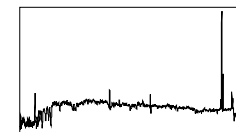
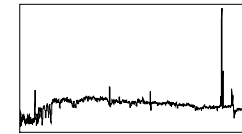
UT Date 2013-09-02 Observers P BerlindColl. Focus 1350 Grating/Grism 300

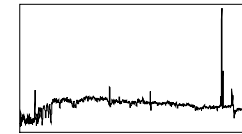
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.BIAS	0	21:44	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0006-0010.DARK	1200	23:11	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0011-0020.BIAS	0	01:52	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0021-0035.FLAT	7	01:57	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0036.BDp332642	150	03:13	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0037.BDp332642	150	03:17	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0038.COMP	10	03:20	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0039.HD142267	10	03:23	15:53:12.1	+13:11:48	300	58	3.0	#173 Small Sol	2	
0040.HD142267	10	03:24	15:53:12.1	+13:11:48	300	58	3.0	#173 Small Sol	2	
0041.HD142267	10	03:24	15:53:12.1	+13:11:48	300	58	3.0	#173 Small Sol	2	
0042.COMP	10	03:25	15:53:12.1	+13:11:48	300	58	3.0	0 Calibration	2	
0043.Comet.C2012.K1	1200	03:30	15:36:21.2	+16:42:24	300	62	3.0	#173 Small Sol	2	some thin clouds
0044.COMP	10	03:51	15:36:21.2	+16:42:24	300	62	3.0	0 Calibration	2	
0045.Comet.C2012.K1	1200	03:51	15:36:21.2	+16:42:24	300	62	3.0	#173 Small Sol	2	
0046.COMP	10	04:12	15:36:21.2	+16:42:24	300	62	3.0	0 Calibration	2	
0047.Comet.C2012.K1	1200	04:12	15:36:21.2	+16:42:24	300	62	3.0	#173 Small Sol	2	
0048.COMP	10	04:33	15:36:21.2	+16:42:24	300	62	3.0	0 Calibration	2	
0049.HD142267	5	04:35	15:53:12.1	+13:11:48	300	62	3.0	#173 Small Sol	2	
0050.HD142267	5	04:36	15:53:12.1	+13:11:48	300	62	3.0	#173 Small Sol	2	
0051.HD142267	5	04:36	15:53:12.1	+13:11:48	300	62	3.0	#173 Small Sol	2	

UT Date 2013-09-02 Observers P BerlindColl. Focus 1350 Grating/Grism 300

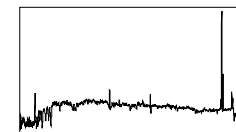
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.COMP	10	04:37	15:53:12.1	+13:11:48	300	62	3.0	0 Calibration	2	
0053.18283240+0820107	900	04:45	18:28:32.4	+08:20:11	300	90	3.0	#141 2MASS Red	2	
0054.COMP	10	05:01	18:28:32.4	+08:20:11	300	90	3.0	0 Calibration	2	
0055.18302138+0629255	900	05:02	18:30:21.4	+06:29:25	300	90	3.0	#141 2MASS Red	2	
0056.COMP	10	05:17	18:30:21.4	+06:29:25	300	90	3.0	0 Calibration	2	
0057.18311446+0655038	900	05:20	18:31:14.5	+06:55:04	300	73	3.0	#141 2MASS Red	2	
0058.COMP	10	05:35	18:31:14.5	+06:55:04	300	76	3.0	0 Calibration	2	
0059.18322780+0727585	900	05:37	18:32:27.8	+07:27:59	300	89	3.0	#141 2MASS Red	2	
0060.COMP	10	05:53	18:32:27.8	+07:27:59	300	90	3.0	0 Calibration	2	
0061.18332462+0850303	900	05:54	18:33:24.6	+08:50:30	300	90	3.0	#141 2MASS Red	2	
0062.COMP	10	06:10	18:33:24.6	+08:50:30	300	90	3.0	0 Calibration	2	
0063.19582803+4048174	120	06:13	19:58:28.0	+40:48:17	300	90	3.0	#141 2MASS Red	2	star plus faint galaxy
0064.COMP	10	06:15	19:58:28.0	+40:48:17	300	90	3.0	0 Calibration	2	
0065.20132279+5151502	1500	06:17	20:13:22.8	+51:51:50	300	90	3.0	#141 2MASS Red	2	
0066.COMP	10	06:43	20:13:22.8	+51:51:50	300	89	3.0	0 Calibration	2	
0067.20225291+2554188	1500	06:46	20:22:52.9	+25:54:19	300	105	3.0	#141 2MASS Red	2	
0068.COMP	10	07:12	20:22:52.9	+25:54:19	300	105	3.0	0 Calibration	2	
0069.20392203+2742407	900	07:14	20:39:22.0	+27:42:41	300	105	3.0	#141 2MASS Red	2	
0070.COMP	10	07:30	20:39:22.0	+27:42:41	300	105	3.0	0 Calibration	2	
0071.20395705+2600039	600	07:31	20:39:57.1	+26:00:04	300	91	3.0	#141 2MASS Red	2	

UT Date 2013-09-02 Observers P BerlindColl. Focus 1350 Grating/Grism 300

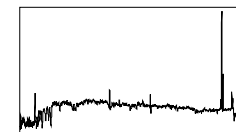
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0072.COMP	10	07:41	20:39:57.1	+26:00:04	300	90	3.0	0 Calibration	2	
0073.back58	720	07:45	01:57:21.5	+16:07:50	300	90	3.0	#216 Local Com	2	
0074.COMP	10	07:58	01:57:21.5	+16:07:50	300	90	3.0	0 Calibration	2	
0075.back61	1500	07:59	01:58:21.9	+16:33:34	300	90	3.0	#216 Local Com	2	
0076.COMP	10	08:25	01:58:21.9	+16:33:34	300	90	3.0	0 Calibration	2	
0077.back52	1500	08:26	01:58:48.5	+15:07:56	300	90	3.0	#216 Local Com	2	
0078.COMP	10	08:52	01:58:48.5	+15:07:56	300	89	3.0	0 Calibration	2	
0079.back30	1800	08:55	01:59:34.4	+15:27:19	300	89	3.0	#216 Local Com	2	
0080.COMP	10	09:25	01:59:34.4	+15:27:19	300	89	3.0	0 Calibration	2	
0081-0090.BIAS	0	09:31	01:59:34.4	+15:27:19	300	89	3.0	0 Calibration	2	
0091-0105.FLAT	7	09:36	01:59:34.4	+15:27:19	300	89	3.0	0 Calibration	2	

UT Date 2013-09-03 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

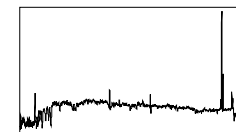
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.DARK	900	01:52	16:40:04.6	+31:31:47	300	90	3.0	0 Calibration	4	
0004-0013.BIAS	0	02:12	16:40:04.6	+31:31:47	300	90	3.0	0 Calibration	4	
0014-0033.FLAT	7	02:25	16:40:04.6	+31:31:47	300	90	3.0	0 Calibration	2	
0034-0043.BIAS	0	02:27	16:40:04.6	+31:31:47	300	90	3.0	0 Calibration	2	
0044.BDp262606	90	02:35	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0045.COMP	10	02:38	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0046.BDp332642	120	02:40	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0047.COMP	10	02:43	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0048.A00981.2	1500	02:47	14:30:43.2	+49:35:00	300	90	3.0	#216 Local Com	2	
0049.COMP	10	03:13	14:30:43.2	+49:35:00	300	91	3.0	0 Calibration	2	
0050.A01391.2	1500	03:17	14:46:25.0	+61:28:13	300	91	3.0	#216 Local Com	2	
0051.COMP	10	03:43	14:46:25.0	+61:28:13	300	90	3.0	0 Calibration	2	
0052.A01235.1	1500	03:45	17:41:17.6	+58:36:41	300	90	3.0	#216 Local Com	2	
0053.COMP	10	04:10	17:41:17.6	+58:36:41	300	90	3.0	0 Calibration	2	
0054.A00108.1	1200	04:13	17:47:29.9	+56:51:18	300	80	3.0	#216 Local Com	2	
0055.COMP	10	04:34	17:47:29.9	+56:51:18	300	81	3.0	0 Calibration	2	
0056.lmwd462	1290	04:45	20:32:16.7	+03:56:31	600	-10	1.5	#178 Low Mass	4	PA = -10
0057.COMP	10	05:09	20:32:16.7	+03:56:31	600	-11	1.5	0 Calibration	4	
0058.lmwd462	1290	05:10	20:32:16.7	+03:56:31	600	4	1.5	#178 Low Mass	4	PA = 4
0059.COMP	10	05:32	20:32:16.7	+03:56:31	600	4	1.5	0 Calibration	4	

