP	10	09:47	20:58:47.0	+41:46:36	1200	95	2.0	#176 Be/X-ray	2	
0152.SAXJ21035p4545	1800	09:51	21:03:36.0	+45:45:05	1200	90	2.0	#176 Be/X-ray	2	PA=90
0153.COMP	10	10:21	21:03:36.0	+45:45:05	1200	90	2.0	#176 Be/X-ray	2	
0154.4U2204p543	600	10:24	22:07:57.0	+54:31:06	1200	90	2.0	#176 Be/X-ray	2	
0155.COMP	10	10:34	22:07:57.0	+54:31:06	1200	90	2.0	#176 Be/X-ray	2	
0156.FLAT	65	10:35	22:07:57.0	+54:31:06	1200	90	2.0	#176 Be/X-ray	2	x10
0157-0165.FLAT	65	10:47	22:07:57.0	+54:31:06	1200	90	2.0	#176 Be/X-ray	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0166.COMP	5	10:52	18:45:00.0	+25:00:00	300	90	3.0	#56 Spectropho	4	30 min left; will do more COMBO targets
0167.COMP	5	10:54	18:45:00.0	+25:00:00	300	90	3.0	#56 Spectropho	4	wavelength test
0168.55_065100	720	10:58	18:10:20.2	-19:05:07	300	10	3.0	#152 ChaMPlane	4	bright obj, row 33
0169.COMP	5	11:11	18:10:20.2	-19:05:07	300	10	3.0	#152 ChaMPlane	4	
0170.55_071980	600	11:13	18:10:23.0	-19:06:18	300	10	3.0	#152 ChaMPlane	4	
0171.COMP	5	11:23	18:10:23.0	-19:06:18	300	10	3.0	#152 ChaMPlane	4	
0172.55_095537	630	11:24	18:10:32.6	-19:04:02	300	10	3.0	#152 ChaMPlane	4	
0173.COMP	5	11:35	18:10:32.6	-19:04:02	300	10	3.0	#152 ChaMPlane	4	
0174.FLAT	12	11:36	18:10:32.6	-19:04:02	300	10	3.0	#152 ChaMPlane	4	x10
0175-0183.FLAT	12	11:39	18:10:32.6	-19:04:02	300	10	3.0	#152 ChaMPlane	4	
0184.FLAT	25	11:44	18:10:32.6	-19:04:02	300	90	3.0	#152 ChaMPlane	2	x10
0185-0193.FLAT	25	11:49	18:10:32.6	-19:04:02	300	90	3.0	#152 ChaMPlane	2	
0194.BIAS	0	11:50	18:10:32.6	-19:04:02	300	90	3.0	#152 ChaMPlane	2	x10
0195-0203.BIAS	0	11:52	18:10:32.6	-19:04:02	300	90	3.0	#152 ChaMPlane	2	
0204-0213.DARK	900	14:23	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	4	
0214-0223.DARK	900	16:56	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.test	15	21:46	18:10:32.6	-19:04:02	1200	90	3.0	#0 Calibration	2	align 1200 line grating
0002.test	15	21:47	18:10:32.6	-19:04:02	1200	90	3.0	#0 Calibration	2	
0003.test	15	21:51	18:10:32.6	-19:04:02	1200	90	3.0	#0 Calibration	4	
0004.test	15	21:53	18:10:32.6	-19:04:02	1200	90	3.0	#0 Calibration	4	
0005.test	15	21:55	18:10:32.6	-19:04:02	1200	90	3.0	#0 Calibration	4	
0006.test	15	21:56	18:10:32.6	-19:04:02	1200	90	3.0	#0 Calibration	4	
0007.test	8	22:00	18:10:32.6	-19:04:02	1200	90	3.0	#0 Calibration	4	
0008.test	8	22:01	18:10:32.6	-19:04:02	1200	90	3.0	#0 Calibration	4	
0009.test	8	22:04	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	4	
0010.test	8	22:06	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	4	
0011.DARK	900	22:09	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	4	x5
0012-0015.DARK	900	23:10	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	4	
0016.DARK	900	23:26	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	2	x5
0017-0020.DARK	900	00:27	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	2	
0021.COMP	5	01:09	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	4	wavelength test
0022.BIAS	0	01:10	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	4	x10
0023-0031.BIAS	0	01:11	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	4	
0032.FLAT	12	01:11	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	4	x10
0033-0041.FLAT	12	01:14	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	4	
0042.BIAS	0	01:15	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	2	x10

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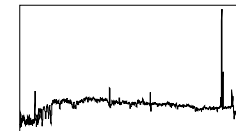
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043-0051.BIAS	0	01:16	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	2	
0052.FLAT	25	01:16	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	2	x15
0053-0066.FLAT	25	01:25	18:10:32.6	-19:04:02	300	90	3.0	#0 Calibration	2	
0067.N3377	300	03:02	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0068.COMP	5	03:07	10:45:02.6	+14:14:51	300	90	3.0	#57 Velocity S	4	
0069.Feige34	300	03:11	10:39:36.9	+43:06:11	300	30	3.0	#56 Spectropho	2	variable clouds everywhere
0070.COMP	10	03:17	10:39:36.9	+43:06:11	300	30	3.0	#56 Spectropho	2	
0071.cirs2fastb015	900	03:31	11:44:30.6	+16:09:48	300	0	3.0	#172 SDSS Clus	4	
0072.COMP	5	03:46	11:44:30.6	+16:09:48	300	0	3.0	#172 SDSS Clus	4	
0073.cirs2fastb017	1500	03:51	11:45:29.9	+15:27:51	300	0	3.0	#172 SDSS Clus	4	
0074.COMP	5	04:17	11:45:29.9	+15:27:51	300	0	3.0	#172 SDSS Clus	4	
0075.sn2007ce	1200	04:20	12:10:18.0	+48:43:32	300	0	3.0	#2 SN Observat	2	
0076.COMP	10	04:40	12:10:18.0	+48:43:32	300	0	3.0	#2 SN Observat	2	
0077.sn2007ca	1500	04:43	13:31:05.8	-15:06:07	300	0	3.0	#2 SN Observat	2	clouds clearing
0078.COMP	10	05:09	13:31:05.8	-15:06:07	300	0	3.0	#2 SN Observat	2	
0079.XS03141B7_010	1500	05:16	12:19:59.1	-00:25:50	300	0	3.0	#129 CHAMP Sou	4	
0080.COMP	5	05:41	12:19:59.1	-00:25:50	300	0	3.0	#129 CHAMP Sou	4	
0081.AGDra	2	05:45	16:01:41.0	+66:48:10	300	45	3.0	#12 Symbiotic	2	
0082.AGDra	15	05:45	16:01:41.0	+66:48:10	300	45	3.0	#12 Symbiotic	2	
0083.AGDra	45	05:46	16:01:41.0	+66:48:10	300	45	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.COMP	10	05:47	16:01:41.0	+66:48:10	300	45	3.0	#12 Symbiotic	2	
0085.sn2007cf	1800	05:51	15:23:07.7	+08:31:46	300	-30	3.0	#2 SN Observat	2	
0086.COMP	10	06:22	15:23:07.7	+08:31:46	300	-30	3.0	#2 SN Observat	2	
0087.BDp262606	45	06:23	14:49:02.4	+25:42:09	300	20	3.0	#56 Spectropho	2	
0088.COMP	10	06:24	14:49:02.4	+25:42:09	300	20	3.0	#56 Spectropho	2	
0089.Feige34	90	06:29	10:39:36.9	+43:06:11	600	90	2.0	#56 Spectropho	4	600 line
0090.COMP	10	06:31	10:39:36.9	+43:06:11	600	90	2.0	#56 Spectropho	4	
0091.bcand320	1140	06:34	14:59:25.5	+12:52:21	600	90	2.0	#166 Hyper Vel	4	
0092.COMP	10	06:54	14:59:25.5	+12:52:21	600	90	2.0	#166 Hyper Vel	4	
0093.bcand319	1080	06:55	14:54:57.6	+19:38:55	600	90	2.0	#166 Hyper Vel	4	
0094.COMP	10	07:14	14:54:57.6	+19:38:55	600	90	2.0	#166 Hyper Vel	4	
0095.bcand769	1320	07:15	14:45:13.7	+01:01:13	600	90	2.0	#166 Hyper Vel	4	
0096.COMP	10	07:37	14:45:13.7	+01:01:13	600	90	2.0	#166 Hyper Vel	4	
0097.bcand875	960	07:39	14:42:14.4	-00:16:08	600	90	2.0	#166 Hyper Vel	4	
0098.COMP	10	07:56	14:42:14.4	-00:16:08	600	90	2.0	#166 Hyper Vel	4	
0099.bcand770	960	07:58	14:47:29.4	+03:15:06	600	90	2.0	#166 Hyper Vel	4	
0100.COMP	10	08:14	14:47:29.4	+03:15:06	600	90	2.0	#166 Hyper Vel	4	
0101.bcand325	1180	08:16	15:13:21.2	+16:30:32	600	90	2.0	#166 Hyper Vel	4	
0102.COMP	10	08:36	15:13:21.2	+16:30:32	600	90	2.0	#166 Hyper Vel	4	
0103.bcand326	1500	08:37	15:16:24.0	+16:21:17	600	90	2.0	#166 Hyper Vel	4	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0104.COMP	10	09:03	15:16:24.0	+16:21:17	600	90	2.0	#166 Hyper Vel	4	
0105.bcand331	1320	09:04	15:38:08.1	+12:18:06	600	90	2.0	#166 Hyper Vel	4	
0106.COMP	10	09:27	15:38:08.1	+12:18:06	600	90	2.0	#166 Hyper Vel	4	
0107.bcand338	1500	09:29	15:47:28.2	+13:28:59	600	90	2.0	#166 Hyper Vel	4	
0108.COMP	10	09:54	15:47:28.2	+13:28:59	600	90	2.0	#166 Hyper Vel	4	
0109.bcand332	1500	09:55	15:38:29.4	+17:06:45	600	90	2.0	#166 Hyper Vel	4	
0110.COMP	10	10:21	15:38:29.4	+17:06:45	600	90	2.0	#166 Hyper Vel	4	
0111.FLAT	45	10:22	15:38:29.4	+17:06:45	600	90	2.0	#166 Hyper Vel	4	x10 flats
0112-0120.FLAT	45	10:30	15:38:29.4	+17:06:45	600	90	2.0	#166 Hyper Vel	4	
0121.test	15	10:36	19:49:30.0	+30:12:24	1200	100	2.0	#176 Be/X-ray	4	1200 line
0122.KS1947p300	1200	10:37	19:49:30.0	+30:12:24	1200	100	2.0	#176 Be/X-ray	4	
0123.COMP	20	10:58	19:49:30.0	+30:12:24	1200	100	2.0	#176 Be/X-ray	4	
0124.SAXJ21035p4545	1200	11:00	21:03:36.0	+45:45:05	1200	65	2.0	#176 Be/X-ray	4	
0125.COMP	20	11:21	21:03:36.0	+45:45:05	1200	65	2.0	#176 Be/X-ray	4	
0126.BDp174708	120	11:23	22:11:31.5	+18:05:34	1200	110	2.0	#56 Spectropho	4	
0127.BDp174708	300	11:26	22:11:31.5	+18:05:34	1200	110	2.0	#56 Spectropho	4	
0128.COMP	20	11:31	22:11:31.5	+18:05:34	1200	110	2.0	#56 Spectropho	4	
0129.FLAT	65	11:33	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	4	junk
0130.FLAT	65	11:35	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	4	x10
0131-0139.FLAT	65	11:46	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	4	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0140.BIAS	0	11:50	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	4x10	
0141-0149.BIAS	0	11:51	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	4	
0150.BIAS	0	11:51	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	2x10	
0151-0159.BIAS	0	11:53	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	2	
0160-0169.DARK	900	14:20	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	4	
0170-0179.DARK	900	16:53	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:32	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	4x5	
0002-0005.DARK	900	23:33	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	4	
0006.DARK	900	23:49	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	2x5	
0007-0010.DARK	900	00:50	22:11:31.5	+18:05:34	1200	90	2.0	#56 Spectropho	2	
0011.test	10	01:11	22:11:31.5	+18:05:34	300	90	2.0	#56 Spectropho	2	300 line
0012.test	10	01:12	22:11:31.5	+18:05:34	300	90	2.0	#56 Spectropho	4	wavelength test
0013.BIAS	0	01:25	22:11:31.5	+18:05:34	300	90	2.0	#56 Spectropho	4x10	
0014-0022.BIAS	0	01:26	22:11:31.5	+18:05:34	300	90	2.0	#56 Spectropho	4	
0023.FLAT	12	01:27	22:11:31.5	+18:05:34	300	90	2.0	#56 Spectropho	4x10	
0024-0032.FLAT	12	01:29	22:11:31.5	+18:05:34	300	90	2.0	#56 Spectropho	4	
0033.BIAS	0	01:30	22:11:31.5	+18:05:34	300	90	2.0	#56 Spectropho	2x10	
0034-0042.BIAS	0	01:32	22:11:31.5	+18:05:34	300	90	2.0	#56 Spectropho	2	
0043.FLAT	25	01:32	22:11:31.5	+18:05:34	300	90	2.0	#56 Spectropho	2x15	
0044-0057.FLAT	25	01:40	22:11:31.5	+18:05:34	300	90	2.0	#56 Spectropho	2	
0058.N3377	180	03:25	10:45:02.6	+14:14:51	300	90	2.0	#57 Velocity S	4	moderate cloud cover
0059.COMP	5	03:28	10:45:02.6	+14:14:51	300	90	2.0	#57 Velocity S	4	
0060.HD84937	10	03:30	09:48:54.9	+13:45:14	300	45	2.0	#56 Spectropho	2	Non-photometric
0061.HD84937	10	03:31	09:48:54.9	+13:45:14	300	45	2.0	#56 Spectropho	2	
0062.COMP	10	03:31	09:48:54.9	+13:45:14	300	45	2.0	#56 Spectropho	2	
0063.Feige34	90	03:33	10:39:36.9	+43:06:11	300	45	2.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.Feige34	90	03:35	10:39:36.9	+43:06:11	300	45	2.0	#56 Spectropho	2	
0065.COMP	10	03:37	10:39:36.9	+43:06:11	300	45	2.0	#56 Spectropho	2	
0066.sn2007bm	1500	03:39	11:25:02.3	-09:47:54	300	0	2.0	#2 SN Observat	2	
0067.COMP	10	04:04	11:25:02.3	-09:47:54	300	0	2.0	#2 SN Observat	2	
0068.XS04911B6_001	1500	04:52	12:32:01.0	+02:03:56	300	0	2.0	#129 CHAMP Sou	4	weak, but good enough for spectroscopic ID
0069.COMP	5	05:18	12:32:01.0	+02:03:56	300	0	2.0	#129 CHAMP Sou	4	
0070.sn2007cg	1800	05:22	13:25:33.6	-24:39:08	300	0	2.0	#2 SN Observat	2	
0071.COMP	10	05:52	13:25:33.6	-24:39:08	300	0	2.0	#2 SN Observat	2	
0072.12101831+8517541	1500	06:05	12:10:18.3	+85:17:54	300	0	2.0	#141 Mapping t	4	
0073.COMP	5	06:30	12:10:18.3	+85:17:54	300	0	2.0	#141 Mapping t	4	
0074.fmfa399	1200	06:34	15:19:49.6	+07:48:46	300	0	2.0	#171 Local Uni	4	
0075.COMP	5	06:54	15:19:49.6	+07:48:46	300	0	2.0	#171 Local Uni	4	
0076.XS04163B2_004	1500	07:03	14:15:23.6	+36:09:36	300	0	2.0	#129 CHAMP Sou	4	clouds worse; junk
0077.COMP	5	07:28	14:15:23.6	+36:09:36	300	0	2.0	#129 CHAMP Sou	4	
0078.fmfa402	1320	07:33	15:20:17.7	+07:44:04	300	0	2.0	#171 Local Uni	4	
0079.COMP	5	07:56	15:20:17.7	+07:44:04	300	0	2.0	#171 Local Uni	4	
0080.sn2007bj	1500	07:59	16:22:10.6	-01:30:51	300	0	2.0	#2 SN Observat	2	clouds thinning
0081.COMP	10	08:25	16:22:10.6	-01:30:51	300	0	2.0	#2 SN Observat	2	
0082.fmfa400	900	08:27	15:19:54.0	+07:27:35	300	0	2.0	#171 Local Uni	4	
0083.COMP	5	08:42	15:19:54.0	+07:27:35	300	0	2.0	#171 Local Uni	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.fmfa401	900	08:43	15:20:13.8	+07:23:14	300	0	2.0	#171 Local Uni	4	
0085.COMP	5	08:59	15:20:13.8	+07:23:14	300	0	2.0	#171 Local Uni	4	
0086.fmfa403	690	09:00	15:20:22.4	+07:33:56	300	0	2.0	#171 Local Uni	4	
0087.COMP	5	09:12	15:20:22.4	+07:33:56	300	0	2.0	#171 Local Uni	4	
0088.U19482086	300	09:16	17:52:02.6	-29:35:53	300	0	2.0	#152 ChaMPlane	4	
0089.COMP	5	09:21	17:52:02.6	-29:35:53	300	0	2.0	#152 ChaMPlane	4	
0090.sc04_079400	300	09:22	17:54:05.3	-29:47:16	300	0	2.0	#152 ChaMPlane	4	row 45
0091.COMP	5	09:27	17:54:05.3	-29:47:16	300	0	2.0	#152 ChaMPlane	4	
0092.sc04_065565	360	09:29	17:54:07.2	-29:50:51	300	0	2.0	#152 ChaMPlane	4	row 44, a little faint
0093.COMP	5	09:35	17:54:07.2	-29:50:51	300	0	2.0	#152 ChaMPlane	4	
0094.sc04_065565	1200	09:36	17:54:07.2	-29:50:51	300	0	2.0	#152 ChaMPlane	4	second try
0095.COMP	5	09:56	17:54:07.2	-29:50:51	300	0	2.0	#152 ChaMPlane	4	
0096.sc04_079312	540	09:57	17:54:10.4	-29:50:22	300	0	2.0	#152 ChaMPlane	4	row 44
0097.COMP	5	10:07	17:54:10.4	-29:50:22	300	0	2.0	#152 ChaMPlane	4	
0098.sc04_079471	360	10:09	17:54:17.9	-29:48:45	300	0	2.0	#152 ChaMPlane	4	row 44
0099.COMP	5	10:15	17:54:17.9	-29:48:45	300	0	2.0	#152 ChaMPlane	4	
0100.U19484265	60	10:16	17:54:23.3	-29:51:07	300	0	2.0	#152 ChaMPlane	4	
0101.COMP	5	10:17	17:54:23.3	-29:51:07	300	0	2.0	#152 ChaMPlane	4	
0102.U19484387	60	10:18	17:54:31.2	-29:47:09	300	0	2.0	#152 ChaMPlane	4	
0103.COMP	5	10:20	17:54:31.2	-29:47:09	300	0	2.0	#152 ChaMPlane	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0104.sc04.267355	720	10:23	17:54:34.1	-29:52:59	300	0	2.0	#152 ChaMPlane	4	row 44
0105.COMP	5	10:35	17:54:34.1	-29:52:59	300	0	2.0	#152 ChaMPlane	4	
0106.sc04.462086	330	10:39	17:54:40.2	-29:50:56	300	0	2.0	#152 ChaMPlane	4	
0107.COMP	5	10:45	17:54:40.2	-29:50:56	300	0	2.0	#152 ChaMPlane	4	
0108.sc04.475035	270	10:47	17:54:41.8	-29:48:37	300	0	2.0	#152 ChaMPlane	4	
0109.COMP	5	10:52	17:54:41.8	-29:48:37	300	0	2.0	#152 ChaMPlane	4	
0110.fmfa430	900	10:55	16:04:05.7	+24:35:02	300	90	2.0	#171 Local Uni	4	
0111.COMP	5	11:10	16:04:05.7	+24:35:02	300	90	2.0	#171 Local Uni	4	
0112.fmfa429	900	11:12	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	4	
0113.COMP	5	11:27	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	4	
0114.BIAS	0	11:28	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	4	x10
0115-0123.BIAS	0	11:30	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	4	
0124.FLAT	12	11:30	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	4	x5
0125-0128.FLAT	12	11:31	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	4	
0129.BIAS	0	11:32	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	2	x10
0130-0138.BIAS	0	11:33	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	2	
0139.FLAT	25	11:34	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	2	x5
0140-0143.FLAT	25	11:37	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	2	
0144-0153.DARK	900	14:09	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	4	
0154-0163.DARK	900	16:42	16:03:40.5	+24:36:10	300	90	2.0	#171 Local Uni	2	

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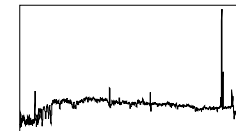
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:59	09:59:01.0	+31:31:51	300	90	3.0	#171 Local Uni	2	
0011-0025.FLAT	25	02:09	09:59:01.0	+31:31:51	300	90	3.0	#171 Local Uni	2	
0027.sky	10	02:33	10:35:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	thin clouds
0028-0031.sky	10	02:35	10:35:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0032.COMP	10	02:36	10:35:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0033.HD84937	20	02:53	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0034.HD84937	20	02:53	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0035.HD84937	20	02:54	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0036.COMP	10	02:55	09:48:54.9	+13:45:14	300	90	3.0	#56 Spectropho	2	
0037.HD84937	20	02:56	09:48:54.9	+13:45:14	300	41	3.0	#56 Spectropho	2	
0038.HD84937	20	02:57	09:48:54.9	+13:45:14	300	41	3.0	#56 Spectropho	2	
0039.HD84937	20	02:57	09:48:54.9	+13:45:14	300	41	3.0	#56 Spectropho	2	
0040.COMP	10	02:58	09:48:54.9	+13:45:14	300	41	3.0	#56 Spectropho	2	
0041.N3379	120	02:59	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	2	
0042.COMP	10	03:02	10:45:11.4	+12:50:48	300	90	3.0	#56 Spectropho	2	
0043.Feige34	180	03:03	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0044.Feige34	180	03:07	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0045.COMP	10	03:10	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	
0046.4dlxffast011	728	03:12	08:09:40.3	+57:53:04	300	90	3.0	#172 SDSS Clus	2	
0047.4dlxffast012	665	03:25	08:10:27.7	+56:46:29	300	100	3.0	#172 SDSS Clus	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.COMP	10	03:37	08:10:27.7	+56:46:29	300	100	3.0	#172 SDSS Clus	2	comp for files 46 and 47
0049.4dlxfast095	600	03:38	08:35:49.6	+58:11:09	300	100	3.0	#172 SDSS Clus	2	
0050.COMP	10	03:48	08:35:49.6	+58:11:09	300	100	3.0	#2 SN Observat	2	
0051.sn2007ce	1800	04:14	12:10:18.0	+48:43:32	300	5	3.0	#2 SN Observat	2	
0052.COMP	10	04:44	12:10:18.0	+48:43:32	300	5	3.0	#2 SN Observat	2	
0053.cirs2fastb016	726	04:47	11:45:25.2	+15:30:26	300	0	3.0	#172 SDSS Clus	2	
0054.COMP	10	04:59	11:45:25.2	+15:30:26	300	0	3.0	#2 SN Observat	2	
0055.sn2007cg	1800	05:01	13:25:33.6	-24:39:08	300	0	3.0	#2 SN Observat	2	
0056.COMP	10	05:32	13:25:33.6	-24:39:08	300	0	3.0	#2 SN Observat	2	
0057.cirs2fastb018	900	05:38	11:46:28.8	+16:08:13	300	90	3.0	#172 SDSS Clus	2	
0058.COMP	10	05:54	11:46:28.8	+16:08:13	300	90	3.0	#172 SDSS Clus	2	
0059.cirs2fastb019	720	05:55	11:46:38.5	+16:06:00	300	90	3.0	#172 SDSS Clus	2	
0060.COMP	10	06:07	11:46:38.5	+16:06:00	300	90	3.0	#172 SDSS Clus	2	
0061.sn2007af	1500	06:10	14:22:21.0	-00:23:38	300	5	3.0	#2 SN Observat	2	
0062.COMP	10	06:36	14:22:21.0	-00:23:38	300	5	3.0	#2 SN Observat	2	
0063.cirs2fastb031	480	06:38	13:12:17.1	+38:32:25	300	5	3.0	#172 SDSS Clus	2	
0064.COMP	10	06:46	13:12:17.1	+38:32:25	300	5	3.0	#172 SDSS Clus	2	
0065.cirs2fastb032	600	06:48	13:13:28.3	+38:55:52	300	5	3.0	#172 SDSS Clus	2	
0066.COMP	10	06:58	13:13:28.3	+38:55:52	300	5	3.0	#172 SDSS Clus	2	
0067.cirs2fastb033	600	06:59	13:13:45.2	+38:48:24	300	5	3.0	#172 SDSS Clus	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	10	07:09	13:13:45.2	+38:48:24	300	5	3.0	#172 SDSS Clus	2	
0069.cirs2fastb034	360	07:10	13:13:49.7	+38:53:40	300	5	3.0	#172 SDSS Clus	2	
0070.COMP	10	07:17	13:13:49.7	+38:53:40	300	5	3.0	#148 Accretion	2	
0071.GWLib	480	07:19	15:19:55.5	-25:00:25	300	5	3.0	#148 Accretion	2	
0072.COMP	10	07:27	15:19:55.5	-25:00:25	300	5	3.0	#148 Accretion	2	
0073.sn2007ch	1800	07:30	15:49:47.8	-29:23:14	300	5	3.0	#2 SN Observat	2	
0074.COMP	10	08:01	15:49:47.8	-29:23:14	300	5	3.0	#2 SN Observat	2	
0075.cirs2fastb035	420	08:03	13:14:00.4	+38:49:09	300	5	3.0	#172 SDSS Clus	2	
0076.COMP	10	08:11	13:14:00.4	+38:49:09	300	5	3.0	#172 SDSS Clus	2	
0077.cirs2fastb036	900	08:12	13:14:10.0	+39:08:45	300	5	3.0	#172 SDSS Clus	2	
0078.COMP	10	08:27	13:14:10.0	+39:08:45	300	5	3.0	#172 SDSS Clus	2	
0079.14233608+2603431	540	08:29	14:23:36.1	+26:03:43	300	5	3.0	#141 Mapping t	2	
0080.COMP	10	08:38	14:23:36.1	+26:03:43	300	5	3.0	#141 Mapping t	2	
0081.14420263+2830423	480	08:39	14:42:02.6	+28:30:42	300	5	3.0	#141 Mapping t	2	
0082.COMP	10	08:47	14:42:02.6	+28:30:42	300	5	3.0	#141 Mapping t	2	
0083.15101665+0653320	420	08:49	15:10:16.7	+06:53:32	300	0	3.0	#141 Mapping t	2	
0084.COMP	10	08:57	15:10:16.7	+06:53:32	300	0	3.0	#141 Mapping t	2	
0085.15132614+0539411	420	08:58	15:13:26.1	+05:39:41	300	0	3.0	#141 Mapping t	2	
0086.COMP	10	09:05	15:13:26.1	+05:39:41	300	0	3.0	#141 Mapping t	2	
0087.15142040+0817193	420	09:06	15:14:20.4	+08:17:19	300	0	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	10	09:13	15:14:20.4	+08:17:19	300	0	3.0	#141 Mapping t	2	
0089.15144933+1017035	900	09:15	15:14:49.3	+10:17:03	300	0	3.0	#141 Mapping t	2	
0090.COMP	10	09:30	15:14:49.3	+10:17:03	300	0	3.0	#141 Mapping t	2	stopped by clouds
0091.15145170+1015305	606	09:41	15:14:51.7	+10:15:30	300	0	3.0	#141 Mapping t	2	
0092.COMP	10	09:52	15:14:51.7	+10:15:30	300	0	3.0	#141 Mapping t	2	
0093.U19484574	120	09:53	17:54:42.7	-29:43:48	300	0	3.0	#152 ChaMPlane	2	
0094.COMP	10	09:56	17:54:42.7	-29:43:48	300	0	3.0	#152 ChaMPlane	2	
0095.U19484638	241	09:57	17:54:45.9	-29:41:10	300	0	3.0	#152 ChaMPlane	2	
0096.COMP	10	10:01	17:54:45.9	-29:41:10	300	0	3.0	#152 ChaMPlane	2	
0097.U19484776	300	10:03	17:54:53.3	-29:53:53	300	0	3.0	#152 ChaMPlane	2	
0098.COMP	10	10:08	17:54:53.3	-29:53:53	300	0	3.0	#152 ChaMPlane	2	
0099.sc01_640256	480	10:09	18:02:58.0	-29:57:25	300	0	3.0	#152 ChaMPlane	2	
0100.COMP	10	10:18	18:02:58.0	-29:57:25	300	0	3.0	#152 ChaMPlane	2	
0101.sc01_652397	900	10:20	18:02:58.5	-29:52:39	300	0	3.0	#152 ChaMPlane	2	redo. more clouds
0102.COMP	10	10:35	18:02:58.5	-29:52:39	300	0	3.0	#152 ChaMPlane	2	
0103.56_126090	330	10:37	18:25:59.2	-13:35:25	300	8	3.0	#152 ChaMPlane	2	
0104.COMP	10	10:43	18:25:59.2	-13:35:25	300	8	3.0	#152 ChaMPlane	2	
0105.56_145640	272	10:45	18:26:09.1	-13:34:48	300	8	3.0	#152 ChaMPlane	2	
0106.COMP	10	10:50	18:26:09.1	-13:34:48	300	8	3.0	#152 ChaMPlane	2	
0107.56_185104	720	10:52	18:26:28.4	-13:37:44	300	12	3.0	#152 ChaMPlane	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0108.COMP	10	11:04	18:26:28.4	-13:37:44	300	12	3.0	#152 ChaMPlane	2	
0109.56_135911	900	11:06	18:26:04.3	-13:33:06	300	16	3.0	#152 ChaMPlane	2	
0110.COMP	10	11:21	18:26:04.3	-13:33:06	300	16	3.0	#141 Mapping t	2	
0111.17574149+0305162	210	11:23	17:57:41.5	+03:05:16	300	90	3.0	#141 Mapping t	2	
0112.COMP	10	11:27	17:57:41.5	+03:05:16	300	90	3.0	#141 Mapping t	2	
0113.17562541+0801360	271	11:28	17:56:25.4	+08:01:36	300	90	3.0	#141 Mapping t	2	
0114.COMP	10	11:32	17:56:25.4	+08:01:36	300	90	3.0	#141 Mapping t	2	
0115.17544095+1426395	240	11:33	17:54:40.9	+14:26:39	300	90	3.0	#141 Mapping t	2	
0116.COMP	10	11:38	17:54:40.9	+14:26:39	300	90	3.0	#141 Mapping t	2	
0117-0126.BIAS	0	11:42	17:54:40.9	+14:26:39	300	90	3.0	#171 Local Uni	2	
0127-0141.FLAT	25	11:51	17:54:40.9	+14:26:39	300	90	3.0	#171 Local Uni	2	
0142-0151.DARK	900	14:18	17:54:40.9	+14:26:39	300	90	3.0	#171 Local Uni	2	

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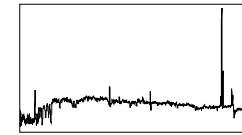
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0005.DARK	900	00:33	07:38:44.6	+31:30:43	300	90	3.0	#171 Local Uni	2	
0006-0015.BIAS	0	01:32	07:38:44.6	+31:30:43	300	90	3.0	#171 Local Uni	2	
0016-0030.FLAT	25	01:41	07:38:44.6	+31:30:43	300	90	3.0	#171 Local Uni	2	
0031.sky	3	02:23	10:35:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	clear
0032-0035.sky	3	02:24	10:35:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0036.COMP	10	02:25	10:35:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0037.HD84937	20	03:03	09:48:54.9	+13:45:14	300	45	3.0	#56 Spectropho	2	
0038.HD84937	20	03:04	09:48:54.9	+13:45:14	300	45	3.0	#56 Spectropho	2	
0039.HD84937	20	03:04	09:48:54.9	+13:45:14	300	45	3.0	#56 Spectropho	2	
0040.COMP	10	03:05	09:48:54.9	+13:45:14	300	45	3.0	#56 Spectropho	2	
0041.N3379	120	03:07	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	2	
0042.COMP	10	03:09	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	2	
0043.Feige34	180	03:11	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0044.Feige34	180	03:14	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0045.COMP	10	03:17	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	
0046.cirs2fastf022SE	302	03:19	09:19:54.2	+32:56:03	300	60	3.0	#172 SDSS Clus	2	SE comp of close pair of galaxies
0047.cirs2fastf022NW	254	03:25	09:19:54.2	+32:56:03	300	60	3.0	#172 SDSS Clus	2	NW gal
0048.COMP	10	03:29	09:19:54.2	+32:56:03	300	60	3.0	#172 SDSS Clus	2	
0049.4dlxfast020	900	03:31	08:13:56.7	+41:57:35	300	90	3.0	#172 SDSS Clus	2	
0050.COMP	10	03:47	08:13:56.7	+41:57:35	300	90	3.0	#172 SDSS Clus	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0051.4dlxffast096	330	03:48	08:36:56.8	+55:40:38	300	90	3.0	#172 SDSS Clus	2	
0052.COMP	10	03:54	08:36:56.8	+55:40:38	300	90	3.0	#172 SDSS Clus	2	
0053.4dlxffast098	720	03:55	10:04:53.0	+54:33:55	300	90	3.0	#172 SDSS Clus	2	also observed 3.18.07
0054.COMP	10	04:07	10:04:53.0	+54:33:55	300	90	3.0	#2 SN Observat	2	target is fainter comp to a brighter gal
0055.sn2007bc	1800	04:10	11:19:14.6	+20:48:33	300	45	3.0	#2 SN Observat	2	slit off PA to avoid gal, ok
0056.COMP	10	04:41	11:19:14.6	+20:48:33	300	45	3.0	#2 SN Observat	2	
0057.12101831+8517541	900	04:45	12:10:18.3	+85:17:54	300	90	3.0	#141 Mapping t	2	ok, done this time
0058.COMP	10	05:00	12:10:18.3	+85:17:54	300	90	3.0	#141 Mapping t	2	
0059.12470849+8747151	900	05:06	12:47:08.5	+87:47:15	300	90	3.0	#141 Mapping t	2	
0060.COMP	10	05:21	12:47:08.5	+87:47:15	300	90	3.0	#141 Mapping t	2	
0061.N4151	30	05:24	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	N to S interlude
0062.N4151	30	05:25	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0063.N4151	120	05:26	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0064.COMP	10	05:28	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0065.sn2007cg	1500	05:32	13:25:33.6	-24:39:08	300	10	3.0	#2 SN Observat	2	
0066.COMP	10	05:58	13:25:33.6	-24:39:08	300	10	3.0	#2 SN Observat	2	
0067.sn2007ca	1500	06:01	13:31:05.8	-15:06:07	300	15	3.0	#2 SN Observat	2	some clouds moving in
0068.COMP	10	06:26	13:31:05.8	-15:06:07	300	15	3.0	#2 SN Observat	2	
0069.14502202-2416455	1200	06:28	14:50:22.0	-24:16:46	300	15	3.0	#141 Mapping t	2	scruffy, redo from 4.24.07
0070.COMP	10	06:49	14:50:22.0	-24:16:46	300	15	3.0	#141 Mapping t	2	