UT Date 2013-09-03 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0060.lmwd462	1290	05:33	20:32:16.7	+03:56:31	600	15	1.5	#178 Low Mass	4	PA = 15
0061.COMP	10	05:55	20:32:16.7	+03:56:31	600	14	1.5	0 Calibration	4	
0062.lmwd462	1290	05:56	20:32:16.7	+03:56:31	600	24	1.5	#178 Low Mass	4	PA = 24
0063.COMP	10	06:18	20:32:16.7	+03:56:31	600	24	1.5	0 Calibration	4	
0064.lmwd462	1290	06:19	20:32:16.7	+03:56:31	600	34	1.5	#178 Low Mass	4	PA = 35
0065.COMP	10	06:41	20:32:16.7	+03:56:31	600	34	1.5	0 Calibration	4	
0066.lmwd462	1290	06:42	20:32:16.7	+03:56:31	600	39	1.5	#178 Low Mass	4	PA = 40
0067.COMP	10	07:05	20:32:16.7	+03:56:31	600	40	1.5	0 Calibration	4	
0068.lmwd462	1290	07:06	20:32:16.7	+03:56:31	600	42	1.5	#178 Low Mass	4	PA = 42
0069.COMP	10	07:28	20:32:16.7	+03:56:31	600	42	1.5	0 Calibration	4	
0070.lmwd462	1290	07:29	20:32:16.7	+03:56:31	600	48	1.5	#178 Low Mass	4	PA = 48
0071.COMP	10	07:51	20:32:16.7	+03:56:31	600	48	1.5	0 Calibration	4	
0072.lmwd462	1290	07:52	20:32:16.7	+03:56:31	600	47	1.5	#178 Low Mass	4	PA = 48
0073.COMP	10	08:13	20:32:16.7	+03:56:31	600	48	1.5	0 Calibration	4	
0074.Feige110	300	08:17	23:19:58.4	-05:09:56	600	8	1.5	#178 Low Mass	4	PA = 8
0075.COMP	10	08:23	23:19:58.4	-05:09:56	600	8	1.5	0 Calibration	4	
0076-0085.FLAT	12	08:29	23:19:58.4	-05:09:56	600	89	1.5	0 Calibration	4	
0086.sn2013dy	900	08:37	22:18:17.6	+40:34:10	300	89	3.0	#2 SN Observat	2	
0087.COMP	10	08:53	22:18:17.6	+40:34:10	300	90	3.0	0 Calibration	2	
0088.BDp284211	120	08:55	21:51:11.0	+28:51:50	300	75	3.0	#56 Spectropho	2	

UT Date 2013-09-03 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

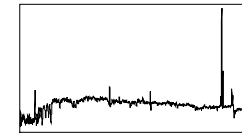
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0089.COMP	10	08:58	21:51:11.0	+28:51:50	300	76	3.0	0 Calibration	2	
0090.BDp174708	60	09:02	22:11:31.4	+18:05:34	300	61	3.0	#56 Spectropho	2	
0091.COMP	10	09:04	22:11:31.4	+18:05:34	300	60	3.0	0 Calibration	2	
0092.back03	1200	09:07	01:18:02.2	+01:23:09	300	89	3.0	#216 Local Com	2	
0093.COMP	10	09:27	01:18:02.2	+01:23:09	300	89	3.0	0 Calibration	2	
0094.back63	1800	09:29	01:59:00.3	+16:15:52	300	89	3.0	#216 Local Com	2	
0095.COMP	10	09:59	01:59:00.3	+16:15:52	300	90	3.0	0 Calibration	2	
0096.back28	1200	10:01	01:59:10.4	+16:11:11	300	90	3.0	#216 Local Com	2	
0097.COMP	10	10:22	01:59:10.4	+16:11:11	300	90	3.0	0 Calibration	2	
0098.back16	1200	10:23	01:59:37.4	+15:07:18	300	80	3.0	#216 Local Com	2	
0099.COMP	10	10:44	01:59:37.4	+15:07:18	300	81	3.0	0 Calibration	2	
0100.back55	1500	10:45	01:59:54.1	+15:18:47	300	81	3.0	#216 Local Com	2	
0101.COMP	10	11:11	01:59:54.1	+15:18:47	300	81	3.0	0 Calibration	2	
0102.back60	1800	11:13	02:00:10.3	+16:11:32	300	89	3.0	#216 Local Com	2	
0103.COMP	10	11:43	02:00:10.3	+16:11:32	300	90	3.0	0 Calibration	2	
0104.back48	1800	11:45	02:00:10.6	+15:05:30	300	90	3.0	#216 Local Com	2	
0105.COMP	10	12:16	02:00:10.6	+15:05:30	300	90	3.0	0 Calibration	2	
0106.HD19445	25	12:18	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0107.COMP	10	12:19	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0108.HD19445	10	12:20	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	



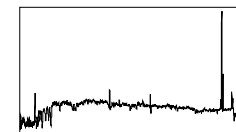
UT Date 2013-09-03 Observers M Calkins

Coll. Focus 1350 Grating/Grism 300

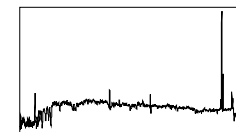
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0109.COMP	10	12:20	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0110.G191B2B	180	12:22	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0111.COMP	10	12:26	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0112-0121.BIAS	0	12:40	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0122-0141.FLAT	7	12:48	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0142-0151.BIAS	0	12:52	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	
0152-0161.DARK	900	15:11	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	

UT Date 2013-09-04 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

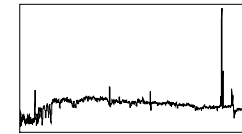
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:42	14:30:32.4	+31:33:57	300	90	3.0	0 Calibration	4	
0011-0020.BIAS	0	02:22	14:30:32.4	+31:33:57	300	90	3.0	0 Calibration	4	
0021-0040.FLAT	7	03:09	18:06:35.7	+31:30:04	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	03:13	18:06:35.7	+31:30:04	300	90	3.0	0 Calibration	2	
0051.BDp284211	120	07:40	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	07:42	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0053.BDp174708	50	07:44	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0054.COMP	10	07:45	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0055.sn2013dy	1200	07:47	22:18:17.6	+40:34:10	300	89	3.0	#2 SN Observat	2	
0056.COMP	10	08:08	22:18:17.6	+40:34:10	300	90	3.0	0 Calibration	2	
0057.sn2013fb	1500	08:10	02:22:42.1	+28:16:01	300	90	3.0	#2 SN Observat	2	
0058.COMP	10	08:35	02:22:42.1	+28:16:01	300	82	3.0	0 Calibration	2	
0059.361071	300	08:46	01:24:38.4	+69:07:17	300	82	3.0	#173 Small Sol	2	
0060.361071	300	08:51	01:24:38.4	+69:07:17	300	82	3.0	#173 Small Sol	2	
0061.361071	300	08:56	01:24:38.4	+69:07:17	300	82	3.0	#173 Small Sol	2	
0062.COMP	10	09:02	01:24:38.4	+69:07:17	300	82	3.0	0 Calibration	2	
0063.HD10307	2	09:04	01:41:47.2	+42:36:48	300	82	3.0	#173 Small Sol	2	
0064.HD10307	0	09:04	01:41:47.2	+42:36:48	300	82	3.0	#173 Small Sol	2	
0065.COMP	10	09:05	01:41:47.2	+42:36:48	300	82	3.0	0 Calibration	2	
0066.lmwd504	600	09:09	01:08:30.0	+44:10:24	600	82	1.5	#178 Low Mass	4	

UT Date 2013-09-04 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

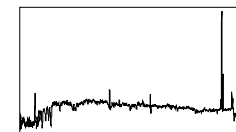
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	09:20	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0068.lmwd504	600	09:20	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0069.COMP	10	09:31	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0070.lmwd504	600	09:32	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0071.COMP	10	09:42	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0072.lmwd504	600	09:43	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0073.COMP	10	09:54	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0074.lmwd504	600	09:54	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0075.COMP	10	10:06	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0076.lmwd504	600	10:07	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0077.COMP	10	10:17	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0078.lmwd504	600	10:18	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0079.COMP	10	10:28	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0080.lmwd504	600	10:29	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0081.COMP	10	10:40	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0082.lmwd504	600	10:40	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0083.COMP	10	10:51	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0084.lmwd504	600	10:52	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0085.COMP	10	11:02	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0086.lmwd504	600	11:03	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	

UT Date 2013-09-04 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

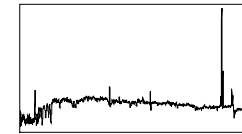
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.COMP	10	11:13	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0088.lmwd504	600	11:14	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0089.COMP	10	11:25	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0090.lmwd504	600	11:25	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0091.COMP	10	11:36	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0092.lmwd504	600	11:37	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0093.COMP	10	11:47	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0094.lmwd504	600	11:48	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0095.COMP	10	11:59	01:08:30.0	+44:10:24	600	89	1.5	0 Calibration	4	
0096.lmwd504	600	12:00	01:08:30.0	+44:10:24	600	89	1.5	#178 Low Mass	4	
0097.COMP	10	12:10	01:08:30.0	+44:10:24	600	90	1.5	0 Calibration	4	
0098.G191B2B	300	12:12	05:05:30.6	+52:49:52	600	90	1.5	#56 Spectropho	4	
0099.COMP	10	12:18	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0100-0109.BIAS	0	12:25	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0110-0119.FLAT	12	12:30	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0120-0129.BIAS	0	12:47	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0130-0149.FLAT	7	12:53	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0150-0159.DARK	900	15:15	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	

UT Date 2013-09-05 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

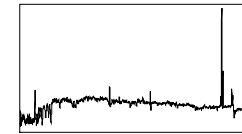
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0001-0010.DARK	900	02:01	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	
0011-0020.BIAS	0	02:18	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	
0022-0041.FLAT	7	02:33	17:59:45.6	+31:30:12	300	90	3.0	0 Calibration	2	
0042-0051.BIAS	0	02:35	17:59:45.6	+31:30:12	300	90	3.0	0 Calibration	2	
0052.kinman	600	02:40	17:20:33.4	+58:55:13	300	90	3.0	#178 Low Mass	2	
0053.COMP	10	02:51	17:20:33.4	+58:55:13	300	89	3.0	0 Calibration	2	
0054.A00209.1	1020	02:54	14:49:24.6	+25:59:07	300	89	3.0	#216 Local Com	2	
0055.COMP	10	03:12	14:49:24.6	+25:59:07	300	90	3.0	0 Calibration	2	
0056.A01366.2	1260	03:14	14:51:55.4	+46:44:54	300	90	3.0	#216 Local Com	2	
0057.COMP	10	03:35	14:51:55.4	+46:44:54	300	90	3.0	0 Calibration	2	
0058.A01591.1	1620	03:37	14:54:16.5	+41:07:57	300	90	3.0	#216 Local Com	2	
0059.COMP	10	04:05	14:54:16.5	+41:07:57	300	90	3.0	0 Calibration	2	
0060.A01036.1	1200	04:07	14:56:37.2	+61:50:58	300	90	3.0	#216 Local Com	2	
0061.COMP	10	04:29	14:56:37.2	+61:50:58	300	90	3.0	0 Calibration	2	
0062.DracoC1	1200	04:54	17:19:58.0	+57:50:06	300	89	3.0	#12 Symbiotic	2	
0063.COMP	10	05:15	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0064.RSOph	10	05:17	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0065.RSOph	60	05:18	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0066.RSOph	150	05:19	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0067.COMP	10	05:22	17:50:13.0	-06:42:30	300	89	3.0	0 Calibration	2	

UT Date 2013-09-05 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

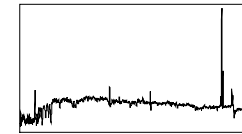
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.AS270	60	05:24	18:05:33.7	-20:20:38	300	89	3.0	#12 Symbiotic	2	
0069.AS270	300	05:25	18:05:33.7	-20:20:38	300	89	3.0	#12 Symbiotic	2	
0070.COMP	10	05:34	18:05:33.7	-20:20:38	300	90	3.0	0 Calibration	2	
0071.BDp284211	90	05:36	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0072.COMP	10	05:38	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0073.BDp174708	50	05:39	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0074.COMP	10	05:41	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0075.sn2013dy	1020	05:43	22:18:17.6	+40:34:10	300	90	3.0	#2 SN Observat	2	
0076.COMP	10	06:00	22:18:17.6	+40:34:10	300	89	3.0	0 Calibration	2	
0077.N7331	120	06:02	22:37:04.1	+34:24:56	300	89	3.0	#57 Velocity S	2	
0078.COMP	10	06:05	22:37:04.1	+34:24:56	300	90	3.0	0 Calibration	2	
0079.lmwd483	1380	06:11	21:51:59.2	+16:14:49	600	90	1.5	#178 Low Mass	4	
0080.COMP	10	06:34	21:51:59.2	+16:14:49	600	90	1.5	0 Calibration	4	
0081.lmwd483	1380	06:35	21:51:59.2	+16:14:49	600	89	1.5	#178 Low Mass	4	
0082.COMP	10	06:59	21:51:59.2	+16:14:49	600	89	1.5	0 Calibration	4	
0083.lmwd483	1380	07:00	21:51:59.2	+16:14:49	600	89	1.5	#178 Low Mass	4	
0084.COMP	10	07:24	21:51:59.2	+16:14:49	600	89	1.5	0 Calibration	4	
0085.lmwd483	1380	07:25	21:51:59.2	+16:14:49	600	89	1.5	#178 Low Mass	4	
0086.COMP	10	07:48	21:51:59.2	+16:14:49	600	90	1.5	0 Calibration	4	
0087.lmwd483	1380	07:49	21:51:59.2	+16:14:49	600	90	1.5	#178 Low Mass	4	

UT Date 2013-09-05 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

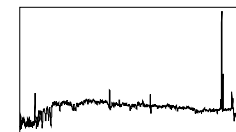
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	10	08:13	21:51:59.2	+16:14:49	600	90	1.5	0 Calibration	4	
0089.lmwd483	1380	08:14	21:51:59.2	+16:14:49	600	90	1.5	#178 Low Mass	4	
0090.COMP	10	08:37	21:51:59.2	+16:14:49	600	90	1.5	0 Calibration	4	
0091.lmwd483	1380	08:38	21:51:59.2	+16:14:49	600	90	1.5	#178 Low Mass	4	
0092.COMP	10	09:02	21:51:59.2	+16:14:49	600	90	1.5	0 Calibration	4	
0093.lmwd483	1380	09:03	21:51:59.2	+16:14:49	600	90	1.5	#178 Low Mass	4	
0094.COMP	10	09:26	21:51:59.2	+16:14:49	600	90	1.5	0 Calibration	4	
0095.BDp284211	120	09:28	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	
0096.COMP	10	09:31	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0097-0106.FLAT	12	09:35	21:51:11.0	+28:51:50	600	90	1.5	0 Calibration	4	
0107.back32	900	09:44	02:00:57.2	+15:20:38	300	90	3.0	#216 Local Com	2	
0108.COMP	10	10:00	02:00:57.2	+15:20:38	300	90	3.0	0 Calibration	2	
0109.back40	1800	10:01	02:01:10.5	+15:31:04	300	90	3.0	#216 Local Com	2	
0110.COMP	10	10:32	02:01:10.5	+15:31:04	300	89	3.0	0 Calibration	2	
0111.9950	600	10:35	02:57:00.8	+60:26:16	300	89	3.0	#173 Small Sol	2	
0112.9950	600	10:52	02:57:00.8	+60:26:16	300	0	3.0	#173 Small Sol	2	
0113.9950	600	11:02	02:57:00.8	+60:26:16	300	0	3.0	#173 Small Sol	2	
0114.COMP	10	11:13	02:57:00.8	+60:26:16	300	0	3.0	0 Calibration	2	
0115.24445	300	11:18	03:03:31.0	+41:28:24	300	0	3.0	#173 Small Sol	2	
0116.24445	300	11:23	03:03:31.0	+41:28:24	300	0	3.0	#173 Small Sol	2	