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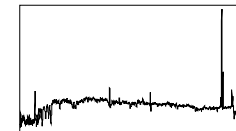
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0071.15055376-2226237	722	06:50	15:05:53.8	-22:26:24	300	15	3.0	#141 Mapping t	2	not scruffy
0072.COMP	10	07:02	15:05:53.8	-22:26:24	300	15	3.0	#141 Mapping t	2	
0073.15222395-1925079	600	07:03	15:22:23.9	-19:25:08	300	15	3.0	#141 Mapping t	2	
0074.COMP	10	07:13	15:22:23.9	-19:25:08	300	15	3.0	#141 Mapping t	2	
0075.15360090-1612585	600	07:14	15:36:00.9	-16:12:58	300	15	3.0	#141 Mapping t	2	
0076.COMP	10	07:25	15:36:00.9	-16:12:58	300	15	3.0	#141 Mapping t	2	
0077.15522669-2144368	727	07:26	15:52:26.7	-21:44:37	300	15	3.0	#141 Mapping t	2	
0078.COMP	10	07:39	15:52:26.7	-21:44:37	300	15	3.0	#141 Mapping t	2	
0079.16031663-2129279	1200	07:40	16:03:16.6	-21:29:28	300	15	3.0	#141 Mapping t	2	
0080.COMP	10	08:00	16:03:16.6	-21:29:28	300	15	3.0	#141 Mapping t	2	
0081.16043978-2313206	545	08:01	16:04:39.8	-23:13:21	300	15	3.0	#141 Mapping t	2	
0082.COMP	10	08:11	16:04:39.8	-23:13:21	300	15	3.0	#141 Mapping t	2	
0083.16342463-1712256	540	08:12	16:34:24.6	-17:12:26	300	15	3.0	#141 Mapping t	2	
0084.COMP	10	08:21	16:34:24.6	-17:12:26	300	15	3.0	#141 Mapping t	2	
0085.16381534-2119406	1320	08:23	16:38:15.3	-21:19:41	300	15	3.0	#141 Mapping t	2	good em lines, H-alpha at pix 2255, see 2d image
0086.COMP	10	08:45	16:38:15.3	-21:19:41	300	15	3.0	#141 Mapping t	2	
0087.16535677-1617227	900	08:47	16:53:56.8	-16:17:23	300	25	3.0	#141 Mapping t	2	
0088.COMP	10	09:03	16:53:56.8	-16:17:23	300	25	3.0	#141 Mapping t	2	
0089.AS210	30	09:05	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0090.AS210	5	09:06	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.AS210	240	09:07	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0092.COMP	10	09:11	16:51:20.3	-26:00:33	300	0	3.0	#141 Mapping t	2	
0093.17112442-2452438	1200	09:12	17:11:24.4	-24:52:44	300	0	3.0	#141 Mapping t	2	
0094.COMP	10	09:33	17:11:24.4	-24:52:44	300	0	3.0	#152 ChaMPlane	2	
0095.sc04_462328	900	09:35	17:54:46.7	-29:52:34	300	0	3.0	#152 ChaMPlane	2	
0096.COMP	10	09:50	17:54:46.7	-29:52:34	300	0	3.0	#152 ChaMPlane	2	
0097.sc04_661002	720	09:53	17:54:53.7	-29:49:34	300	0	3.0	#152 ChaMPlane	2	
0098.COMP	10	10:05	17:54:53.7	-29:49:34	300	0	3.0	#152 ChaMPlane	2	
0099.U19490325	60	10:06	18:03:07.3	-29:57:27	300	0	3.0	#152 ChaMPlane	2	
0100.COMP	10	10:07	18:03:07.3	-29:57:27	300	0	3.0	#152 ChaMPlane	2	
0101.U19237243	300	10:09	18:03:32.9	-30:00:32	300	0	3.0	#152 ChaMPlane	2	
0102.COMP	10	10:14	18:03:32.9	-30:00:32	300	0	3.0	#152 ChaMPlane	2	
0103.U19490660	300	10:15	18:03:35.2	-29:53:30	300	0	3.0	#152 ChaMPlane	2	
0104.COMP	10	10:20	18:03:35.2	-29:53:30	300	0	3.0	#152 ChaMPlane	2	
0105.U19490763	60	10:21	18:03:42.9	-29:56:07	300	0	3.0	#152 ChaMPlane	2	
0106.COMP	10	10:22	18:03:42.9	-29:56:07	300	0	3.0	#152 ChaMPlane	2	
0107.U19490806	330	10:23	18:03:46.3	-29:54:27	300	0	3.0	#152 ChaMPlane	2	
0108.COMP	10	10:29	18:03:46.3	-29:54:27	300	0	3.0	#152 ChaMPlane	2	
0109.AS296	5	10:31	18:15:07.0	-00:18:52	300	0	3.0	#12 Symbiotic	2	
0110.AS296	30	10:31	18:15:07.0	-00:18:52	300	0	3.0	#12 Symbiotic	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0111.AS296	120	10:32	18:15:07.0	-00:18:52	300	0	3.0	#12 Symbiotic	2	
0112.COMP	10	10:34	18:15:07.0	-00:18:52	300	0	3.0	#152 ChaMPlane	2	
0113.XS05449B7_008	600	10:37	19:08:34.3	+00:11:41	300	0	3.0	#152 ChaMPlane	2	
0114.COMP	10	10:47	19:08:34.3	+00:11:41	300	0	3.0	#152 ChaMPlane	2	
0115.XS05449B7_001	900	10:48	19:08:34.1	+00:11:39	300	0	3.0	#152 ChaMPlane	2	
0116.COMP	10	11:04	19:08:34.1	+00:11:39	300	0	3.0	#152 ChaMPlane	2	
0117.AS338	30	11:07	19:03:47.0	+16:26:17	300	0	3.0	#12 Symbiotic	2	
0118.AS338	120	11:08	19:03:47.0	+16:26:17	300	0	3.0	#12 Symbiotic	2	
0119.COMP	10	11:10	19:03:47.0	+16:26:17	300	0	3.0	#12 Symbiotic	2	
0121.AGDra	2	11:13	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0122.AGDra	5	11:14	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0123.AGDra	30	11:14	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0124.COMP	10	11:15	16:01:41.0	+66:48:10	300	90	3.0	#176 Be/X-ray	2	
0125.SAXJ21035p4545	180	11:17	21:03:36.0	+45:45:05	300	90	3.0	#176 Be/X-ray	2	test exposure
0126.COMP	10	11:20	21:03:36.0	+45:45:05	300	90	3.0	#176 Be/X-ray	2	
0127.4U2204p543	90	11:22	22:07:57.0	+54:31:06	300	90	3.0	#176 Be/X-ray	2	test exposure
0128.COMP	10	11:24	22:07:57.0	+54:31:06	300	90	3.0	#176 Be/X-ray	2	
0129.BDp284211	90	11:26	21:51:11.1	+28:51:53	300	100	3.0	#56 Spectropho	2	
0130.BDp284211	90	11:28	21:51:11.1	+28:51:53	300	100	3.0	#56 Spectropho	2	
0131.COMP	10	11:29	21:51:11.1	+28:51:53	300	100	3.0	#56 Spectropho	2	

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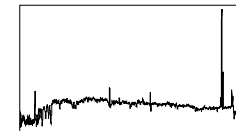
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0132-0141.BIAS	0	11:33	21:51:11.1	+28:51:53	300	90	3.0	#141 Mapping t	2	
0142-0156.FLAT	25	11:43	21:51:11.1	+28:51:53	300	90	3.0	#141 Mapping t	2	
0157-0161.DARK	900	12:52	21:51:11.1	+28:51:53	300	90	3.0	#141 Mapping t	2	

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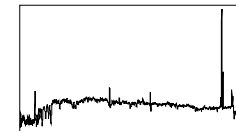
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001.BIAS	0	02:11	10:14:11.6	+31:31:57	300	90	3.0	#141 Mapping t	2	
0001.COMP	10	02:02	10:14:11.6	+31:31:57	300	90	3.0	#141 Mapping t	2	
0002-0010.BIAS	0	02:13	10:14:11.6	+31:31:57	300	90	3.0	#141 Mapping t	2	
0011-0025.FLAT	25	02:22	10:14:11.6	+31:31:57	300	90	3.0	#141 Mapping t	2	
0026.DARK	900	02:35	10:14:11.6	+31:31:57	300	90	3.0	#141 Mapping t	2	
0027.HD84937	20	03:01	09:48:54.9	+13:45:14	300	45	3.0	#56 Spectropho	2	clearing after sunset
0028.HD84937	20	03:02	09:48:54.9	+13:45:14	300	45	3.0	#56 Spectropho	2	
0029.HD84937	20	03:02	09:48:54.9	+13:45:14	300	45	3.0	#56 Spectropho	2	
0030.COMP	10	03:03	09:48:54.9	+13:45:14	300	45	3.0	#56 Spectropho	2	
0031.N3379	120	03:05	10:45:11.4	+12:50:48	300	90	3.0	#57 Velocity S	2	
0032.COMP	10	03:07	10:45:11.4	+12:50:48	300	90	3.0	#12 Symbiotic	2	
0033.TXCVn	30	03:08	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0034.TXCVn	30	03:09	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0035.COMP	10	03:10	12:44:42.0	+36:45:48	300	90	3.0	#56 Spectropho	2	
0036.Feige34	180	03:11	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0037.Feige34	180	03:15	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0038.COMP	10	03:18	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	
0039.4dlxfast097	600	03:19	08:38:54.5	+57:08:34	300	90	3.0	#172 SDSS Clus	2	
0040.COMP	10	03:30	08:38:54.5	+57:08:34	300	90	3.0	#172 SDSS Clus	2	
0041.4dlxfast094	720	03:31	08:35:17.5	+57:09:34	300	90	3.0	#172 SDSS Clus	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0042.COMP	10	03:43	08:35:17.5	+57:09:34	300	90	3.0	#172 SDSS Clus	2	
0043.sn2007bm	1200	03:47	11:25:02.3	-09:47:54	300	15	3.0	#2 SN Observat	2	
0044.COMP	10	04:08	11:25:02.3	-09:47:54	300	15	3.0	#2 SN Observat	2	
0045.sn2007ce	1374	04:14	12:10:18.0	+48:43:32	300	-15	3.0	#2 SN Observat	2	stopped short by clouds, now forming overhead
0046.COMP	10	04:37	12:10:18.0	+48:43:32	300	-15	3.0	#2 SN Observat	2	
0047.cirrfastf106	514	04:48	13:29:22.2	+13:52:19	300	90	3.0	#172 SDSS Clus	2	
0048.COMP	10	04:57	13:29:22.2	+13:52:19	300	90	3.0	#172 SDSS Clus	2	
0049.cirrfastf107	180	04:58	14:35:44.4	+04:59:35	300	90	3.0	#172 SDSS Clus	2	clearing
0050.COMP	10	05:02	14:35:44.4	+04:59:35	300	90	3.0	#172 SDSS Clus	2	
0051.cirrfastf108	240	05:02	14:36:11.0	+03:21:15	300	90	3.0	#172 SDSS Clus	2	
0052.COMP	10	05:07	14:36:11.0	+03:21:15	300	90	3.0	#172 SDSS Clus	2	
0053.cirrfastf109	180	05:08	14:37:37.5	+05:20:48	300	90	3.0	#172 SDSS Clus	2	
0054.COMP	10	05:11	14:37:37.5	+05:20:48	300	90	3.0	#172 SDSS Clus	2	
0055.cirrfastf110NS	660	05:13	14:44:29.2	+04:44:41	300	42	3.0	#172 SDSS Clus	2	2 galaxies, brighter SW comp at row 78, NE comp at row 69
0056.COMP	10	05:25	14:44:29.2	+04:44:41	300	42	3.0	#172 SDSS Clus	2	
0057.RWHya	2	05:26	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0058.RWHya	10	05:27	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0059.RWHya	30	05:27	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0060.COMP	10	05:28	13:34:18.0	-25:22:51	300	0	3.0	#2 SN Observat	2	
0061.sn2007af	1500	05:31	14:22:21.0	-00:23:38	300	-8	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.COMP	10	05:57	14:22:21.0	-00:23:38	300	-8	3.0	#12 Symbiotic	2	
0063.TCrB	15	05:58	15:59:30.0	+25:55:12	300	0	3.0	#12 Symbiotic	2	
0064.TCrB	45	05:59	15:59:30.0	+25:55:12	300	0	3.0	#12 Symbiotic	2	
0065.COMP	10	06:00	15:59:30.0	+25:55:12	300	0	3.0	#12 Symbiotic	2	
0068.test	30	06:11	15:52:00.0	+32:56:54	1200	0	1.0	#148 Accretion	2	1200-line, 1.5-sec slit, tilt 210, Steeghs
0069-0073.FLAT	180	06:26	15:52:00.0	+32:56:54	1200	0	1.0	#148 Accretion	2	
0074.BDp332642	90	06:30	15:52:00.0	+32:56:54	1200	0	1.0	#148 Accretion	2	
0075.BDp332642	90	06:32	15:52:00.0	+32:56:54	1200	0	1.0	#148 Accretion	2	
0076.COMP	30	06:34	15:52:00.0	+32:56:54	1200	0	1.0	#148 Accretion	2	
0077.COMP	30	06:37	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0078.GWLib	300	06:38	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0079.GWLib	300	06:43	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0080.COMP	30	06:48	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0081.GWLib	300	06:49	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	shoot, now clouds forming overhead
0082.GWLib	300	06:54	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0083.COMP	30	07:00	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0084.GWLib	300	07:04	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0085.GWLib	300	07:09	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0086.COMP	30	07:15	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0087.GWLib	300	07:16	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	

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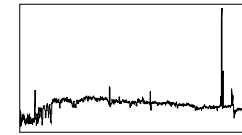
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0088.GWLib	300	07:21	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0089.COMP	30	07:26	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0090.GWLib	300	07:27	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0091.GWLib	300	07:32	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0092.COMP	30	07:38	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0093.GWLib	300	07:39	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	variable clouds
0094.GWLib	300	07:44	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0095.COMP	30	07:49	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0096.GWLib	300	07:50	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0097.GWLib	300	07:55	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0098.COMP	30	08:01	15:19:55.5	-25:00:25	1200	0	1.0	#148 Accretion	2	
0099.GWLib	300	08:04	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0100.GWLib	300	08:09	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0101.COMP	30	08:15	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0102.GWLib	300	08:16	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0103.GWLib	300	08:21	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0104.COMP	30	08:26	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0105.GWLib	300	08:27	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0106.GWLib	300	08:33	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0107.COMP	30	08:38	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	