UT Date 2013-09-05 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

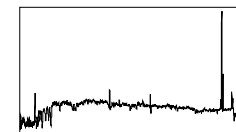
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0117.24445	300	11:28	03:03:31.0	+41:28:24	300	0	3.0	#173 Small Sol	2	
0118.COMP	10	11:34	03:03:31.0	+41:28:24	300	0	3.0	0 Calibration	2	
0119.sn2013fb	1200	11:36	02:22:42.1	+28:16:01	300	91	3.0	#2 SN Observat	2	
0120.COMP	10	11:57	02:22:42.1	+28:16:01	300	90	3.0	0 Calibration	2	
0121.G191B2B	300	12:11	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0122.COMP	10	12:16	05:05:30.6	+52:49:52	300	88	3.0	0 Calibration	2	
0123.HD19445	10	12:18	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	
0124.COMP	10	12:19	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0125-0134.BIAS	0	12:26	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0135-0154.FLAT	7	12:33	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0155-0164.DARK	900	14:53	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	

UT Date 2013-09-06 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

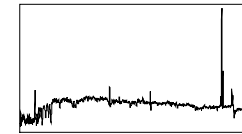
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:18	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	4	
0011-0020.BIAS	0	02:20	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	4	
0021-0040.FLAT	7	02:32	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:34	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0051.A00630.1	1200	04:01	15:17:00.6	+15:33:59	300	88	3.0	#216 Local Com	2	
0052.COMP	10	04:22	15:17:00.6	+15:33:59	300	90	3.0	0 Calibration	2	
0053.sn2013dy	1200	04:45	22:18:17.6	+40:34:10	300	90	3.0	#2 SN Observat	2	
0054.COMP	10	05:07	22:18:17.6	+40:34:10	300	90	3.0	0 Calibration	2	
0055.Hen1591	120	05:12	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0056.Hen1591	300	05:14	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0057.COMP	10	05:20	18:07:32.0	-25:53:43	300	91	3.0	0 Calibration	2	
0058.AS281	60	05:21	18:10:44.0	-27:57:51	300	91	3.0	#12 Symbiotic	2	
0059.AS281	360	05:22	18:10:44.0	-27:57:51	300	91	3.0	#12 Symbiotic	2	
0060.COMP	10	05:29	18:10:44.0	-27:57:51	300	90	3.0	0 Calibration	2	
0061.Hen1674	120	05:32	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	row=78
0062.Hen1674	600	05:34	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	
0063.COMP	10	05:45	18:20:19.1	-26:22:46	300	90	3.0	0 Calibration	2	
0064.BDp284211	100	05:48	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0065.COMP	10	05:53	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0066.BDp174708	45	05:55	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	

UT Date 2013-09-06 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

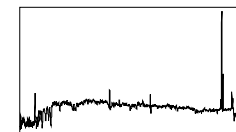
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	05:56	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0068.lmwd480	730	06:03	21:39:07.4	+22:27:09	600	80	1.5	#178 Low Mass	4	
0069.COMP	10	06:16	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0070.lmwd480	730	06:16	21:39:07.4	+22:27:09	600	80	1.5	#178 Low Mass	4	
0071.COMP	10	06:29	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0072.lmwd480	730	06:30	21:39:07.4	+22:27:09	600	80	1.5	#178 Low Mass	4	
0073.COMP	10	06:43	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0074.lmwd480	730	06:44	21:39:07.4	+22:27:09	600	81	1.5	#178 Low Mass	4	
0075.COMP	10	06:56	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0076.lmwd480	730	06:57	21:39:07.4	+22:27:09	600	80	1.5	#178 Low Mass	4	
0077.COMP	10	07:10	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0078.lmwd480	730	07:10	21:39:07.4	+22:27:09	600	80	1.5	#178 Low Mass	4	
0079.COMP	10	07:23	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0080.lmwd480	730	07:24	21:39:07.4	+22:27:09	600	80	1.5	#178 Low Mass	4	
0081.COMP	10	07:36	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0082.lmwd480	730	07:37	21:39:07.4	+22:27:09	600	80	1.5	#178 Low Mass	4	
0083.COMP	10	07:50	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0084.lmwd480	730	07:51	21:39:07.4	+22:27:09	600	81	1.5	#178 Low Mass	4	
0085.COMP	10	08:03	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0086.lmwd480	730	08:04	21:39:07.4	+22:27:09	600	80	1.5	#178 Low Mass	4	

UT Date 2013-09-06 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

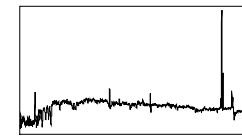
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.COMP	10	08:17	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0088.lmwd480	730	08:17	21:39:07.4	+22:27:09	600	80	1.5	#178 Low Mass	4	
0089.COMP	10	08:30	21:39:07.4	+22:27:09	600	81	1.5	0 Calibration	4	
0090.lmwd480	730	08:31	21:39:07.4	+22:27:09	600	81	1.5	#178 Low Mass	4	
0091.COMP	10	08:44	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0092.lmwd480	730	08:45	21:39:07.4	+22:27:09	600	80	1.5	#178 Low Mass	4	
0093.COMP	10	08:57	21:39:07.4	+22:27:09	600	81	1.5	0 Calibration	4	
0094.lmwd480	730	08:58	21:39:07.4	+22:27:09	600	81	1.5	#178 Low Mass	4	
0095.COMP	10	09:11	21:39:07.4	+22:27:09	600	80	1.5	0 Calibration	4	
0096.G191B2B	360	09:14	05:05:30.6	+52:49:52	600	90	1.5	#56 Spectropho	4	
0097.COMP	10	09:21	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0098-0107.FLAT	12	09:25	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0108.sn2013fb	1500	09:33	02:22:42.1	+28:16:01	300	90	3.0	#2 SN Observat	2	
0109.COMP	10	09:59	02:22:42.1	+28:16:01	300	89	3.0	0 Calibration	2	
0110.back15	1200	10:01	02:01:40.8	+15:19:52	300	89	3.0	#216 Local Com	2	
0111.COMP	10	10:21	02:01:40.8	+15:19:52	300	89	3.0	0 Calibration	2	
0112.back21	900	10:25	02:02:02.8	+15:15:21	300	89	3.0	#216 Local Com	2	
0113.COMP	10	10:40	02:02:02.8	+15:15:21	300	89	3.0	0 Calibration	2	
0114.back14	1200	10:41	02:02:08.9	+15:39:54	300	89	3.0	#216 Local Com	2	
0115.COMP	10	11:02	02:02:08.9	+15:39:54	300	89	3.0	0 Calibration	2	