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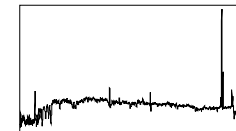
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0108.GWLib	300	08:39	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0109.GWLib	300	08:44	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	clear, but now seeing is worse
0110.COMP	30	08:49	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0111.GWLib	300	08:50	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0112.GWLib	300	08:56	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0113.COMP	30	09:01	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0114.GWLib	300	09:02	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0115.GWLib	300	09:07	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0116.COMP	30	09:12	15:19:55.5	-25:00:25	1200	20	1.0	#148 Accretion	2	
0117.test	10	09:17	17:30:00.0	+30:00:00	300	0	3.0	#148 Accretion	2	
0118.test	10	09:18	17:30:00.0	+30:00:00	300	0	3.0	#148 Accretion	2	300-line, 3-sec, combo
0119.Hen1341	10	09:21	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0120.Hen1341	60	09:22	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0121.Hen1341	180	09:24	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0122.COMP	10	09:27	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0123.RSOph	5	09:29	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0124.RSOph	20	09:29	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0125.RSOph	60	09:30	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0126.RSOph	120	09:31	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0127.COMP	10	09:34	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0128.XX0ph	1	09:35	17:43:56.0	-06:16:08	300	0	3.0	#12 Symbiotic	2	
0129.XX0ph	4	09:35	17:43:56.0	-06:16:08	300	0	3.0	#12 Symbiotic	2	
0130.XX0ph	30	09:35	17:43:56.0	-06:16:08	300	0	3.0	#12 Symbiotic	2	
0131.COMP	10	09:36	17:43:56.0	-06:16:08	300	0	3.0	#152 ChaMPlane	2	
0132.sc45_267759	900	09:38	18:03:33.1	-29:56:58	300	0	3.0	#152 ChaMPlane	2	poor seeing
0133.COMP	10	09:53	18:03:33.1	-29:56:58	300	0	3.0	#12 Symbiotic	2	
0134.AS270	30	09:54	18:05:33.0	-20:20:37	300	0	3.0	#12 Symbiotic	2	
0135.AS270	90	09:55	18:05:33.0	-20:20:37	300	0	3.0	#12 Symbiotic	2	
0136.AS270	360	09:57	18:05:33.0	-20:20:37	300	0	3.0	#12 Symbiotic	2	
0137.COMP	10	10:03	18:05:33.0	-20:20:37	300	0	3.0	#12 Symbiotic	2	
0138.Hen1591	90	10:05	18:07:32.0	-25:53:43	300	0	3.0	#12 Symbiotic	2	
0139.Hen1591	300	10:07	18:07:32.0	-25:53:43	300	0	3.0	#12 Symbiotic	2	
0140.COMP	10	10:12	18:07:32.0	-25:53:43	300	0	3.0	#148 Accretion	2	
0141.V5558Sgr	10	10:13	18:10:18.4	-18:46:51	300	0	3.0	#148 Accretion	2	
0142.V5558Sgr	10	10:14	18:10:18.4	-18:46:51	300	0	3.0	#148 Accretion	2	
0143.V5558Sgr	2	10:14	18:10:18.4	-18:46:51	300	0	3.0	#148 Accretion	2	
0144.COMP	10	10:15	18:10:18.4	-18:46:51	300	0	3.0	#12 Symbiotic	2	
0145.AS289	30	10:16	18:12:22.0	-11:40:08	300	0	3.0	#12 Symbiotic	2	
0146.AS289	300	10:17	18:12:22.0	-11:40:08	300	0	3.0	#12 Symbiotic	2	
0147.COMP	10	10:22	18:12:22.0	-11:40:08	300	0	3.0	#12 Symbiotic	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0148.YYHer	10	10:24	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0149.YYHer	60	10:25	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0150.YYHer	240	10:26	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0151.COMP	10	10:31	18:14:34.0	+20:59:19	300	90	3.0	#141 Mapping t	2	
0152.17484340-0921027	1500	10:34	17:48:43.4	-09:21:03	300	90	3.0	#141 Mapping t	2	
0153.COMP	10	11:00	17:48:43.4	-09:21:03	300	90	3.0	#141 Mapping t	2	
0154.19173026-0217042	513	11:01	19:17:30.3	-02:17:04	300	90	3.0	#141 Mapping t	2	
0155.COMP	10	11:10	19:17:30.3	-02:17:04	300	90	3.0	#141 Mapping t	2	
0156.17570774+4345498	210	11:11	17:57:07.7	+43:45:50	300	90	3.0	#141 Mapping t	2	
0157.COMP	10	11:15	17:57:07.7	+43:45:50	300	90	3.0	#141 Mapping t	2	
0158.17574427+5729566	240	11:16	17:57:44.3	+57:29:57	300	90	3.0	#141 Mapping t	2	
0159.COMP	10	11:21	17:57:44.3	+57:29:57	300	90	3.0	#12 Symbiotic	2	
0160.CHCyg	1	11:22	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0161.CHCyg	5	11:22	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0162.CHCyg	30	11:22	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0163.COMP	10	11:23	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0164.CICyg	2	11:24	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0165.CICyg	20	11:25	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0166.CICyg	60	11:25	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0167.COMP	10	11:27	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0168.BFCyg	1	11:28	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0169.BFCyg	5	11:28	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0170.BFCyg	60	11:28	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0171.COMP	10	11:30	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0173.PUVul	10	11:31	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0174.PUVul	30	11:31	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0175.PUVul	120	11:32	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0176.COMP	10	11:35	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0177-0186.BIAS	0	11:38	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0187-0201.FLAT	25	11:48	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0202-0206.DARK	900	12:58	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	

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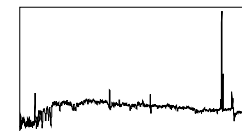
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0004.DARK	900	02:30	09:57:42.6	+31:31:51	300	90	3.0	#12 Symbiotic	4	
0005-0014.BIAS	0	02:57	09:57:42.6	+31:31:51	300	90	3.0	#12 Symbiotic	4	
0015-0024.FLAT	12	03:03	09:57:42.6	+31:31:51	300	90	3.0	#12 Symbiotic	4	
0026-0035.BIAS	0	03:17	11:30:26.5	+31:32:14	300	90	3.0	#12 Symbiotic	2	
0036-0050.FLAT	24	03:29	11:30:26.5	+31:32:14	300	90	3.0	#12 Symbiotic	2	
0051.HD84937	20	03:34	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	2	
0052.HD84937	20	03:34	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	2	
0053.HD84937	20	03:35	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	2	
0054.COMP	12	03:36	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	2	
0055.HD84937	10	03:36	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	2	
0056.HD84937	10	03:37	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	2	
0057.HD84937	10	03:37	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	2	
0058.COMP	12	03:38	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	2	
0059.HD84937	10	03:40	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	4	
0060.HD84937	10	03:40	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	4	
0061.HD84937	10	03:40	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	4	
0062.COMP	5	03:41	09:48:54.9	+13:45:14	300	52	3.0	#56 Spectropho	4	
0063.Feige34	210	03:44	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0064.COMP	12	03:49	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0065.Feige34	120	03:49	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	



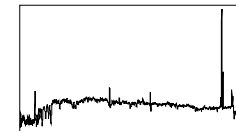
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Coll. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.COMP	12	03:53	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0067.Feige34	120	03:53	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	4	
0068.COMP	5	03:56	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	4	
0069.sn2007ci	1500	04:28	11:45:45.9	+19:46:14	300	29	3.0	#2 SN Observat	2	row=88
0070.COMP	12	04:53	11:45:45.9	+19:46:14	300	29	3.0	#2 SN Observat	2	
0071.fmf198	1800	05:05	14:53:45.4	+18:52:47	300	90	3.0	#171f Local Un	2	
0072.COMP	12	05:36	14:53:45.4	+18:52:47	300	90	3.0	#171f Local Un	2	
0073.sn2007cg	1800	05:40	13:25:33.6	-24:39:08	300	8	3.0	#2 SN Observat	2	clouds, try again
0074.COMP	12	06:11	13:25:33.6	-24:39:08	300	8	3.0	#2 SN Observat	2	
0075.sn2007ca	1500	07:15	13:31:05.8	-15:06:07	300	28	3.0	#2 SN Observat	2	
0076.COMP	12	07:40	13:31:05.8	-15:06:07	300	28	3.0	#2 SN Observat	2	
0077.fmf199	480	07:44	14:53:48.4	+18:29:18	300	80	3.0	#171f Local Un	2	
0078.COMP	12	07:52	14:53:48.4	+18:29:18	300	80	3.0	#171f Local Un	2	
0079.fmf200	900	07:55	14:53:48.7	+18:28:22	300	90	3.0	#171f Local Un	2	
0080.COMP	12	08:10	14:53:48.7	+18:28:22	300	90	3.0	#171f Local Un	2	
0081.fmf201	1500	08:11	14:53:51.6	+18:39:06	300	90	3.0	#171f Local Un	2	
0082.COMP	12	08:37	14:53:51.6	+18:39:06	300	90	3.0	#171f Local Un	2	
0083.fmf202	1020	08:38	14:54:03.7	+18:24:02	300	90	3.0	#171f Local Un	2	
0084.COMP	12	08:55	14:54:03.7	+18:24:02	300	90	3.0	#171f Local Un	2	
0085.sc04_648374	720	08:59	17:54:54.3	-29:52:11	300	90	3.0	#152 ChaMPlane	2	row=84

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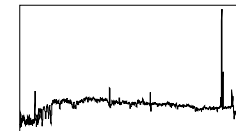
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.COMP	12	09:12	17:54:54.3	-29:52:11	300	90	3.0	#152 ChaMPlane	2	
0087.GWLib	600	09:14	15:19:55.5	-25:00:25	300	90	3.0	#148 Accretion	2	
0088.COMP	12	09:25	15:19:55.5	-25:00:25	300	90	3.0	#148 Accretion	2	
0089.sc04_673108	720	09:28	17:54:57.8	-29:45:02	300	90	3.0	#152 ChaMPlane	2	row=82
0090.COMP	12	09:40	17:54:57.8	-29:45:02	300	90	3.0	#152 ChaMPlane	2	
0091.sc04_684358	720	09:42	17:54:57.8	-29:43:35	300	90	3.0	#152 ChaMPlane	2	row=85
0092.COMP	12	09:55	17:54:57.8	-29:43:35	300	90	3.0	#152 ChaMPlane	2	
0093.sc04_648451	720	09:57	17:55:00.7	-29:51:17	300	90	3.0	#152 ChaMPlane	2	row=85
0094.COMP	12	10:09	17:55:00.7	-29:51:17	300	90	3.0	#152 ChaMPlane	2	
0095.IPHAS_B557	1020	10:14	18:51:56.3	+06:19:46	300	90	3.0	#157 IPHAS	2	
0096.COMP	12	10:32	18:51:56.3	+06:19:46	300	90	3.0	#157 IPHAS	2	
0097.IPHAS_B558	300	10:33	18:51:38.3	-02:14:26	300	90	3.0	#157 IPHAS	2	
0098.COMP	12	10:39	18:51:38.3	-02:14:26	300	90	3.0	#157 IPHAS	2	
0099.IPHAS_B566	420	10:41	18:52:45.8	-03:44:37	300	90	3.0	#157 IPHAS	2	row=86
0100.COMP	12	10:48	18:52:45.8	-03:44:37	300	90	3.0	#157 IPHAS	2	
0101.IPHAS_B568	480	10:50	18:53:45.7	-03:52:18	300	90	3.0	#157 IPHAS	2	row=83
0102.COMP	12	10:59	18:53:45.7	-03:52:18	300	90	3.0	#157 IPHAS	2	
0103.IPHAS_B569	780	11:00	18:53:18.0	-03:41:19	300	90	3.0	#157 IPHAS	2	
0104.COMP	12	11:14	18:53:18.0	-03:41:19	300	90	3.0	#157 IPHAS	2	
0105.BDp332642	70	11:34	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0106.COMP	12	11:36	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0107.BDp332642	70	11:36	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0108.COMP	12	11:38	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0109-0118.BIAS	0	11:41	15:52:00.0	+32:56:54	300	90	3.0	#2 SN Observat	4	
0119-0128.FLAT	12	11:47	15:52:00.0	+32:56:54	300	90	3.0	#2 SN Observat	4	
0129-0138.BIAS	0	11:51	15:52:00.0	+32:56:54	300	90	3.0	#2 SN Observat	2	
0139-0153.FLAT	24	11:59	15:52:00.0	+32:56:54	300	90	3.0	#2 SN Observat	2	
0154-0163.DARK	900	14:19	15:52:00.0	+32:56:54	300	90	3.0	#2 SN Observat	2	

UT Date 2007-05-19 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	01:26	15:52:00.0	+32:56:54	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	01:44	15:52:00.0	+32:56:54	300	90	3.0	#2 SN Observat	4	
0021-0030.FLAT	12	01:51	15:52:00.0	+32:56:54	300	90	3.0	#2 SN Observat	4	
0031-0040.BIAS	0	01:57	15:52:00.0	+32:56:54	300	90	3.0	#2 SN Observat	2	
0041-0060.FLAT	24	02:09	15:52:00.0	+32:56:54	300	90	3.0	#2 SN Observat	2	
0061-0065.sky	2	02:21	15:52:00.0	+32:56:54	300	90	3.0	#57 Velocity S	2	
0066.COMP	12	02:23	15:52:00.0	+32:56:54	300	90	3.0	#57 Velocity S	2	
0067.HD84937	15	03:18	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	4	
0068.HD84937	15	03:18	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	4	
0069.HD84937	15	03:19	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	4	
0070.COMP	5	03:19	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	4	
0071.HD84937	15	03:20	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0072.HD84937	15	03:21	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0073.HD84937	15	03:21	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0074.COMP	12	03:22	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0075.Feige34	120	03:25	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0076.COMP	12	03:27	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0077.Feige34	120	03:28	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	4	
0078.COMP	5	03:31	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	4	
0079.sn2007ci	1800	04:05	11:45:45.9	+19:46:14	300	-4	3.0	#2 SN Observat	2	row=87

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0080.COMP	12	04:35	11:45:45.9	+19:46:14	300	-4	3.0	#2 SN Observat	2	
0081.sn2007ce	1800	04:46	12:10:18.0	+48:43:32	300	-36	3.0	#2 SN Observat	2	
0082.COMP	12	05:16	12:10:18.0	+48:43:32	300	-36	3.0	#2 SN Observat	2	
0083.cirsfastf050	900	05:22	10:51:09.1	+10:38:27	300	90	3.0	#172 SDSS Clus	2	
0084.COMP	12	05:38	10:51:09.1	+10:38:27	300	90	3.0	#172 SDSS Clus	2	
0085.cirsfastf051	780	05:40	10:54:18.1	+12:33:00	300	90	3.0	#172 SDSS Clus	2	
0086.COMP	12	05:54	10:54:18.1	+12:33:00	300	90	3.0	#172 SDSS Clus	2	
0087.cirsfastf085	600	05:55	11:24:20.9	+01:31:13	300	90	3.0	#172 SDSS Clus	2	
0088.COMP	12	06:06	11:24:20.9	+01:31:13	300	90	3.0	#172 SDSS Clus	2	
0089.cirsfastf086	480	06:07	11:25:17.0	+02:27:01	300	90	3.0	#172 SDSS Clus	2	
0090.COMP	12	06:15	11:25:17.0	+02:27:01	300	90	3.0	#172 SDSS Clus	2	
0091.cirsfastf087	480	06:17	11:25:24.7	+01:25:12	300	100	3.0	#172 SDSS Clus	2	
0092.COMP	12	06:25	11:25:24.7	+01:25:12	300	100	3.0	#172 SDSS Clus	2	
0093.cirsfastf088	900	06:27	11:25:35.7	+01:45:01	300	90	3.0	#172 SDSS Clus	2	
0094.COMP	12	06:43	11:25:35.7	+01:45:01	300	90	3.0	#172 SDSS Clus	2	
0095.cirsfastf116	480	06:47	16:39:27.3	+38:10:11	300	90	3.0	#172 SDSS Clus	2	
0096.COMP	12	06:56	16:39:27.3	+38:10:11	300	90	3.0	#172 SDSS Clus	2	
0097.XS04823B3_003	2100	07:05	14:12:57.8	+00:07:13	300	90	3.0	#129 CHAMP Sou	2	
0098.COMP	12	07:41	14:12:57.8	+00:07:13	300	90	3.0	#129 CHAMP Sou	2	
0099.XS04822B7_018	1800	07:46	14:53:15.0	+33:53:06	300	80	3.0	#129 CHAMP Sou	2	