UT Date 2013-09-06 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

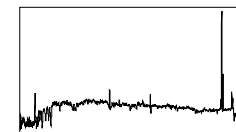
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0116.03140395+1020388	1020	11:03	03:14:03.9	+10:20:39	300	89	3.0	#141 2MASS Red	2	
0117.COMP	10	11:21	03:14:03.9	+10:20:39	300	89	3.0	0 Calibration	2	
0118.03174449+1039306	780	11:22	03:17:44.5	+10:39:31	300	90	3.0	#141 2MASS Red	2	
0119.COMP	10	11:35	03:17:44.5	+10:39:31	300	90	3.0	0 Calibration	2	
0120.03194206+1117169	780	11:37	03:19:42.1	+11:17:17	300	90	3.0	#141 2MASS Red	2	
0121.COMP	10	11:50	03:19:42.1	+11:17:17	300	90	3.0	0 Calibration	2	
0122.03242414+1446378	1200	11:52	03:24:24.1	+14:46:38	300	109	3.0	#141 2MASS Red	2	good rotation curves
0123.COMP	10	12:13	03:24:24.1	+14:46:38	300	109	3.0	0 Calibration	2	
0124-0133.BIAS	0	12:18	03:24:24.1	+14:46:38	300	109	3.0	0 Calibration	2	
0134-0153.FLAT	7	12:25	03:24:24.1	+14:46:38	300	109	3.0	0 Calibration	2	
0154-0163.DARK	900	14:46	03:24:24.1	+14:46:38	300	91	3.0	0 Calibration	2	

UT Date 2013-09-27 Observers HSHwang/GHLeeColl. Focus 1350 Grating/Grism 300

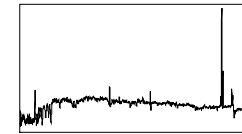
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:05	11:45:29.2	+31:35:08	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	23:10	11:45:29.2	+31:35:08	300	89	3.0	0 Calibration	2	
0026-0030.DARK	900	00:14	11:45:29.2	+31:35:08	300	89	3.0	0 Calibration	2	
0031.TCrB	15	02:12	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0031.TCrBq.ms	15	02:12	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	1	
0032.TCrB	60	02:13	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0032.TCrBq.ms	60	02:13	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	1	
0033.COMP	5	02:15	15:59:30.0	+25:55:12	300	89	3.0	0 Calibration	2	
0034.AS289	420	02:19	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	2	
0034.AS289q.ms	420	02:19	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	1	
0035.AS289	15	02:26	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	2	
0035.AS289q.ms	15	02:26	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	1	
0036.COMP	5	02:27	18:12:22.0	-11:40:08	300	89	3.0	0 Calibration	2	
0037.AGDra	60	02:34	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0037.AGDraq.ms	60	02:34	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	1	
0038.AGDra	15	02:36	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0039.AGDra	2	02:36	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0040.COMP	5	02:36	16:01:41.0	+66:48:10	300	89	3.0	0 Calibration	2	
0041.BDp284211	90	02:42	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0041.BDp284211q.ms	90	02:42	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	1	

UT Date 2013-09-27 Observers HSHwang/GHLeeColl. Focus 1350 Grating/Grism 300

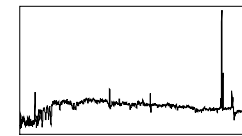
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0042.COMP	5	02:44	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0043.BDp174708	90	02:46	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0043.BDp174708q.ms	90	02:46	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	1	
0044.COMP	5	02:48	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0045.sn2013fj	1800	03:03	22:15:28.5	+15:34:04	300	89	3.0	#2 SN Observat	2	
0045.sn2013fjq.ms	1800	03:03	22:15:28.5	+15:34:04	300	89	3.0	#2 SN Observat	1	
0046.COMP	5	03:34	22:15:28.5	+15:34:04	300	89	3.0	0 Calibration	2	
0047.AS296	120	03:40	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0047.AS296q.ms	120	03:40	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	1	
0048.AS296	30	03:43	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0049.COMP	5	03:44	18:15:07.0	-00:18:52	300	89	3.0	0 Calibration	2	
0050.YYHer	10	03:47	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0050.YYHerq.ms	10	03:47	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	1	
0051.YYHer	60	03:47	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	Clouds-Not Usable
0051.YYHerq.ms	60	03:47	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	1	
0052.YYHer	60	04:15	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0052.YYHerq.ms	60	04:15	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	1	
0053.COMP	5	04:17	18:14:34.0	+20:59:19	300	89	3.0	0 Calibration	2	
0054.V443Her	5	04:19	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0054.V443Herq.ms	5	04:19	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	1	

UT Date 2013-09-27 Observers HSHwang/GHLeeColl. Focus 1350 Grating/Grism 300

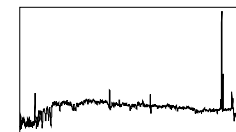
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0055.V443Her	45	04:19	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0056.V443Her	90	04:21	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0056.V443Herq.ms	90	04:21	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	1	
0057.COMP	5	04:23	18:22:07.0	+23:27:20	300	89	3.0	0 Calibration	2	
0058.AS338	600	04:30	19:03:47.0	+16:26:17	300	89	3.0	#12 Symbiotic	2	Close the dome after this exposure because of clouds and humidity
0058.AS338q.ms	600	04:30	19:03:47.0	+16:26:17	300	89	3.0	#12 Symbiotic	1	
0059.Asteroid.69.Hesperia	300	07:49	00:20:01.5	+02:11:02	300	89	3.0	#173 Small Sol	2	
0059.Asteroid.69.Hesperiaq.ms	300	07:49	00:20:01.5	+02:11:02	300	89	3.0	#173 Small Sol	1	
0060.Asteroid.69.Hesperia	300	07:54	00:20:01.5	+02:11:02	300	89	3.0	#173 Small Sol	2	
0060.Asteroid.69.Hesperiaq.ms	300	07:54	00:20:01.5	+02:11:02	300	89	3.0	#173 Small Sol	1	
0061.Asteroid.69.Hesperia	300	08:00	00:20:01.5	+02:11:02	300	89	3.0	#173 Small Sol	2	
0062.COMP	5	08:05	00:20:01.5	+02:11:02	300	89	3.0	0 Calibration	2	
0063.HD1461	1	08:10	00:18:41.9	-08:03:11	300	89	3.0	#173 Small Sol	2	
0063.HD1461q.ms	1	08:10	00:18:41.9	-08:03:11	300	89	3.0	#173 Small Sol	1	
0064.COMP	5	08:10	00:18:41.9	-08:03:11	300	89	3.0	0 Calibration	2	
0065.Asteroid.94.Aurora	450	08:21	00:24:06.5	+03:20:34	300	89	3.0	#173 Small Sol	2	
0065.Asteroid.94.Auroraq.ms	450	08:21	00:24:06.5	+03:20:34	300	89	3.0	#173 Small Sol	1	
0066.Asteroid.94.Aurora	450	08:29	00:24:06.5	+03:20:34	300	89	3.0	#173 Small Sol	2	
0067.Asteroid.94.Aurora	450	08:37	00:24:06.5	+03:20:34	300	89	3.0	#173 Small Sol	2	
0068.COMP	5	08:45	00:24:06.5	+03:20:34	300	89	3.0	0 Calibration	2	

UT Date 2013-09-27 Observers HSHwang/GHLeeColl. Focus 1350 Grating/Grism 300

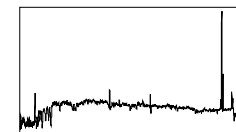
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.ZAnd	1	08:48	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0069.ZAndq.ms	1	08:48	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	1	
0070.ZAnd	5	08:48	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0071.ZAnd	30	08:49	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0071.ZAndq.ms	30	08:49	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	1	
0072.COMP	5	08:50	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0073.Pbcg022	1200	08:57	23:34:12.1	+05:56:11	300	89	3.0	#210 Brightest	2	Thick clouds
0074.COMP	5	09:18	23:34:12.1	+05:56:11	300	89	3.0	0 Calibration	2	
0075-0084.BIAS	0	12:39	23:50:46.9	+29:35:48	300	89	3.0	0 Calibration	2	
0085-0099.FLAT	7	12:43	23:50:46.9	+29:35:48	300	89	3.0	0 Calibration	2	
0100-0104.DARK	900	13:48	23:50:46.9	+29:35:48	300	89	3.0	0 Calibration	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	