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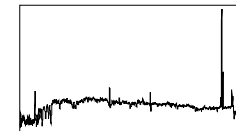
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0100.COMP	12	08:17	14:53:15.0	+33:53:06	300	80	3.0	#129 CHAMP Sou	2	
0101.XS04192B0_033	2100	08:19	14:56:31.7	+22:14:28	300	90	3.0	#129 CHAMP Sou	2	
0102.COMP	12	08:55	14:56:31.7	+22:14:28	300	90	3.0	#129 CHAMP Sou	2	
0103.sn2007bj	1500	08:59	16:22:10.6	-01:30:51	300	15	3.0	#2 SN Observat	2	
0104.COMP	12	09:25	16:22:10.6	-01:30:51	300	15	3.0	#2 SN Observat	2	
0105.sc04_648451	600	09:30	17:55:00.7	-29:51:17	300	70	3.0	#152 ChaMPlane	2	row=86
0106.COMP	12	09:41	17:55:00.7	-29:51:17	300	70	3.0	#152 ChaMPlane	2	
0107.U19484890	300	09:46	17:55:00.9	-29:42:37	300	90	3.0	#152 ChaMPlane	2	
0108.COMP	12	09:52	17:55:00.9	-29:42:37	300	90	3.0	#152 ChaMPlane	2	
0109.U19485009	45	09:53	17:55:08.8	-29:48:41	300	90	3.0	#152 ChaMPlane	2	
0110.COMP	12	09:54	17:55:08.8	-29:48:41	300	90	3.0	#152 ChaMPlane	2	
0111.U19485009	10	09:55	17:55:08.8	-29:48:41	300	90	3.0	#152 ChaMPlane	2	
0112.COMP	12	09:56	17:55:08.8	-29:48:41	300	90	3.0	#152 ChaMPlane	2	
0113.sc39_097279	600	10:04	17:55:10.4	-29:45:55	300	90	3.0	#152 ChaMPlane	2	row=86
0114.COMP	12	10:15	17:55:10.4	-29:45:55	300	90	3.0	#152 ChaMPlane	2	
0115.U19485087	45	10:16	17:55:14.0	-29:51:20	300	90	3.0	#152 ChaMPlane	2	
0116.COMP	12	10:18	17:55:14.0	-29:51:20	300	90	3.0	#152 ChaMPlane	2	
0117.cirsfastf117	300	10:22	16:41:46.1	+39:38:37	300	90	3.0	#172 SDSS Clus	2	
0118.COMP	12	10:27	16:41:46.1	+39:38:37	300	90	3.0	#172 SDSS Clus	2	
0119.cirsfastf119	480	10:30	17:01:22.8	+59:12:56	300	90	3.0	#172 SDSS Clus	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0120.COMP	12	10:39	17:01:22.8	+59:12:56	300	90	3.0	#172 SDSS Clus	2	
0121.cirsfastf118	1800	10:41	16:42:19.9	+41:12:25	300	110	3.0	#172 SDSS Clus	2	
0122.COMP	12	11:12	16:42:19.9	+41:12:25	300	110	3.0	#172 SDSS Clus	2	
0123.cirsfastf120	360	11:14	17:01:57.8	+59:34:52	300	90	3.0	#172 SDSS Clus	2	
0124.COMP	12	11:21	17:01:57.8	+59:34:52	300	90	3.0	#172 SDSS Clus	2	
0125.cirsfastf121	300	11:23	17:07:41.3	+56:58:12	300	70	3.0	#172 SDSS Clus	2	
0126.COMP	12	11:28	17:07:41.3	+56:58:12	300	70	3.0	#172 SDSS Clus	2	
0127-0136.BIAS	0	11:45	21:51:11.1	+28:51:53	300	90	3.0	#152 ChaMPlane	4	
0137-0146.FLAT	12	11:49	21:51:11.1	+28:51:53	300	90	3.0	#152 ChaMPlane	4	
0147-0156.BIAS	0	11:52	21:51:11.1	+28:51:53	300	90	3.0	#152 ChaMPlane	2	
0157-0176.FLAT	24	12:04	21:51:11.1	+28:51:53	300	90	3.0	#152 ChaMPlane	2	
0177-0186.DARK	900	14:24	21:51:11.1	+28:51:53	300	90	3.0	#152 ChaMPlane	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	02:40	21:51:11.1	+28:51:53	300	90	3.0	#152 ChaMPlane	4	
0011-0020.BIAS	0	02:57	21:51:11.1	+28:51:53	300	90	3.0	#152 ChaMPlane	4	
0021-0030.FLAT	12	03:03	21:51:11.1	+28:51:53	300	90	3.0	#152 ChaMPlane	4	
0031-0040.BIAS	0	03:22	21:51:11.1	+28:51:53	300	90	3.0	#152 ChaMPlane	2	
0041-0060.FLAT	24	03:33	21:51:11.1	+28:51:53	300	90	3.0	#152 ChaMPlane	2	
0061.HD84937	10	03:38	09:48:54.9	+13:45:14	300	54	3.0	#56 Spectropho	4	
0062.HD84937	10	03:39	09:48:54.9	+13:45:14	300	54	3.0	#56 Spectropho	4	
0063.HD84937	10	03:39	09:48:54.9	+13:45:14	300	54	3.0	#56 Spectropho	4	
0064.COMP	5	03:39	09:48:54.9	+13:45:14	300	54	3.0	#56 Spectropho	4	
0065.HD84937	10	03:40	09:48:54.9	+13:45:14	300	54	3.0	#56 Spectropho	2	
0066.HD84937	10	03:40	09:48:54.9	+13:45:14	300	54	3.0	#56 Spectropho	2	
0067.HD84937	10	03:41	09:48:54.9	+13:45:14	300	54	3.0	#56 Spectropho	2	
0068.COMP	12	03:42	09:48:54.9	+13:45:14	300	54	3.0	#56 Spectropho	2	
0069.Feige34	120	03:44	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	4	
0070.COMP	5	03:47	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	4	
0071.Feige34	120	03:48	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0072.COMP	12	03:50	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0073.sn2007bm	1500	03:54	11:25:02.3	-09:47:54	300	25	3.0	#2 SN Observat	2	
0074.COMP	12	04:20	11:25:02.3	-09:47:54	300	25	3.0	#2 SN Observat	2	
0075.sn2007ci	1800	04:23	11:45:45.9	+19:46:14	300	46	3.0	#2 SN Observat	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0076.COMP	12	04:54	11:45:45.9	+19:46:14	300	46	3.0	#2 SN Observat	2	
0077.sn2007ca	1500	04:57	13:31:05.8	-15:06:07	300	-3	3.0	#2 SN Observat	2	
0078.COMP	12	05:23	13:31:05.8	-15:06:07	300	-3	3.0	#2 SN Observat	2	
0079.fmfa404	420	05:32	15:20:24.9	+07:49:17	300	90	3.0	#171 Local Uni	2	
0080.COMP	12	05:39	15:20:24.9	+07:49:17	300	90	3.0	#171 Local Uni	2	
0081.fmfa405	600	05:40	15:20:47.4	+07:56:56	300	90	3.0	#171 Local Uni	2	
0082.COMP	12	05:51	15:20:47.4	+07:56:56	300	90	3.0	#171 Local Uni	2	
0083.fmfa406	900	05:52	15:20:56.6	+07:16:53	300	90	3.0	#171 Local Uni	2	
0084.COMP	12	06:08	15:20:56.6	+07:16:53	300	90	3.0	#171 Local Uni	2	
0085.fmfa407	420	06:09	15:21:13.2	+08:11:44	300	90	3.0	#171 Local Uni	2	
0086.COMP	12	06:17	15:21:13.2	+08:11:44	300	90	3.0	#171 Local Uni	2	
0087.fmfa408	420	06:18	15:21:17.5	+07:22:05	300	90	3.0	#171 Local Uni	2	
0088.COMP	12	06:25	15:21:17.5	+07:22:05	300	90	3.0	#171 Local Uni	2	
0089.fmfa409	420	06:27	15:21:22.5	+07:15:27	300	90	3.0	#171 Local Uni	2	
0090.COMP	12	06:34	15:21:22.5	+07:15:27	300	90	3.0	#171 Local Uni	2	
0091.fmfa410	660	06:35	15:21:24.5	+07:16:26	300	90	3.0	#171 Local Uni	2	
0092.COMP	12	06:47	15:21:24.5	+07:16:26	300	90	3.0	#171 Local Uni	2	
0093.fmfa411	600	06:48	15:21:32.7	+07:08:13	300	90	3.0	#171 Local Uni	2	
0094.COMP	12	07:03	15:21:32.7	+07:08:13	300	90	3.0	#171 Local Uni	2	
0095.fmfa412	420	07:05	15:21:36.4	+07:44:21	300	80	3.0	#171 Local Uni	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0096.COMP	12	07:13	15:21:36.4	+07:44:21	300	80	3.0	#171 Local Uni	2	
0097.GWLib	480	07:16	15:19:55.5	-25:00:25	300	80	3.0	#148 Accretion	2	
0098.COMP	12	07:25	15:19:55.5	-25:00:25	300	80	3.0	#148 Accretion	2	
0099.fmfa413	300	07:27	15:21:36.9	+07:43:10	300	90	3.0	#171 Local Uni	2	
0100.COMP	12	07:33	15:21:36.9	+07:43:10	300	90	3.0	#171 Local Uni	2	
0101.fmfa414	720	07:34	15:22:11.2	+07:47:18	300	61	3.0	#171 Local Uni	2	
0102.COMP	12	07:47	15:22:11.2	+07:47:18	300	61	3.0	#171 Local Uni	2	
0103.fmfa415	420	07:49	15:22:23.7	+08:17:03	300	90	3.0	#171 Local Uni	2	
0104.COMP	12	07:56	15:22:23.7	+08:17:03	300	90	3.0	#171 Local Uni	2	
0105.fmfa416	720	07:58	15:22:24.0	+07:38:07	300	90	3.0	#171 Local Uni	2	
0106.COMP	12	08:10	15:22:24.0	+07:38:07	300	90	3.0	#171 Local Uni	2	
0107.fmfa417	840	08:11	15:22:29.9	+07:52:34	300	90	3.0	#171 Local Uni	2	
0108.COMP	12	08:26	15:22:29.9	+07:52:34	300	90	3.0	#171 Local Uni	2	
0109.fmfa418	780	08:27	15:22:33.9	+07:13:19	300	90	3.0	#171 Local Uni	2	
0110.COMP	12	08:41	15:22:33.9	+07:13:19	300	90	3.0	#171 Local Uni	2	
0111.fmfa419	1020	08:42	15:22:41.7	+07:17:50	300	90	3.0	#171 Local Uni	2	
0112.COMP	12	09:00	15:22:41.7	+07:17:50	300	90	3.0	#171 Local Uni	2	
0113.fmfa420	720	09:01	15:22:52.5	+07:20:06	300	90	3.0	#171 Local Uni	2	
0114.COMP	12	09:13	15:22:52.5	+07:20:06	300	90	3.0	#171 Local Uni	2	
0115.fmfa421	1800	09:14	15:22:53.3	+07:20:52	300	90	3.0	#171 Local Uni	2	not worth another exposure

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.COMP	12	09:45	15:22:53.3	+07:20:52	300	90	3.0	#171 Local Uni	2	
0117.fmfa422	240	09:46	15:22:53.4	+07:21:08	300	90	3.0	#171 Local Uni	2	
0118.COMP	12	09:51	15:22:53.4	+07:21:08	300	90	3.0	#171 Local Uni	2	
0119.sc39_067921	420	10:01	17:55:14.0	-29:54:47	300	90	3.0	#152 ChaMPlane	2	row=84
0120.COMP	12	10:09	17:55:14.0	-29:54:47	300	90	3.0	#152 ChaMPlane	2	
0121.sc39_126098	720	10:11	17:55:15.0	-29:40:25	300	90	3.0	#152 ChaMPlane	2	row=86
0122.COMP	12	10:24	17:55:15.0	-29:40:25	300	90	3.0	#152 ChaMPlane	2	
0123.sc01_618520	480	10:26	18:03:00.3	-30:02:10	300	90	3.0	#152 ChaMPlane	2	row=86
0124.COMP	12	10:35	18:03:00.3	-30:02:10	300	90	3.0	#152 ChaMPlane	2	
0125.IPHAS_B572	720	10:37	18:54:11.2	-04:15:55	300	70	3.0	#157 IPHAS	2	row=84
0126.COMP	12	10:50	18:54:11.2	-04:15:55	300	70	3.0	#157 IPHAS	2	
0127.IPHAS_B573	1200	10:52	18:54:25.6	-02:12:53	300	80	3.0	#157 IPHAS	2	row=87
0128.COMP	12	11:12	18:54:25.6	-02:12:53	300	80	3.0	#157 IPHAS	2	
0129.IPHAS_B574	720	11:13	18:54:35.4	-02:30:13	300	80	3.0	#157 IPHAS	2	row=87
0130.COMP	12	11:26	18:54:35.4	-02:30:13	300	80	3.0	#157 IPHAS	2	
0131.3C390.3	300	11:31	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0132.3C390.3	300	11:36	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0133.COMP	12	11:41	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0134-0143.BIAS	0	11:47	18:42:09.0	+79:46:17	300	90	3.0	#171 Local Uni	4	
0144-0153.FLAT	12	11:54	18:42:09.0	+79:46:17	300	90	3.0	#171 Local Uni	4	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0154-0163.BIAS	0	11:59	18:42:09.0	+79:46:17	300	90	3.0	#171 Local Uni	2	
0164-0183.FLAT	24	12:11	18:42:09.0	+79:46:17	300	90	3.0	#171 Local Uni	2	
0184-0193.DARK	900	14:50	18:42:09.0	+79:46:17	300	90	3.0	#171 Local Uni	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:11	10:33:28.8	+31:32:02	300	90	3.0	#171 Local Uni	2	
0011-0025.FLAT	25	02:21	10:33:28.8	+31:32:02	300	90	3.0	#171 Local Uni	2	
0026.sky	3	02:28	10:55:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	a few clouds to the west, moon
0027-0030.sky	3	02:29	10:55:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0031.COMP	10	02:29	10:55:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0032.HD84937	20	02:59	09:48:54.9	+13:45:14	300	48	3.0	#56 Spectropho	2	
0033.HD84937	20	03:00	09:48:54.9	+13:45:14	300	48	3.0	#56 Spectropho	2	
0034.HD84937	20	03:00	09:48:54.9	+13:45:14	300	48	3.0	#56 Spectropho	2	
0035.COMP	10	03:01	09:48:54.9	+13:45:14	300	48	3.0	#56 Spectropho	2	
0036.MRK421	90	03:03	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0037.MRK421	90	03:05	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0038.COMP	10	03:07	11:04:27.4	+38:12:32	300	90	3.0	#57 Velocity S	2	
0039.N3379	120	03:09	10:47:50.0	+12:34:55	300	90	3.0	#57 Velocity S	2	
0040.COMP	10	03:11	10:47:50.0	+12:34:55	300	90	3.0	#56 Spectropho	2	
0041.Feige34	180	03:13	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0042.Feige34	180	03:16	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0043.COMP	10	03:20	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	
0044.cirsfastf0046EW	665	03:23	10:17:00.6	-00:51:32	300	96	3.0	#172 SDSS Clus	2	main target 46 at row 76, fainter comp to E at row 59
0045.COMP	10	03:34	10:17:00.6	-00:51:32	300	96	3.0	#172 SDSS Clus	2	
0046.cirsfastf047	540	03:35	10:18:50.9	-01:01:04	300	96	3.0	#172 SDSS Clus	2	fainter comp in slit to E

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0047.COMP	10	03:44	10:18:50.9	-01:01:04	300	96	3.0	#172 SDSS Clus	2	
0048.cirsfastf048	540	03:45	10:18:55.8	-01:05:18	300	96	3.0	#172 SDSS Clus	2	
0049.COMP	10	03:55	10:18:55.8	-01:05:18	300	96	3.0	#172 SDSS Clus	2	
0050.cirsfastf049	600	03:56	10:19:21.5	-00:38:50	300	82	3.0	#172 SDSS Clus	2	
0051.COMP	10	04:07	10:19:21.5	-00:38:50	300	82	3.0	#2 SN Observat	2	
0052.sn2007ci	1800	04:09	11:45:45.9	+19:46:14	300	50	3.0	#2 SN Observat	2	
0053.COMP	10	04:40	11:45:45.9	+19:46:14	300	50	3.0	#2 SN Observat	2	
0054.sn2007ce	1800	04:43	12:10:18.0	+48:43:32	300	0	3.0	#2 SN Observat	2	
0055.COMP	10	05:14	12:10:18.0	+48:43:32	300	0	3.0	#2 SN Observat	2	
0056.cirsfastf052NS	480	05:17	10:54:32.6	+12:29:07	300	45	3.0	#172 SDSS Clus	2	main target 52 at row 83, comp to SW at row 93 em
0057.COMP	10	05:25	10:54:32.6	+12:29:07	300	45	3.0	#172 SDSS Clus	2	
0058.cirsfastf053	480	05:26	10:54:51.9	+11:08:08	300	45	3.0	#172 SDSS Clus	2	
0059.COMP	10	05:34	10:54:51.9	+11:08:08	300	45	3.0	#172 SDSS Clus	2	
0060.cirsfastf054	480	05:36	10:57:51.7	+09:48:15	300	45	3.0	#172 SDSS Clus	2	
0061.COMP	10	05:44	10:57:51.7	+09:48:15	300	45	3.0	#172 SDSS Clus	2	
0062.cirsfastf055	420	05:45	10:57:54.1	+08:00:26	300	45	3.0	#172 SDSS Clus	2	
0063.COMP	10	05:52	10:57:54.1	+08:00:26	300	45	3.0	#2 SN Observat	2	
0064.sn2007af	1500	05:55	14:22:21.0	-00:23:38	300	6	3.0	#2 SN Observat	2	
0065.COMP	10	06:20	14:22:21.0	-00:23:38	300	6	3.0	#141 Mapping t	2	
0066.15243537+1948139	300	06:22	15:24:35.4	+19:48:14	300	90	3.0	#141 Mapping t	2	

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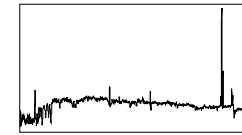
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	06:27	15:24:35.4	+19:48:14	300	90	3.0	#141 Mapping t	2	
0068.15134931+1750439	300	06:28	15:13:49.3	+17:50:44	300	90	3.0	#141 Mapping t	2	
0069.COMP	10	06:33	15:13:49.3	+17:50:44	300	90	3.0	#141 Mapping t	2	
0070.15164827+0454403	210	06:34	15:16:48.3	+04:54:40	300	90	3.0	#141 Mapping t	2	
0071.COMP	10	06:38	15:16:48.3	+04:54:40	300	90	3.0	#141 Mapping t	2	
0072.15225341+0721074	240	06:39	15:22:53.4	+07:21:07	300	90	3.0	#141 Mapping t	2	
0073.COMP	10	06:43	15:22:53.4	+07:21:07	300	90	3.0	#141 Mapping t	2	
0074.15262119+0642596	240	06:44	15:26:21.2	+06:43:00	300	90	3.0	#141 Mapping t	2	
0075.COMP	10	06:48	15:26:21.2	+06:43:00	300	90	3.0	#141 Mapping t	2	
0076.15253370+0555082	240	06:49	15:25:33.7	+05:55:08	300	90	3.0	#141 Mapping t	2	
0077.COMP	10	06:53	15:25:33.7	+05:55:08	300	90	3.0	#141 Mapping t	2	
0078.15274619+0452538	240	06:54	15:27:46.2	+04:52:54	300	90	3.0	#141 Mapping t	2	
0079.COMP	10	06:59	15:27:46.2	+04:52:54	300	90	3.0	#141 Mapping t	2	
0080.15274919+0451248	210	06:59	15:27:49.2	+04:51:25	300	90	3.0	#141 Mapping t	2	
0081.COMP	10	07:03	15:27:49.2	+04:51:25	300	90	3.0	#141 Mapping t	2	chase after swift grb ot, nothing there
0082.15280053+0752488	300	07:07	15:28:00.5	+07:52:49	300	90	3.0	#141 Mapping t	2	
0083.COMP	10	07:13	15:28:00.5	+07:52:49	300	90	3.0	#141 Mapping t	2	
0084.15292307+0737028	300	07:14	15:29:23.1	+07:37:03	300	90	3.0	#141 Mapping t	2	
0085.COMP	10	07:19	15:29:23.1	+07:37:03	300	90	3.0	#141 Mapping t	2	
0086.BDp332642	90	07:21	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	