UT Date 2013-09-28 Observers HSHwang/GHLeeColl. Focus 1350 Grating/Grism 300

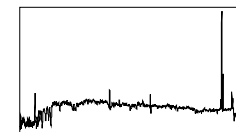
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	23:29	23:50:46.9	+29:35:48	300	89	3.0	0 Calibration	2	TEST
0001.COMPq.ms	5	23:29	23:50:46.9	+29:35:48	300	89	3.0	All	1	
0002-0011.BIAS	0	23:35	23:50:46.9	+29:35:48	300	89	3.0	0 Calibration	2	
0012-0026.FLAT	7	23:40	23:50:46.9	+29:35:48	300	89	3.0	0 Calibration	2	
0027-0031.DARK	900	00:44	23:50:46.9	+29:35:48	300	90	3.0	0 Calibration	2	
0032.AS338	90	02:15	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0032.AS338q.ms	90	02:15	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	1	
0033.AS338	600	02:17	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0033.AS338q.ms	600	02:17	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	1	
0034.COMP	5	02:28	19:03:47.0	+16:26:17	300	90	3.0	0 Calibration	2	
0035.V919Sgr	15	02:35	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0035.V919Sgrq.ms	15	02:35	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	1	
0036.V919Sgr	30	02:35	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0036.V919Sgrq.ms	30	02:35	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	1	
0037.COMP	5	02:36	19:03:45.0	-16:59:56	300	90	3.0	0 Calibration	2	
0038.BDp284211	90	02:39	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0038.BDp284211q.ms	90	02:39	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	1	
0039.COMP	5	02:41	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0040.BDp174708	90	02:46	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0040.BDp174708q.ms	90	02:46	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	1	

UT Date 2013-09-28 Observers HSHwang/GHLeeColl. Focus 1350 Grating/Grism 300

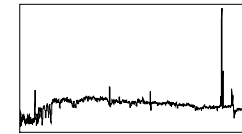
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0041.COMP	5	02:49	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0042.Pbcg030	900	02:52	17:16:41.0	+42:42:03	300	90	3.0	#210 Brightest	2	
0042.Pbcg030q.ms	900	02:52	17:16:41.0	+42:42:03	300	90	3.0	#210 Brightest	1	
0043.COMP	5	03:08	17:16:41.0	+42:42:03	300	90	3.0	0 Calibration	2	
0043.COMPq.ms	5	03:08	17:16:41.0	+42:42:03	300	90	3.0	#210 Brightest	1	
0044.Pbcg031	900	03:12	17:46:55.3	+45:42:39	300	89	3.0	#210 Brightest	2	
0044.Pbcg031q.ms	900	03:12	17:46:55.3	+45:42:39	300	89	3.0	#210 Brightest	1	
0045.COMP	5	03:28	17:46:55.3	+45:42:39	300	89	3.0	0 Calibration	2	
0046.Pbcg032	500	03:32	17:45:29.8	+44:50:17	300	90	3.0	#210 Brightest	2	
0046.Pbcg032q.ms	500	03:32	17:45:29.8	+44:50:17	300	90	3.0	#210 Brightest	1	
0047.COMP	5	03:41	17:45:29.8	+44:50:17	300	90	3.0	0 Calibration	2	
0048.Pbcg102	600	03:47	17:16:47.3	+42:41:39	300	90	3.0	#210 Brightest	2	
0048.Pbcg102q.ms	600	03:47	17:16:47.3	+42:41:39	300	90	3.0	#210 Brightest	1	
0049.COMP	5	03:57	17:16:47.3	+42:41:39	300	90	3.0	0 Calibration	2	
0050.Pbcg103	600	04:00	17:18:29.6	+42:47:51	300	90	3.0	#210 Brightest	2	
0050.Pbcg103q.ms	600	04:00	17:18:29.6	+42:47:51	300	90	3.0	#210 Brightest	1	
0051.COMP	5	04:11	17:18:29.6	+42:47:51	300	90	3.0	0 Calibration	2	
0052.Pbcg104	600	04:14	17:18:13.8	+42:02:23	300	90	3.0	#210 Brightest	2	
0052.Pbcg104q.ms	600	04:14	17:18:13.8	+42:02:23	300	90	3.0	#210 Brightest	1	
0053.COMP	5	04:30	17:18:13.9	+42:01:25	300	90	3.0	0 Calibration	2	

UT Date 2013-09-28 Observers HSHwang/GHLeeColl. Focus 1350 Grating/Grism 300

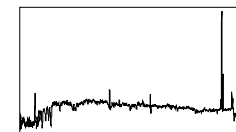
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0054.Pbcg105	900	04:32	17:47:14.0	+45:11:43	300	90	3.0	#210 Brightest	2	
0054.Pbcg105q.ms	900	04:32	17:47:14.0	+45:11:43	300	90	3.0	#210 Brightest	1	
0055.COMP	5	04:47	17:47:14.0	+45:11:43	300	91	3.0	0 Calibration	2	
0056.Pbcg106	900	04:48	17:49:21.0	+44:56:38	300	91	3.0	#210 Brightest	2	
0057.COMP	5	05:04	17:49:21.0	+44:56:38	300	89	3.0	0 Calibration	2	
0058.sn2013fj	1800	05:17	22:15:28.5	+15:34:04	300	89	3.0	#2 SN Observat	2	
0058.sn2013fjq.ms	1800	05:17	22:15:28.5	+15:34:04	300	89	3.0	#2 SN Observat	1	
0059.COMP	5	05:48	22:15:28.5	+15:34:04	300	90	3.0	0 Calibration	2	
0060.BFCyg	15	05:52	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0060.BFCygq.ms	15	05:52	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	1	
0061.BFCyg	15	05:52	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0062.COMP	5	05:53	19:23:53.0	+29:40:27	300	90	3.0	0 Calibration	2	
0063.CHCyg	1	05:55	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0063.CHCygq.ms	1	05:55	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	1	
0064.CHCyg	5	05:55	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0065.CHCyg	30	05:55	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0066.COMP	5	05:56	19:24:33.0	+50:14:30	300	90	3.0	0 Calibration	2	
0067.AS360	60	06:00	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0067.AS360q.ms	60	06:00	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	1	
0068.AS360	300	06:01	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	

UT Date 2013-09-28 Observers HSHwang/GHLeeColl. Focus 1350 Grating/Grism 300

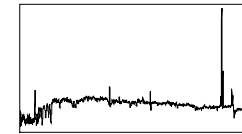
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.COMP	5	06:07	19:45:49.0	+18:36:49	300	90	3.0	0 Calibration	2	
0070.RAqr	1	06:14	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0071.RAqr	5	06:14	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0072.RAqr	10	06:15	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0072.RAqrq.ms	10	06:15	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	1	
0073.COMP	5	06:15	23:43:49.0	-15:17:05	300	90	3.0	0 Calibration	2	
0074.CICyg	4	06:17	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0075.CICyg	15	06:17	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0076.COMP	5	06:18	19:50:12.0	+35:41:02	300	90	3.0	0 Calibration	2	
0077.PUVul	1	06:21	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0077.PUVulq.ms	1	06:21	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	1	
0078.PUVul	10	06:21	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0078.PUVulq.ms	10	06:21	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	1	
0079.PUVul	60	06:21	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0079.PUVulq.ms	60	06:21	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	1	
0080.COMP	5	06:23	20:21:13.0	+21:34:21	300	90	3.0	0 Calibration	2	
0081.Pbcg022	600	06:31	23:34:12.1	+05:56:11	300	90	3.0	#210 Brightest	2	
0081.Pbcg022q.ms	600	06:31	23:34:12.1	+05:56:11	300	90	3.0	#210 Brightest	1	
0082.COMP	5	06:42	23:34:12.1	+05:56:11	300	90	3.0	0 Calibration	2	
0083.Pbcg023	600	06:49	23:51:04.8	+06:25:00	300	90	3.0	#210 Brightest	2	