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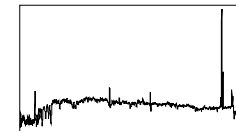
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.BDp332642	90	07:23	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0088.COMP	10	07:25	15:52:00.0	+32:56:54	300	90	3.0	#12 Symbiotic	2	
0089.AGDra	2	07:26	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0090.AGDra	15	07:27	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0091.AGDra	45	07:27	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0092.COMP	10	07:28	16:01:41.0	+66:48:10	300	90	3.0	#141 Mapping t	2	
0093.15064735+5617282	240	07:29	15:06:47.3	+56:17:28	300	90	3.0	#141 Mapping t	2	
0094.COMP	10	07:34	15:06:47.3	+56:17:28	300	90	3.0	#141 Mapping t	2	
0095.15092046+6653156	240	07:35	15:09:20.5	+66:53:16	300	90	3.0	#141 Mapping t	2	
0096.COMP	10	07:39	15:09:20.5	+66:53:16	300	90	3.0	#141 Mapping t	2	
0097.15131213+7112400	360	07:40	15:13:12.1	+71:12:40	300	90	3.0	#141 Mapping t	2	
0098.COMP	10	07:46	15:13:12.1	+71:12:40	300	90	3.0	#141 Mapping t	2	
0099.15085320+7510389	240	07:47	15:08:53.2	+75:10:39	300	90	3.0	#141 Mapping t	2	
0100.COMP	10	07:51	15:08:53.2	+75:10:39	300	90	3.0	#141 Mapping t	2	
0101.15213926+8207467	330	07:53	15:21:39.3	+82:07:47	300	90	3.0	#141 Mapping t	2	
0102.COMP	10	07:58	15:21:39.3	+82:07:47	300	90	3.0	#141 Mapping t	2	
0103.15264177+6758325	270	08:00	15:26:41.8	+67:58:32	300	90	3.0	#141 Mapping t	2	
0104.COMP	10	08:05	15:26:41.8	+67:58:32	300	90	3.0	#141 Mapping t	2	
0105.15561310+7100151	270	08:06	15:56:13.1	+71:00:15	300	90	3.0	#141 Mapping t	2	
0106.COMP	10	08:11	15:56:13.1	+71:00:15	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.15442937+6651241	240	08:11	15:44:29.4	+66:51:24	300	90	3.0	#141 Mapping t	2	
0108.COMP	10	08:16	15:44:29.4	+66:51:24	300	90	3.0	#141 Mapping t	2	
0109.15413448+5558391EW	360	08:17	15:41:34.5	+55:58:39	300	90	3.0	#141 Mapping t	2	main target at row 82, comp to E at row 72
0110.COMP	10	08:23	15:41:34.5	+55:58:39	300	90	3.0	#141 Mapping t	2	
0111.15530935+5408557	604	08:28	15:53:09.3	+54:08:56	300	90	3.0	#141 Mapping t	2	north clump only
0112.COMP	10	08:39	15:53:09.3	+54:08:56	300	90	3.0	#141 Mapping t	2	
0113.17004729-1302070	660	08:42	17:00:47.3	-13:02:07	300	0	3.0	#141 Mapping t	2	
0114.COMP	10	08:53	17:00:47.3	-13:02:07	300	0	3.0	#141 Mapping t	2	
0115.17084286-1704498	720	08:54	17:08:42.9	-17:04:50	300	0	3.0	#141 Mapping t	2	
0116.COMP	10	09:06	17:08:42.9	-17:04:50	300	0	3.0	#141 Mapping t	2	
0117.17333524-1741156	900	09:08	17:33:35.2	-17:41:16	300	0	3.0	#141 Mapping t	2	
0118.COMP	10	09:23	17:33:35.2	-17:41:16	300	0	3.0	#141 Mapping t	2	
0119.AS281	10	09:25	18:10:44.0	-27:57:57	300	0	3.0	#12 Symbiotic	2	
0120.AS281	45	09:26	18:10:44.0	-27:57:57	300	0	3.0	#12 Symbiotic	2	
0121.AS281	300	09:27	18:10:44.0	-27:57:57	300	0	3.0	#12 Symbiotic	2	
0122.COMP	10	09:33	18:10:44.0	-27:57:57	300	0	3.0	#12 Symbiotic	2	
0123.sc45_101324	604	09:35	18:03:04.1	-29:56:30	300	0	3.0	#152 ChaMPlane	2	
0124.COMP	10	09:45	18:03:04.1	-29:56:30	300	0	3.0	#152 ChaMPlane	2	
0125.sc01_652266	420	09:46	18:03:02.8	-29:53:14	300	0	3.0	#152 ChaMPlane	2	ok
0126.COMP	10	09:54	18:03:02.8	-29:53:14	300	0	3.0	#152 ChaMPlane	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0127.55_106095	90	09:57	18:10:36.9	-19:03:35	300	0	3.0	#152 ChaMPlane	2	
0128.COMP	10	09:59	18:10:36.9	-19:03:35	300	0	3.0	#152 ChaMPlane	2	
0129.55_155193	360	10:00	18:10:56.0	-19:05:17	300	0	3.0	#152 ChaMPlane	2	ok
0130.COMP	10	10:06	18:10:56.0	-19:05:17	300	0	3.0	#152 ChaMPlane	2	
0131.55_185065	180	10:07	18:11:06.7	-18:58:48	300	0	3.0	#152 ChaMPlane	2	
0132.COMP	10	10:11	18:11:06.7	-18:58:48	300	0	3.0	#152 ChaMPlane	2	
0133.55_204557	120	10:12	18:11:13.2	-18:58:13	300	0	3.0	#152 ChaMPlane	2	
0134.COMP	10	10:14	18:11:13.2	-18:58:13	300	0	3.0	#12 Symbiotic	2	
0135.Hen1674	120	10:17	18:20:19.0	-26:22:47	300	0	3.0	#12 Symbiotic	2	
0136.Hen1674	300	10:20	18:20:19.0	-26:22:47	300	0	3.0	#12 Symbiotic	2	
0137.COMP	10	10:25	18:20:19.0	-26:22:47	300	0	3.0	#141 Mapping t	2	
0138.18370737-2447295	1200	10:27	18:37:07.4	-24:47:29	300	0	3.0	#141 Mapping t	2	ok
0139.COMP	10	10:48	18:37:07.4	-24:47:29	300	0	3.0	#141 Mapping t	2	
0140.18403239-2134252	900	10:49	18:40:32.4	-21:34:25	300	0	3.0	#141 Mapping t	2	
0141.COMP	10	11:04	18:40:32.4	-21:34:25	300	0	3.0	#141 Mapping t	2	
0142.18410943-1713491	720	11:05	18:41:09.4	-17:13:49	300	0	3.0	#141 Mapping t	2	
0143.COMP	10	11:18	18:41:09.4	-17:13:49	300	0	3.0	#141 Mapping t	2	
0144.17555552+1137411	240	11:20	17:55:55.5	+11:37:41	300	90	3.0	#141 Mapping t	2	
0145.COMP	10	11:24	17:55:55.5	+11:37:41	300	90	3.0	#141 Mapping t	2	
0146.17530615+1434076	240	11:25	17:53:06.1	+14:34:08	300	90	3.0	#141 Mapping t	2	bright sky

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0147.COMP	10	11:29	17:53:06.1	+14:34:08	300	90	3.0	#141 Mapping t	2	
0148-0157.BIAS	0	11:35	17:53:06.1	+14:34:08	300	90	3.0	#171 Local Uni	2	
0158-0172.FLAT	25	11:44	17:53:06.1	+14:34:08	300	90	3.0	#171 Local Uni	2	
0173-0177.DARK	900	12:55	17:53:06.1	+14:34:08	300	90	3.0	#171 Local Uni	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0003-0007.DARK	900	01:42	08:13:47.1	+31:31:03	300	90	3.0	#171 Local Uni	2	
0008-0020.BIAS	0	02:00	08:13:47.1	+31:31:03	300	90	3.0	#171 Local Uni	2	
0021-0035.FLAT	25	02:09	08:13:47.1	+31:31:03	300	90	3.0	#171 Local Uni	2	
0036.sky	3	02:27	11:01:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	windy, very hazy, moon
0037-0040.sky	3	02:28	11:01:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0041.COMP	10	02:29	11:01:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0042.HD84937	20	03:10	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0043.HD84937	20	03:11	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0044.HD84937	20	03:11	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0045.COMP	10	03:12	09:48:54.9	+13:45:14	300	50	3.0	#56 Spectropho	2	
0046.Feige34	180	03:14	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0047.Feige34	180	03:18	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0048.COMP	10	03:21	10:39:36.9	+43:06:11	300	90	3.0	#172 SDSS Clus	2	
0049.cirsfastb134	728	03:24	10:54:11.2	+54:50:18	300	90	3.0	#172 SDSS Clus	2	
0050.COMP	10	03:37	10:54:11.2	+54:50:18	300	90	3.0	#172 SDSS Clus	2	
0051.cirsfastb133	600	03:37	10:54:10.3	+54:48:52	300	90	3.0	#172 SDSS Clus	2	
0052.COMP	10	03:48	10:54:10.3	+54:48:52	300	90	3.0	#172 SDSS Clus	2	
0053.sn2007bm	1500	03:52	11:25:02.3	-09:47:54	300	23	3.0	#2 SN Observat	2	
0054.COMP	10	04:17	11:25:02.3	-09:47:54	300	23	3.0	#2 SN Observat	2	
0055.sn2007ci	1800	04:21	11:45:45.9	+19:46:14	300	54	3.0	#2 SN Observat	2	

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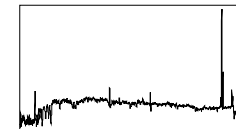
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.COMP	10	04:52	11:45:45.9	+19:46:14	300	54	3.0	#2 SN Observat	2	
0057.cirsfastb195	900	04:54	11:17:20.1	+40:07:53	300	90	3.0	#172 SDSS Clus	2	
0058.COMP	10	05:09	11:17:20.1	+40:07:53	300	90	3.0	#172 SDSS Clus	2	
0059.cirsfastb196	900	05:11	11:17:31.7	+55:33:08	300	90	3.0	#172 SDSS Clus	2	
0060.COMP	10	05:26	11:17:31.7	+55:33:08	300	90	3.0	#172 SDSS Clus	2	
0061.cirsfastb211	516	05:27	11:46:42.3	+55:45:46	300	90	3.0	#172 SDSS Clus	2	
0062.COMP	10	05:36	11:46:42.3	+55:45:46	300	90	3.0	#172 SDSS Clus	2	
0063.cirsfastb210	420	05:37	11:44:55.3	+56:02:22	300	90	3.0	#172 SDSS Clus	2	
0064.COMP	10	05:45	11:44:55.3	+56:02:22	300	90	3.0	#172 SDSS Clus	2	
0065.cirsfastb212	420	05:45	11:47:15.7	+55:43:02	300	90	3.0	#172 SDSS Clus	2	
0066.COMP	10	05:53	11:47:15.7	+55:43:02	300	90	3.0	#172 SDSS Clus	2	
0067.cirsfastb213	420	05:54	11:47:29.1	+55:43:51	300	90	3.0	#172 SDSS Clus	2	
0068.COMP	10	06:01	11:47:29.1	+55:43:51	300	90	3.0	#172 SDSS Clus	2	
0069.cirsfastb214	540	06:02	11:51:35.5	+54:13:44	300	90	3.0	#172 SDSS Clus	2	
0070.COMP	10	06:11	11:51:35.5	+54:13:44	300	90	3.0	#57 Velocity S	2	
0071.N4853	240	06:12	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0072.COMP	10	06:17	12:58:35.1	+27:35:47	300	90	3.0	#172 SDSS Clus	2	
0073.cirs2fastf038	300	06:18	15:57:21.4	+24:24:28	300	90	3.0	#172 SDSS Clus	2	
0074.COMP	10	06:23	15:57:21.4	+24:24:28	300	90	3.0	#172 SDSS Clus	2	
0075.cirs2fastf039	360	06:24	15:57:32.0	+23:20:46	300	90	3.0	#172 SDSS Clus	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.COMP	10	06:31	15:57:32.0	+23:20:46	300	90	3.0	#172 SDSS Clus	2	
0077.cirs2fastf040	240	06:31	15:58:31.2	+22:54:08	300	90	3.0	#172 SDSS Clus	2	
0078.COMP	10	06:36	15:58:31.2	+22:54:08	300	90	3.0	#172 SDSS Clus	2	
0079.cirs2fastf044	480	06:36	16:01:08.0	+22:31:45	300	90	3.0	#172 SDSS Clus	2	
0080.COMP	10	06:45	16:01:08.0	+22:31:45	300	90	3.0	#172 SDSS Clus	2	
0081.4dlxfast064	240	06:46	16:29:52.9	+24:26:38	300	90	3.0	#172 SDSS Clus	2	
0082.COMP	10	06:50	16:29:52.9	+24:26:38	300	90	3.0	#172 SDSS Clus	2	
0083.4dlxfast067	480	06:51	16:31:44.0	+25:38:29	300	90	3.0	#172 SDSS Clus	2	
0084.COMP	10	06:59	16:31:44.0	+25:38:29	300	90	3.0	#172 SDSS Clus	2	
0085.4dlxfast069	540	07:01	16:33:32.1	+24:59:05	300	90	3.0	#172 SDSS Clus	2	
0086.COMP	10	07:10	16:33:32.1	+24:59:05	300	90	3.0	#56 Spectropho	2	
0087.BDp332642	120	07:11	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0088.BDp332642	120	07:14	15:52:00.0	+32:56:54	300	90	3.0	#56 Spectropho	2	
0089.COMP	10	07:16	15:52:00.0	+32:56:54	300	90	3.0	#141 Mapping t	2	
0090.15515308+0419452	240	07:17	15:51:53.1	+04:19:45	300	90	3.0	#141 Mapping t	2	
0091.COMP	10	07:21	15:51:53.1	+04:19:45	300	90	3.0	#141 Mapping t	2	
0092.15514761-0529200	330	07:22	15:51:47.6	-05:29:20	300	90	3.0	#141 Mapping t	2	
0093.COMP	10	07:28	15:51:47.6	-05:29:20	300	90	3.0	#141 Mapping t	2	
0094.16092752-0431526	330	07:29	16:09:27.5	-04:31:53	300	90	3.0	#141 Mapping t	2	
0095.COMP	10	07:35	16:09:27.5	-04:31:53	300	90	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.16093054-0450236	540	07:36	16:09:30.5	-04:50:24	300	90	3.0	#141 Mapping t	2	
0097.COMP	10	07:45	16:09:30.5	-04:50:24	300	90	3.0	#141 Mapping t	2	
0098.16112097-0555326	360	07:46	16:11:21.0	-05:55:33	300	90	3.0	#141 Mapping t	2	
0099.COMP	10	07:52	16:11:21.0	-05:55:33	300	90	3.0	#141 Mapping t	2	
0100.16100160-0239254	300	07:53	16:10:01.6	-02:39:25	300	90	3.0	#141 Mapping t	2	sup star, junk
0101.16100160-0239254	720	08:00	16:10:01.6	-02:39:25	300	0	3.0	#141 Mapping t	2	ok, all gal
0102.COMP	10	08:12	16:10:01.6	-02:39:25	300	0	3.0	#141 Mapping t	2	
0103.16100908+0045551	300	08:14	16:10:09.1	+00:45:55	300	0	3.0	#141 Mapping t	2	
0104.COMP	10	08:19	16:10:09.1	+00:45:55	300	0	3.0	#141 Mapping t	2	
0105.16121531+0259378	240	08:20	16:12:15.3	+02:59:38	300	0	3.0	#141 Mapping t	2	
0106.COMP	10	08:25	16:12:15.3	+02:59:38	300	0	3.0	#141 Mapping t	2	
0107.16174983+1552218	240	08:26	16:17:49.8	+15:52:22	300	0	3.0	#141 Mapping t	2	
0108.COMP	10	08:30	16:17:49.8	+15:52:22	300	0	3.0	#141 Mapping t	2	
0109.16222802+1726177	210	08:31	16:22:28.0	+17:26:18	300	0	3.0	#141 Mapping t	2	
0110.COMP	10	08:35	16:22:28.0	+17:26:18	300	0	3.0	#141 Mapping t	2	
0111.16212512+0946206	240	08:35	16:21:25.1	+09:46:21	300	0	3.0	#141 Mapping t	2	
0112.COMP	10	08:40	16:21:25.1	+09:46:21	300	0	3.0	#141 Mapping t	2	
0113.16222871+1030177	210	08:41	16:22:28.7	+10:30:18	300	0	3.0	#141 Mapping t	2	
0114.COMP	10	08:44	16:22:28.7	+10:30:18	300	0	3.0	#141 Mapping t	2	
0115.16232482+1021128	270	08:45	16:23:24.8	+10:21:13	300	0	3.0	#141 Mapping t	2	