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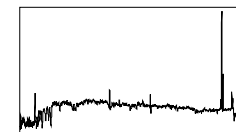
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.Pbcg023q.ms	600	06:49	23:51:04.8	+06:25:00	300	90	3.0	#210 Brightest	1	
0084.COMP	5	07:00	23:51:04.8	+06:25:00	300	90	3.0	0 Calibration	2	
0085.Pbcg024	900	07:04	23:50:46.9	+29:35:48	300	90	3.0	#210 Brightest	2	
0085.Pbcg024q.ms	900	07:04	23:50:46.9	+29:35:48	300	90	3.0	#210 Brightest	1	
0086.COMP	5	07:20	23:50:46.9	+29:35:48	300	90	3.0	0 Calibration	2	
0087.Pbcg025	750	07:22	23:51:06.5	+29:06:39	300	90	3.0	#210 Brightest	2	
0087.Pbcg025q.ms	750	07:22	23:51:06.5	+29:06:39	300	90	3.0	#210 Brightest	1	
0088.COMP	5	07:35	23:51:06.5	+29:06:39	300	90	3.0	0 Calibration	2	
0089.Pbcg026	750	07:39	23:49:42.0	+29:05:50	300	90	3.0	#210 Brightest	2	
0089.Pbcg026q.ms	750	07:39	23:49:42.0	+29:05:50	300	90	3.0	#210 Brightest	1	
0090.COMP	5	07:52	23:49:42.0	+29:05:50	300	90	3.0	0 Calibration	2	
0091.EGAnd	1	07:56	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0091.EGAndq.ms	1	07:56	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	1	
0092.EGAnd	5	07:56	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0092.EGAndq.ms	5	07:56	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	1	
0093.EGAnd	10	07:56	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0093.EGAndq.ms	10	07:56	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	1	
0094.COMP	5	07:57	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0095.Pbcg027	700	08:01	23:52:25.0	+29:24:17	300	90	3.0	#210 Brightest	2	
0096.COMP	5	08:13	23:52:25.0	+29:24:17	300	90	3.0	0 Calibration	2	

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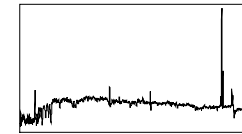
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0097.Pbcg028	750	08:16	23:48:46.8	+29:46:00	300	89	3.0	#210 Brightest	2	
0097.Pbcg028q.ms	750	08:16	23:48:46.8	+29:46:00	300	89	3.0	#210 Brightest	1	
0098.COMP	5	08:29	23:48:46.8	+29:46:00	300	90	3.0	0 Calibration	2	
0099.Pbcg029	700	08:34	23:49:00.0	+29:34:40	300	90	3.0	#210 Brightest	2	
0099.Pbcg029q.ms	700	08:34	23:49:00.0	+29:34:40	300	90	3.0	#210 Brightest	1	
0100.COMP	5	08:47	23:49:00.0	+29:34:40	300	90	3.0	0 Calibration	2	
0101.AXPer	1	08:49	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0101.AXPerq.ms	1	08:49	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	1	
0102.AXPer	5	08:50	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0102.AXPerq.ms	5	08:50	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	1	
0103.AXPer	10	08:50	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0103.AXPerq.ms	10	08:50	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	1	
0104.COMP	5	08:50	01:36:23.0	+54:15:03	300	90	3.0	0 Calibration	2	
0105.Pbcg001	600	08:54	00:11:05.2	+32:30:37	300	90	3.0	#210 Brightest	2	
0105.Pbcg001q.ms	600	08:54	00:11:05.2	+32:30:37	300	90	3.0	#210 Brightest	1	
0106.COMP	5	09:04	00:11:05.2	+32:30:37	300	90	3.0	0 Calibration	2	
0107.Pbcg002	750	09:07	00:12:24.9	+32:04:42	300	90	3.0	#210 Brightest	2	
0107.Pbcg002q.ms	750	09:07	00:12:24.9	+32:04:42	300	90	3.0	#210 Brightest	1	
0108.COMP	5	09:20	00:12:24.9	+32:04:42	300	90	3.0	0 Calibration	2	
0109.Pbcg003	600	09:22	00:12:38.1	+32:26:44	300	90	3.0	#210 Brightest	2	

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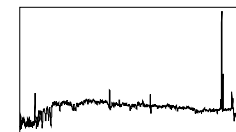
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0109.Pbcg003q.ms	600	09:22	00:12:38.1	+32:26:44	300	90	3.0	#210 Brightest	1	
0110.COMP	5	09:33	00:12:38.1	+32:26:44	300	90	3.0	0 Calibration	2	
0111.Comet.2P.Encke	450	09:46	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	2	
0111.Comet.2P.Enckeq.ms	450	09:46	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	1	
0112.Comet.2P.Encke	450	09:53	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	2	
0112.Comet.2P.Enckeq.ms	450	09:53	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	1	
0113.Comet.2P.Encke	450	10:01	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	2	Star in the slit, Comet at row 100
0113.Comet.2P.Enckeq.ms	450	10:01	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	1	
0114.Comet.2P.Encke	450	10:18	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	2	
0114.Comet.2P.Enckeq.ms	450	10:18	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	1	
0115.Comet.2P.Encke	450	10:26	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	2	
0115.Comet.2P.Enckeq.ms	450	10:26	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	1	
0116.COMP	5	10:34	06:25:55.4	+42:55:59	300	90	3.0	0 Calibration	2	
0116.COMPq.ms	5	10:34	06:25:55.4	+42:55:59	300	90	3.0	#173 Small Sol	1	
0117.Hyades142	5	10:37	04:46:30.0	+15:28:21	300	90	3.0	#173 Small Sol	2	
0117.Hyades142q.ms	5	10:37	04:46:30.0	+15:28:21	300	90	3.0	#173 Small Sol	1	
0118.COMP	5	10:38	04:46:30.0	+15:28:21	300	90	3.0	0 Calibration	2	
0119.Pbcg008	300	10:41	02:20:56.5	+21:12:10	300	90	3.0	#210 Brightest	2	
0119.Pbcg008q.ms	300	10:41	02:20:56.5	+21:12:10	300	90	3.0	#210 Brightest	1	
0120.COMP	5	10:47	02:20:56.5	+21:12:10	300	89	3.0	0 Calibration	2	

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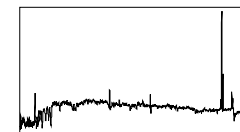
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.Pbcg009	450	10:49	02:20:57.3	+21:06:21	300	89	3.0	#210 Brightest	2	
0122.COMP	5	10:57	02:20:57.3	+21:06:21	300	89	3.0	0 Calibration	2	
0123.psnJ0503	1800	11:01	05:03:35.1	+01:34:18	300	89	3.0	#2 SN Observat	2	
0123.psnJ0503q.ms	1800	11:01	05:03:35.1	+01:34:18	300	89	3.0	#2 SN Observat	1	
0124.COMP	5	11:32	05:03:35.1	+01:34:18	300	89	3.0	0 Calibration	2	Not use
0125.COMP	5	11:33	05:03:35.1	+01:34:18	300	89	3.0	0 Calibration	2	
0126.Comet.C2013.R1	450	11:42	06:31:38.4	-03:55:04	300	89	3.0	#173 Small Sol	2	
0126.Comet.C2013.R1q.ms	450	11:42	06:31:38.4	-03:55:04	300	89	3.0	#173 Small Sol	1	
0127.Comet.C2013.R1	450	11:49	06:31:38.4	-03:55:04	300	89	3.0	#173 Small Sol	2	
0128.Comet.C2013.R1	450	11:57	06:31:38.4	-03:55:04	300	89	3.0	#173 Small Sol	2	
0129.COMP	5	12:05	06:31:38.4	-03:55:04	300	89	3.0	0 Calibration	2	
0130.SA98.978	30	12:07	06:51:34.0	-00:11:33	300	89	3.0	#173 Small Sol	2	
0131.COMP	5	12:08	06:51:34.0	-00:11:33	300	89	3.0	0 Calibration	2	
0132.Pbcg010	600	12:12	02:20:21.9	+21:01:33	300	89	3.0	#210 Brightest	2	
0133.COMP	5	12:23	02:20:21.9	+21:01:33	300	91	3.0	0 Calibration	2	
0134-0143.BIAS	0	12:39	02:20:21.9	+21:01:33	300	91	3.0	0 Calibration	2	
0144-0158.FLAT	7	12:44	02:20:21.9	+21:01:33	300	91	3.0	0 Calibration	2	
0159-0163.DARK	900	13:48	02:20:21.9	+21:01:33	300	91	3.0	0 Calibration	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	