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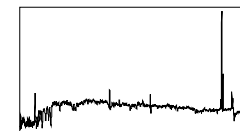
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.COMP	10	08:50	16:23:24.8	+10:21:13	300	0	3.0	#141 Mapping t	2	
0117.16234057+0942319	270	08:51	16:23:40.6	+09:42:32	300	0	3.0	#141 Mapping t	2	
0118.COMP	10	08:56	16:23:40.6	+09:42:32	300	0	3.0	#141 Mapping t	2	
0119.16232075+0639371	240	08:56	16:23:20.8	+06:39:37	300	0	3.0	#141 Mapping t	2	
0120.COMP	10	09:01	16:23:20.8	+06:39:37	300	0	3.0	#152 ChaMPlane	2	
0121.sc01_652397	900	09:05	18:02:58.5	-29:52:39	300	0	3.0	#152 ChaMPlane	2	
0122.COMP	10	09:20	18:02:58.5	-29:52:39	300	0	3.0	#152 ChaMPlane	2	
0123.sc01_640074	480	09:22	18:03:03.2	-29:55:16	300	0	3.0	#152 ChaMPlane	2	
0124.COMP	10	09:30	18:03:03.2	-29:55:16	300	0	3.0	#152 ChaMPlane	2	
0125.sc45_113288	900	09:32	18:03:04.6	-29:53:51	300	0	3.0	#152 ChaMPlane	2	
0126.COMP	10	09:47	18:03:04.6	-29:53:51	300	0	3.0	#152 ChaMPlane	2	
0127.55_163277	120	09:48	18:10:59.2	-19:10:57	300	0	3.0	#152 ChaMPlane	2	
0128.COMP	10	09:50	18:10:59.2	-19:10:57	300	0	3.0	#152 ChaMPlane	2	
0129.55_152378	660	09:52	18:10:54.9	-19:02:21	300	0	3.0	#152 ChaMPlane	2	
0130.COMP	10	10:03	18:10:54.9	-19:02:21	300	0	3.0	#152 ChaMPlane	2	
0131.55_199591	480	10:05	18:11:11.7	-19:00:09	300	10	3.0	#152 ChaMPlane	2	
0132.COMP	10	10:13	18:11:11.7	-19:00:09	300	10	3.0	#152 ChaMPlane	2	
0133.55_298832	240	10:14	18:11:43.4	-19:32:09	300	10	3.0	#152 ChaMPlane	2	
0134.COMP	10	10:18	18:11:43.4	-19:32:09	300	10	3.0	#12 Symbiotic	2	
0135.AS316	10	10:19	18:42:33.0	-21:17:47	300	10	3.0	#12 Symbiotic	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0136.AS316	30	10:20	18:42:33.0	-21:17:47	300	10	3.0	#12 Symbiotic	2	
0137.AS316	360	10:21	18:42:33.0	-21:17:47	300	10	3.0	#12 Symbiotic	2	
0138.COMP	10	10:27	18:42:33.0	-21:17:47	300	10	3.0	#12 Symbiotic	2	
0139.AS327	10	10:28	18:53:17.0	-24:22:59	300	10	3.0	#12 Symbiotic	2	
0140.AS327	45	10:29	18:53:17.0	-24:22:59	300	10	3.0	#12 Symbiotic	2	
0141.AS327	360	10:30	18:53:17.0	-24:22:59	300	10	3.0	#12 Symbiotic	2	
0142.COMP	10	10:36	18:53:17.0	-24:22:59	300	10	3.0	#12 Symbiotic	2	
0143.18390815-2450568	1200	10:40	18:39:08.2	-24:50:57	300	90	3.0	#141 Mapping t	2	
0144.COMP	10	11:01	18:39:08.2	-24:50:57	300	90	3.0	#141 Mapping t	2	
0145.V443Her	5	11:03	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0146.V443Her	45	11:03	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0147.COMP	10	11:05	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0148.AS360	10	11:06	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0149.AS360	60	11:06	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0150.AS360	300	11:08	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0151.COMP	10	11:13	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0152.PUVu1	10	11:14	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0153.PUVu1	60	11:15	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0154.COMP	10	11:16	20:21:13.0	+21:34:21	300	90	3.0	#56 Spectropho	2	
0155.CygOB2no9	60	11:17	20:33:10.7	+41:15:08	300	90	3.0	#56 Spectropho	2	

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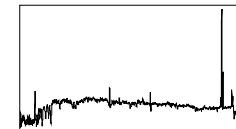
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0156.CygOB2no9	60	11:19	20:33:10.7	+41:15:08	300	90	3.0	#56 Spectropho	2	
0157.COMP	10	11:20	20:33:10.7	+41:15:08	300	90	3.0	#56 Spectropho	2	
0159.HD192281	15	11:21	20:12:33.1	+40:16:06	300	90	3.0	#56 Spectropho	2	
0160.HD192281	15	11:22	20:12:33.1	+40:16:06	300	90	3.0	#56 Spectropho	2	
0161.HD192281	15	11:22	20:12:33.1	+40:16:06	300	90	3.0	#56 Spectropho	2	
0162.COMP	10	11:23	20:12:33.1	+40:16:06	300	90	3.0	#12 Symbiotic	2	
0163.CICyg	2	11:24	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0164.CICyg	20	11:24	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0165.COMP	10	11:25	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0166.CHCyg	1	11:26	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0167.CHCyg	3	11:26	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0168.CHCyg	15	11:27	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0169.COMP	10	11:27	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0170.BFCyg	2	11:28	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0171.BFCyg	6	11:29	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0172.BFCyg	30	11:29	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0173.COMP	10	11:30	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0174-0183.BIAS	0	11:34	19:23:53.0	+29:40:27	300	90	3.0	#2 SN Observat	2	
0184-0198.FLAT	25	11:43	19:23:53.0	+29:40:27	300	90	3.0	#2 SN Observat	2	
0199-0203.DARK	900	12:56	19:23:53.0	+29:40:27	300	90	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:45	08:15:00.0	+32:00:00	1200	90	2.0	#176 Be/X-ray	2	
0011.COMP	15	23:46	08:15:00.0	+32:00:00	1200	90	2.0	#176 Be/X-ray	2	1200-line, 2-sec, tilt 800, GG495
0012.FLAT	60	23:48	08:15:00.0	+32:00:00	1200	90	2.0	#176 Be/X-ray	2	1200
0013-0020.FLAT	60	23:57	08:15:00.0	+32:00:00	1200	90	2.0	#176 Be/X-ray	2	
0025.FLAT	25	00:11	08:45:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	300-line, 3-sec, combo
0026-0040.FLAT	25	00:21	08:45:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0041-0050.BIAS	0	00:24	08:45:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0051-0055.DARK	900	01:29	08:45:00.0	+32:00:00	300	90	3.0	#57 Velocity S	2	
0056.FLAT	14	02:14	08:45:00.0	+32:00:00	300	90	5.0	#57 Velocity S	2	300-line, 5-sec slit
0057-0065.FLAT	14	02:18	08:45:00.0	+32:00:00	300	90	5.0	#57 Velocity S	2	
0066.HD84937	20	03:07	09:48:54.9	+13:45:14	300	52	5.0	#56 Spectropho	2	
0067.HD84937	20	03:07	09:48:54.9	+13:45:14	300	52	5.0	#56 Spectropho	2	
0068.HD84937	20	03:08	09:48:54.9	+13:45:14	300	52	5.0	#56 Spectropho	2	
0069.COMP	6	03:09	09:48:54.9	+13:45:14	300	52	5.0	#56 Spectropho	2	
0070.Feige34	120	03:11	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	
0071.Feige34	120	03:14	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	
0072.Feige34	120	03:17	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	
0073.COMP	6	03:20	10:39:36.9	+43:06:11	300	90	5.0	#56 Spectropho	2	
0074.FLAT	25	03:22	12:00:00.0	+32:00:00	300	90	3.0	#56 Spectropho	2	300-line, 3-sec, combo
0075-0083.FLAT	25	03:27	12:00:00.0	+32:00:00	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.HD84937	20	03:29	09:48:54.9	+13:45:14	300	56	3.0	#56 Spectropho	2	
0085.HD84937	20	03:30	09:48:54.9	+13:45:14	300	56	3.0	#56 Spectropho	2	
0086.HD84937	20	03:30	09:48:54.9	+13:45:14	300	56	3.0	#56 Spectropho	2	
0087.COMP	10	03:31	09:48:54.9	+13:45:14	300	56	3.0	#56 Spectropho	2	
0088.Feige34	180	03:33	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	clear, bright moon, hazy down low
0089.Feige34	180	03:36	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0090.COMP	10	03:40	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	2	
0091.TXCVn	30	03:41	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0092.TXCVn	30	03:41	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0093.COMP	10	03:42	12:44:42.0	+36:45:48	300	90	3.0	#57 Velocity S	2	
0094.N4853	300	03:43	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0095.COMP	10	03:49	12:58:35.1	+27:35:47	300	90	3.0	#172 SDSS Clus	2	
0096.cirsfastf096	540	03:50	11:29:53.3	+50:08:00	300	90	3.0	#172 SDSS Clus	2	
0097.COMP	10	03:59	11:29:53.3	+50:08:00	300	90	3.0	#172 SDSS Clus	2	
0098.cirsfastf098	540	04:00	11:32:49.0	+51:01:31	300	90	3.0	#172 SDSS Clus	2	
0099.COMP	10	04:10	11:32:49.0	+51:01:31	300	90	3.0	#172 SDSS Clus	2	
0100.cirsfastf100	480	04:10	11:36:23.8	+50:29:07	300	90	3.0	#172 SDSS Clus	2	
0101.COMP	10	04:19	11:36:23.8	+50:29:07	300	90	3.0	#172 SDSS Clus	2	
0102.cirsfastf099	540	04:20	11:33:28.3	+49:14:28	300	90	3.0	#172 SDSS Clus	2	pec, slit on bright clumps se of sup star
0103.COMP	10	04:29	11:33:28.3	+49:14:28	300	90	3.0	#172 SDSS Clus	2	

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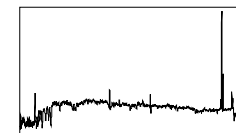
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0104.cirsfastf101	420	04:31	11:38:54.5	+49:39:37	300	90	3.0	#172 SDSS Clus	2	
0105.COMP	10	04:38	11:38:54.5	+49:39:37	300	90	3.0	#172 SDSS Clus	2	
0106.cirsfastf102	180	04:39	11:49:37.8	+48:25:12	300	90	3.0	#172 SDSS Clus	2	extended bar with em
0107.COMP	10	04:43	11:49:37.8	+48:25:12	300	90	3.0	#172 SDSS Clus	2	
0108.RWHya	2	04:46	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0109.RWHya	10	04:46	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0110.COMP	10	04:47	13:34:18.0	-25:22:51	300	0	3.0	#172 SDSS Clus	2	
0111.cirs2fastb037	420	04:50	13:14:14.0	+38:48:34	300	0	3.0	#172 SDSS Clus	2	
0112.COMP	10	04:57	13:14:14.0	+38:48:34	300	0	3.0	#172 SDSS Clus	2	
0113.cirs2fastb039	480	04:59	13:14:28.5	+38:43:04	300	90	3.0	#172 SDSS Clus	2	
0114.COMP	10	05:07	13:14:28.5	+38:43:04	300	90	3.0	#172 SDSS Clus	2	
0115.cirsfastb236	600	05:10	12:05:19.6	+55:39:05	300	90	3.0	#172 SDSS Clus	2	
0116.COMP	10	05:20	12:05:19.6	+55:39:05	300	90	3.0	#172 SDSS Clus	2	
0117.cirsfastb237	420	05:21	12:06:27.5	+56:19:08	300	90	3.0	#172 SDSS Clus	2	
0118.COMP	10	05:28	12:06:27.5	+56:19:08	300	90	3.0	#172 SDSS Clus	2	
0119.cirsfastb238	420	05:29	12:07:27.9	+56:28:50	300	90	3.0	#172 SDSS Clus	2	
0120.COMP	10	05:36	12:07:27.9	+56:28:50	300	90	3.0	#172 SDSS Clus	2	
0121.cirsfastb246	360	05:38	13:33:19.8	+60:09:03	300	90	3.0	#172 SDSS Clus	2	
0122.COMP	10	05:44	13:33:19.8	+60:09:03	300	90	3.0	#172 SDSS Clus	2	
0123.cirsfastb247	540	05:45	13:33:22.0	+60:10:02	300	90	3.0	#172 SDSS Clus	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0124.COMP	10	05:54	13:33:22.0	+60:10:02	300	90	3.0	#172 SDSS Clus	2	
0125.cirfastb251	660	05:55	13:44:50.1	+59:25:26	300	90	3.0	#172 SDSS Clus	2	em
0126.COMP	10	06:07	13:44:50.1	+59:25:26	300	90	3.0	#172 SDSS Clus	2	
0127.16095874+5637424	360	06:08	16:09:58.7	+56:37:42	300	90	3.0	#141 Mapping t	2	em
0128.COMP	10	06:14	16:09:58.7	+56:37:42	300	90	3.0	#141 Mapping t	2	
0129.16112600+5555475	300	06:15	16:11:26.0	+55:55:47	300	90	3.0	#141 Mapping t	2	
0130.COMP	10	06:20	16:11:26.0	+55:55:47	300	90	3.0	#141 Mapping t	2	
0131.16131961+5628189	242	06:21	16:13:19.6	+56:28:19	300	90	3.0	#141 Mapping t	2	
0132.COMP	10	06:25	16:13:19.6	+56:28:19	300	90	3.0	#141 Mapping t	2	
0133.16134714+5616495	240	06:26	16:13:47.1	+56:16:50	300	90	3.0	#141 Mapping t	2	
0134.COMP	10	06:31	16:13:47.1	+56:16:50	300	90	3.0	#141 Mapping t	2	
0135.16113508+1637580	240	06:32	16:11:35.1	+16:37:58	300	90	3.0	#141 Mapping t	2	
0136.COMP	10	06:36	16:11:35.1	+16:37:58	300	90	3.0	#141 Mapping t	2	
0137.GWLib	720	06:39	15:19:55.5	-25:00:25	300	0	3.0	#148 Accretion	2	
0138.COMP	10	06:51	15:19:55.5	-25:00:25	300	0	3.0	#141 Mapping t	2	
0139.16475599+1526465	330	06:54	16:47:56.0	+15:26:46	300	0	3.0	#141 Mapping t	2	
0140.COMP	10	07:00	16:47:56.0	+15:26:46	300	0	3.0	#141 Mapping t	2	
0141.16241940+0434398	300	07:01	16:24:19.4	+04:34:40	300	0	3.0	#141 Mapping t	2	humidity increasing
0142.COMP	10	07:07	16:24:19.4	+04:34:40	300	0	3.0	#141 Mapping t	2	
0143.16270261+0310452	240	07:07	16:27:02.6	+03:10:45	300	0	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0144.COMP	10	07:12	16:27:02.6	+03:10:45	300	0	3.0	#141 Mapping t	2	
0145.16433850+0052271	594	07:13	16:43:38.5	+00:52:27	300	0	3.0	#141 Mapping t	2	exp cut short because dome closed, em ok
0146.COMP	10	07:23	16:43:38.5	+00:52:27	300	0	3.0	#141 Mapping t	2	
0147.sn2007bj	1800	07:26	16:22:10.6	-01:30:51	300	0	3.0	#2 SN Observat	2	
0148.COMP	10	07:56	16:22:10.6	-01:30:51	300	0	3.0	#141 Mapping t	2	
0149.16281970-0934217	420	07:57	16:28:19.7	-09:34:22	300	0	3.0	#141 Mapping t	2	
0150.COMP	10	08:05	16:28:19.7	-09:34:22	300	0	3.0	#141 Mapping t	2	
0151.16482691-0732373	900	08:06	16:48:26.9	-07:32:37	300	0	3.0	#141 Mapping t	2	weak em
0152.COMP	10	08:22	16:48:26.9	-07:32:37	300	0	3.0	#141 Mapping t	2	
0153.AS210	10	08:23	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0154.AS210	5	08:24	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0155.AS210	60	08:24	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0156.AS210	360	08:26	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0157.COMP	10	08:32	16:51:20.3	-26:00:33	300	0	3.0	#12 Symbiotic	2	
0158.Hen1341	10	08:33	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0159.Hen1341	60	08:33	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0160.Hen1341	180	08:35	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0161.COMP	10	08:38	17:08:36.0	-17:26:30	300	0	3.0	#12 Symbiotic	2	
0162.RSOph	2	08:39	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0163.RSOph	20	08:40	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0164.RS0ph	120	08:40	17:50:13.0	-06:42:30	300	0	3.0	#12 Symbiotic	2	
0165.COMP	10	08:43	17:50:13.0	-06:42:30	300	0	3.0	#2 SN Observat	2	
0166.psn2007mcg	1800	08:46	18:23:05.6	+29:54:01	300	90	3.0	#2 SN Observat	2	
0167.COMP	10	09:17	18:23:05.6	+29:54:01	300	90	3.0	#2 SN Observat	2	
0168.AGDra	2	09:18	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0169.AGDra	15	09:19	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0170.AGDra	45	09:19	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0171.COMP	10	09:20	16:01:41.0	+66:48:10	300	90	3.0	#12 Symbiotic	2	
0172.test	15	09:24	18:05:00.0	+32:00:00	1200	90	2.0	#12 Symbiotic	2	1200-line, 2-sec, GG495, Zezas
0173.KS1947p300	1200	09:28	19:49:30.5	+30:12:24	1200	100	2.0	#176 Be/X-ray	2	
0174.COMP	15	09:49	19:49:30.5	+30:12:24	1200	100	2.0	#176 Be/X-ray	2	
0175.XTEJ1946p274	1800	09:51	19:45:39.3	+27:21:55	1200	100	2.0	#176 Be/X-ray	2	seeing worse
0176.COMP	15	10:21	19:45:39.3	+27:21:55	1200	100	2.0	#176 Be/X-ray	2	
0177.GROJ2058p42	1200	10:23	20:58:47.0	+41:46:36	1200	90	2.0	#176 Be/X-ray	2	
0178.COMP	15	10:43	20:58:47.0	+41:46:36	1200	90	2.0	#176 Be/X-ray	2	
0179.SAXJ21035p4545	900	10:44	21:03:35.7	+45:45:05	1200	90	2.0	#176 Be/X-ray	2	
0180.COMP	15	10:59	21:03:35.7	+45:45:05	1200	90	2.0	#176 Be/X-ray	2	
0181.4U2204p543	300	11:00	22:07:57.0	+54:31:06	1200	90	2.0	#176 Be/X-ray	2	
0182.COMP	15	11:06	22:07:57.0	+54:31:06	1200	90	2.0	#176 Be/X-ray	2	
0183.HD192281	15	11:07	20:12:33.1	+40:16:06	1200	90	2.0	#176 Be/X-ray	2	

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<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0184.HD192281	45	11:07	20:12:33.1	+40:16:06	1200	90	2.0	#176 Be/X-ray	2	
0185.HD192281	45	11:08	20:12:33.1	+40:16:06	1200	90	2.0	#176 Be/X-ray	2	
0186.COMP	15	11:10	20:12:33.1	+40:16:06	1200	90	2.0	#176 Be/X-ray	2	
0187-0196.FLAT	60	11:23	20:12:33.1	+40:16:06	1200	90	2.0	#176 Be/X-ray	2	
0197-0206.BIAS	0	11:26	20:12:33.1	+40:16:06	1200	90	2.0	#12 Symbiotic	2	
0207.test	10	11:29	20:12:33.1	+40:16:06	300	90	3.0	#12 Symbiotic	2	
0208.test	10	11:31	20:12:33.1	+40:16:06	300	90	3.0	#12 Symbiotic	2	
0209.test	10	11:32	20:12:33.1	+40:16:06	300	90	3.0	#12 Symbiotic	2	300-line, 3-sec, combo ok
0210-0214.DARK	900	12:37	20:12:33.1	+40:16:06	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	02:41	10:19:26.0	+31:31:58	300	90	3.0	#12 Symbiotic	4	
0006-0015.BIAS	0	03:01	10:19:26.0	+31:31:58	300	90	3.0	#12 Symbiotic	4	
0016-0025.FLAT	12	03:05	10:19:26.0	+31:31:58	300	90	3.0	#12 Symbiotic	4	
0026-0035.BIAS	0	03:08	10:19:26.0	+31:31:58	300	90	3.0	#12 Symbiotic	2	
0036-0055.FLAT	24	03:20	10:19:26.0	+31:31:58	300	90	3.0	#12 Symbiotic	2	
0056.Feige34	120	03:28	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	4	
0057.COMP	5	03:30	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	4	
0058.Feige34	120	03:31	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0059.COMP	12	03:34	10:39:36.9	+43:06:11	300	110	3.0	#56 Spectropho	2	
0060.sn2007bc	1800	03:39	11:19:14.6	+20:48:33	300	47	3.0	#2 SN Observat	2	row=92
0061.COMP	12	04:10	11:19:14.6	+20:48:33	300	47	3.0	#2 SN Observat	2	
0062.sn2007ci	1800	04:13	11:45:45.9	+19:46:14	300	48	3.0	#2 SN Observat	2	
0063.COMP	12	04:44	11:45:45.9	+19:46:14	300	48	3.0	#2 SN Observat	2	
0064.TCrB	15	04:47	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0065.TCrB	60	04:48	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0066.COMP	12	04:49	15:59:30.0	+25:55:12	300	90	3.0	#12 Symbiotic	2	
0067.cirsfastb127	1800	04:53	10:51:46.1	+55:20:01	300	90	3.0	#172 SDSS Clus	2	
0068.COMP	12	05:24	10:51:46.1	+55:20:01	300	90	3.0	#172 SDSS Clus	2	
0069.cirsfastb128	900	05:27	10:51:55.5	+55:23:27	300	100	3.0	#172 SDSS Clus	2	
0070.COMP	12	05:42	10:51:55.5	+55:23:27	300	100	3.0	#172 SDSS Clus	2	

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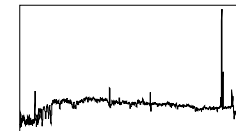
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0071.cirsfastb129	1500	05:46	10:52:02.8	+55:36:04	300	90	3.0	#172 SDSS Clus	2	
0072.COMP	12	06:11	10:52:02.8	+55:36:04	300	90	3.0	#172 SDSS Clus	2	
0073.cirsfastb130	480	06:13	10:53:22.9	+56:18:52	300	90	3.0	#172 SDSS Clus	2	
0074.COMP	12	06:22	10:53:22.9	+56:18:52	300	90	3.0	#172 SDSS Clus	2	
0075.cirsfastb131	540	06:23	10:53:37.7	+54:52:02	300	80	3.0	#172 SDSS Clus	2	need more cnts, try again
0076.COMP	12	06:33	10:53:37.7	+54:52:02	300	80	3.0	#172 SDSS Clus	2	
0077.cirsfastb131	900	06:34	10:53:37.7	+54:52:02	300	80	3.0	#172 SDSS Clus	2	
0078.COMP	12	06:49	10:53:37.7	+54:52:02	300	80	3.0	#172 SDSS Clus	2	
0079.sn2007af	1500	06:54	14:22:21.0	-00:23:38	300	27	3.0	#2 SN Observat	2	
0080.COMP	12	07:20	14:22:21.0	-00:23:38	300	27	3.0	#2 SN Observat	2	
0081.XS04163B2_006	1800	07:25	14:15:12.6	+36:08:13	300	90	3.0	#129 CHAMP Sou	2	
0082.COMP	12	07:57	14:15:12.6	+36:08:13	300	90	3.0	#129 CHAMP Sou	2	
0083.XS04163B2_004	2100	08:03	14:15:23.6	+36:09:36	300	90	3.0	#129 CHAMP Sou	2	
0084.COMP	12	08:38	14:15:23.6	+36:09:36	300	90	3.0	#129 CHAMP Sou	2	
0085.BDp332642	60	08:41	15:52:00.0	+32:56:54	300	88	3.0	#56 Spectropho	2	
0086.COMP	12	08:42	15:52:00.0	+32:56:54	300	88	3.0	#56 Spectropho	2	
0087.snNGC6479	1800	09:30	17:48:21.2	+54:09:05	300	0	3.0	#2 SN Observat	2	row=88
0088.COMP	12	10:00	17:48:21.2	+54:09:05	300	0	3.0	#2 SN Observat	2	
0089.16483472-0109353	300	10:03	16:48:34.7	-01:09:35	300	70	3.0	#141 Mapping t	2	
0090.COMP	12	10:09	16:48:34.7	-01:09:35	300	70	3.0	#141 Mapping t	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.16573950-1650172	1200	10:11	16:57:39.5	-16:50:17	300	90	3.0	#141 Mapping t	2	row=90
0092.COMP	12	10:33	16:57:39.5	-16:50:17	300	90	3.0	#141 Mapping t	2	
0093.16583361-0516008	720	10:35	16:58:33.6	-05:16:01	300	90	3.0	#141 Mapping t	2	
0094.COMP	12	10:47	16:58:33.6	-05:16:01	300	90	3.0	#141 Mapping t	2	
0095.17012714-0150555	240	10:49	17:01:27.1	-01:50:55	300	90	3.0	#141 Mapping t	2	
0096.COMP	12	10:53	17:01:27.1	-01:50:55	300	90	3.0	#141 Mapping t	2	
0097.17020886+1710255	120	10:55	17:02:08.9	+17:10:25	300	90	3.0	#141 Mapping t	2	
0098.COMP	12	10:57	17:02:08.9	+17:10:25	300	90	3.0	#141 Mapping t	2	
0099.17022653+5019144	480	11:00	17:02:26.5	+50:19:14	300	95	3.0	#141 Mapping t	2	
0100.COMP	12	11:08	17:02:26.5	+50:19:14	300	95	3.0	#141 Mapping t	2	
0101.BDp284211	50	11:32	21:51:11.1	+28:51:53	300	104	3.0	#56 Spectropho	2	
0102.COMP	12	11:34	21:51:11.1	+28:51:53	300	104	3.0	#56 Spectropho	2	
0103-0112.BIAS	0	11:37	21:51:11.1	+28:51:53	300	104	3.0	#12 Symbiotic	4	
0113-0122.FLAT	12	11:41	21:51:11.1	+28:51:53	300	104	3.0	#12 Symbiotic	4	
0123-0132.BIAS	0	11:43	21:51:11.1	+28:51:53	300	104	3.0	#12 Symbiotic	2	
0133-0152.FLAT	24	11:56	21:51:11.1	+28:51:53	300	104	3.0	#12 Symbiotic	2	
0153-0162.DARK	900	14:15	21:51:11.1	+28:51:53	300	104	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:38	07:59:53.4	+31:30:55	300	104	3.0	#12 Symbiotic	4	
0011-0020.BIAS	0	02:45	07:59:53.4	+31:30:55	300	104	3.0	#12 Symbiotic	4	
0021-0030.FLAT	12	02:49	07:59:53.4	+31:30:55	300	104	3.0	#12 Symbiotic	4	
0031-0040.BIAS	0	02:51	07:59:53.4	+31:30:55	300	104	3.0	#12 Symbiotic	2	
0041-0060.FLAT	24	03:03	07:59:53.4	+31:30:55	300	104	3.0	#12 Symbiotic	2	
0061.Feige34	120	03:18	10:39:36.9	+43:06:11	300	91	3.0	#56 Spectropho	4	
0062.COMP	5	03:21	10:39:36.9	+43:06:11	300	91	3.0	#56 Spectropho	4	
0063.Feige34	120	03:22	10:39:36.9	+43:06:11	300	109	3.0	#56 Spectropho	2	
0064.COMP	12	03:25	10:39:36.9	+43:06:11	300	109	3.0	#56 Spectropho	2	
0065.N4853	180	03:27	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0066.COMP	12	03:31	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	2	
0067.N3227	150	03:34	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0068.N3227	150	03:36	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0069.COMP	12	03:40	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0070.N4051	150	03:41	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0071.N4051	150	03:44	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0072.COMP	12	03:47	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0073.N4151	30	03:48	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0074.N4151	30	03:49	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0075.COMP	12	03:50	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	

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0076.sn2007bm	1500	03:53	11:25:02.3	-09:47:54	300	22	3.0	#2 SN Observat	2	
0077.COMP	12	04:19	11:25:02.3	-09:47:54	300	22	3.0	#2 SN Observat	2	
0078.sn2007ci	1800	04:23	11:45:45.9	+19:46:14	300	58	3.0	#2 SN Observat	2	
0079.COMP	12	04:53	11:45:45.9	+19:46:14	300	58	3.0	#2 SN Observat	2	
0080.sn2007ce	1800	04:57	12:10:18.0	+48:43:32	300	110	3.0	#2 SN Observat	2	try again
0081.COMP	12	05:28	12:10:18.0	+48:43:32	300	110	3.0	#2 SN Observat	2	
0082.sn2007ce	1800	05:29	12:10:18.0	+48:43:32	300	110	3.0	#2 SN Observat	2	
0083.COMP	12	05:59	12:10:18.0	+48:43:32	300	110	3.0	#2 SN Observat	2	
0084.MRK279	120	06:03	13:51:53.6	+69:33:13	300	90	3.0	#6 AGN Monitor	2	
0085.MRK279	120	06:05	13:51:53.6	+69:33:13	300	90	3.0	#6 AGN Monitor	2	
0086.COMP	12	06:07	13:51:53.6	+69:33:13	300	90	3.0	#6 AGN Monitor	2	
0087.N5548	150	06:09	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0088.N5548	150	06:12	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0089.N5548	150	06:14	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0090.COMP	12	06:17	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0091.cirs2fastb040	600	06:21	14:18:22.9	+49:36:14	300	90	3.0	#172 SDSS Clus	2	
0092.COMP	12	06:32	14:18:22.9	+49:36:14	300	90	3.0	#172 SDSS Clus	2	
0093.cirs2fastb041	600	06:33	14:18:27.3	+49:35:41	300	95	3.0	#172 SDSS Clus	2	
0094.COMP	12	06:44	14:18:27.3	+49:35:41	300	95	3.0	#172 SDSS Clus	2	
0095.cirs2fastb045	1200	06:45	14:21:28.8	+49:34:37	300	95	3.0	#172 SDSS Clus	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.COMP	12	07:06	14:21:28.8	+49:34:37	300	95	3.0	#172 SDSS Clus	2	
0097.cirs2fastb047	2100	07:11	14:21:29.4	+49:52:13	300	95	3.0	#172 SDSS Clus	2	
0098.COMP	12	07:47	14:21:29.4	+49:52:13	300	95	3.0	#172 SDSS Clus	2	
0099.BDp332642	50	07:50	15:52:00.0	+32:56:54	300	95	3.0	#56 Spectropho	2	
0100.BDp332642	50	07:51	15:52:00.0	+32:56:54	300	95	3.0	#56 Spectropho	2	
0101.COMP	12	07:52	15:52:00.0	+32:56:54	300	95	3.0	#56 Spectropho	2	
0102.cirs2fastb048	540	07:54	14:21:34.7	+49:33:06	300	60	3.0	#172 SDSS Clus	2	
0103.COMP	12	08:04	14:21:34.7	+49:33:06	300	60	3.0	#172 SDSS Clus	2	
0104.cirs2fastb049	1500	08:06	14:22:12.1	+49:50:33	300	90	3.0	#172 SDSS Clus	2	
0105.COMP	12	08:31	14:22:12.1	+49:50:33	300	90	3.0	#172 SDSS Clus	2	
0106.cirs2fastb050	1200	08:34	14:22:43.0	+49:42:02	300	90	3.0	#172 SDSS Clus	2	
0107.COMP	12	08:54	14:22:43.0	+49:42:02	300	90	3.0	#172 SDSS Clus	2	
0108.IPHAS_B578	720	09:00	18:54:34.0	-03:49:36	300	90	3.0	#157 IPHAS	2	row=87
0109.COMP	12	09:12	18:54:34.0	-03:49:36	300	90	3.0	#157 IPHAS	2	
0110.IPHAS_B579	600	09:16	18:54:13.6	-01:03:45	300	90	3.0	#157 IPHAS	2	
0111.COMP	12	09:27	18:54:13.6	-01:03:45	300	90	3.0	#157 IPHAS	2	
0112.IPHAS_B580	1200	09:30	18:54:12.3	-04:17:22	300	90	3.0	#157 IPHAS	2	row=86
0113.COMP	12	09:50	18:54:12.3	-04:17:22	300	90	3.0	#157 IPHAS	2	
0114.IPHAS_B581	1200	09:53	18:54:02.3	+00:26:11	300	90	3.0	#157 IPHAS	2	
0115.COMP	12	10:13	18:54:02.3	+00:26:11	300	90	3.0	#157 IPHAS	2	

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0116.17113598-2303057	1200	10:18	17:11:36.0	-23:03:06	300	90	3.0	#141 Mapping t	2	row=87
0117.COMP	12	10:39	17:11:36.0	-23:03:06	300	90	3.0	#141 Mapping t	2	
0118.17113881-2413494	1200	10:41	17:11:38.8	-24:13:49	300	90	3.0	#141 Mapping t	2	row=90
0119.COMP	12	11:02	17:11:38.8	-24:13:49	300	90	3.0	#141 Mapping t	2	
0120.3C390.3	300	11:07	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0121.3C390.3	300	11:12	18:42:09.0	+79:46:17	300	90	3.0	#6 AGN Monitor	2	
0122.COMP	12	11:18	18:42:09.0	+79:46:17	300	90	3.0	#56 Spectropho	2	
0123.BDp284211	50	11:20	21:51:11.1	+28:51:53	300	104	3.0	#56 Spectropho	2	
0124.BDp284211	50	11:21	21:51:11.1	+28:51:53	300	104	3.0	#56 Spectropho	2	
0125.COMP	12	11:23	21:51:11.1	+28:51:53	300	104	3.0	#56 Spectropho	2	
0126-0135.BIAS	0	11:27	21:51:11.1	+28:51:53	300	90	3.0	#12 Symbiotic	4	
0136-0145.FLAT	12	11:32	21:51:11.1	+28:51:53	300	90	3.0	#12 Symbiotic	4	
0146-0155.BIAS	0	11:35	21:51:11.1	+28:51:53	300	90	3.0	#12 Symbiotic	2	
0156-0175.FLAT	24	11:47	21:51:11.1	+28:51:53	300	90	3.0	#12 Symbiotic	2	
0176-0185.DARK	900	14:06	21:51:11.1	+28:51:53	300	90	3.0	#12 Symbiotic	2	