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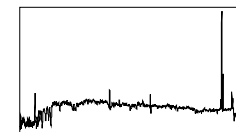
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0001-0009.DARK	1200	01:32	02:20:21.9	+21:01:33	300	91	3.0	0 Calibration	2	
0010.COMP	5	01:52	02:20:21.9	+21:01:33	300	91	3.0	0 Calibration	2	
0011-0020.BIAS	0	01:59	02:20:21.9	+21:01:33	300	91	3.0	0 Calibration	2	
0021-0035.FLAT	7	02:07	02:20:21.9	+21:01:33	300	91	3.0	0 Calibration	2	
0036.BDp332642	120	02:15	15:51:59.9	+32:56:54	300	91	3.0	#56 Spectropho	2	
0037.COMP	5	02:17	15:51:59.9	+32:56:54	300	91	3.0	0 Calibration	2	
0038.AS270	60	02:22	18:05:33.7	-20:20:38	300	91	3.0	#12 Symbiotic	2	
0039.AS270	300	02:23	18:05:33.7	-20:20:38	300	91	3.0	#12 Symbiotic	2	
0040.COMP	5	02:28	18:05:33.7	-20:20:38	300	91	3.0	0 Calibration	2	
0041.AS327	30	02:30	18:53:17.0	-24:22:59	300	91	3.0	#12 Symbiotic	2	
0042.AS327	300	02:31	18:53:17.0	-24:22:59	300	91	3.0	#12 Symbiotic	2	
0043.COMP	5	02:36	18:53:17.0	-24:22:59	300	91	3.0	0 Calibration	2	
0044.AS316	30	02:37	18:42:33.0	-21:17:47	300	91	3.0	#12 Symbiotic	2	
0045.AS316	300	02:38	18:42:33.0	-21:17:47	300	91	3.0	#12 Symbiotic	2	
0046.COMP	5	02:43	18:42:33.0	-21:17:47	300	91	3.0	0 Calibration	2	
0047.HPbcg107	900	02:46	17:49:13.4	+44:55:25	300	91	3.0	#210 Brightest	2	
0048.COMP	5	03:01	17:49:13.4	+44:55:25	300	91	3.0	0 Calibration	2	
0049.sn2013fj	1800	03:09	22:15:28.5	+15:34:04	300	87	3.0	#2 SN Observat	2	
0050.COMP	5	03:40	22:15:28.5	+15:34:04	300	87	3.0	0 Calibration	2	
0051.BIAS	0	03:49	22:15:28.5	+15:34:04	300	87	3.0	0 Calibration	4	binby4,600-line,tilt=445

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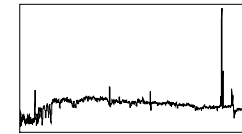
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.BIAS	0	03:49	22:15:28.5	+15:34:04	300	87	3.0	0 Calibration	4	setup not in comments
0053-0060.BIAS	0	03:50	22:15:28.5	+15:34:04	300	87	3.0	0 Calibration	4	
0061-0070.FLAT	12	03:54	22:15:28.5	+15:34:04	300	87	3.0	0 Calibration	4	
0071.lmwd469	1080	03:57	20:41:54.3	-17:57:32	300	89	3.0	#178 Low Mass	4	
0072.COMP	10	04:15	20:41:54.3	-17:57:32	300	89	3.0	0 Calibration	4	
0073.lmwd469	1080	04:16	20:41:54.3	-17:57:32	300	89	3.0	#178 Low Mass	4	
0074.COMP	10	04:35	20:41:54.3	-17:57:32	300	90	3.0	0 Calibration	4	
0075.lmwd469	1080	04:35	20:41:54.3	-17:57:32	300	90	3.0	#178 Low Mass	4	
0076.COMP	10	04:54	20:41:54.3	-17:57:32	300	90	3.0	0 Calibration	4	
0077.lmwd469	1080	04:55	20:41:54.3	-17:57:32	300	90	3.0	#178 Low Mass	4	
0078.COMP	10	05:13	20:41:54.3	-17:57:32	300	90	3.0	0 Calibration	4	
0079.lmwd469	1080	05:14	20:41:54.3	-17:57:32	300	89	3.0	#178 Low Mass	4	
0080.COMP	10	05:32	20:41:54.3	-17:57:32	300	89	3.0	0 Calibration	4	
0081.lmwd469	1080	05:33	20:41:54.3	-17:57:32	300	89	3.0	#178 Low Mass	4	
0082.COMP	10	05:51	20:41:54.3	-17:57:32	300	90	3.0	0 Calibration	4	
0083.lmwd469	1080	05:51	20:41:54.3	-17:57:32	300	90	3.0	#178 Low Mass	4	
0084.COMP	10	06:10	20:41:54.3	-17:57:32	300	90	3.0	0 Calibration	4	
0085.lmwd483	1380	06:13	21:51:59.2	+16:14:49	300	90	3.0	#178 Low Mass	4	
0086.COMP	10	06:36	21:51:59.2	+16:14:49	300	89	3.0	0 Calibration	4	
0087.lmwd483	1380	06:37	21:51:59.2	+16:14:49	300	90	3.0	#178 Low Mass	4	

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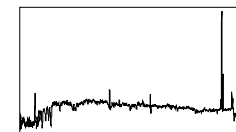
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	10	07:01	21:51:59.2	+16:14:49	300	90	3.0	0 Calibration	4	
0089.lmwd483	1380	07:01	21:51:59.2	+16:14:49	300	90	3.0	#178 Low Mass	4	
0090.COMP	10	07:25	21:51:59.2	+16:14:49	300	90	3.0	0 Calibration	4	
0091.lmwd483	1380	07:25	21:51:59.2	+16:14:49	300	90	3.0	#178 Low Mass	4	
0092.COMP	10	07:49	21:51:59.2	+16:14:49	300	90	3.0	0 Calibration	4	
0093.lmwd483	1380	07:49	21:51:59.2	+16:14:49	300	90	3.0	#178 Low Mass	4	
0094.COMP	10	08:12	21:51:59.2	+16:14:49	300	90	3.0	0 Calibration	4	
0095.lmwd483	1380	08:13	21:51:59.2	+16:14:49	300	90	3.0	#178 Low Mass	4	
0096.COMP	10	08:37	21:51:59.2	+16:14:49	300	89	3.0	0 Calibration	4	
0097.lmwd483	1380	08:37	21:51:59.2	+16:14:49	300	90	3.0	#178 Low Mass	4	
0098.COMP	10	09:01	21:51:59.2	+16:14:49	300	90	3.0	0 Calibration	4	
0099.BDp284211	90	09:02	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	4	
0100.COMP	10	09:04	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	4	
0101.HD19445	10	09:15	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	binby2, 300-line
0102.COMP	5	09:15	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0103.HPbcg004	420	09:18	00:13:04.9	+32:29:09	300	90	3.0	#210 Brightest	2	
0104.COMP	5	09:25	00:13:04.9	+32:29:09	300	90	3.0	0 Calibration	2	
0105.HPbcg006	300	09:26	00:12:27.6	+32:45:10	300	90	3.0	#210 Brightest	2	
0106.COMP	5	09:31	00:12:27.6	+32:45:10	300	90	3.0	0 Calibration	2	
0107.HPbcg040	480	09:32	00:12:44.1	+32:35:35	300	90	3.0	#210 Brightest	2	star to W

UT Date 2013-09-29 Observers KRines/EBatsonColl. Focus 1350 Grating/Grism 300

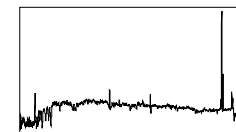
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0108.COMP	5	09:40	00:12:44.1	+32:35:35	300	90	3.0	0 Calibration	2	
0109.HPbcg007	600	09:42	00:20:36.7	+28:18:48	300	90	3.0	#210 Brightest	2	
0110.COMP	5	09:53	00:20:36.7	+28:18:48	300	90	3.0	0 Calibration	2	
0111.back42	300	09:55	02:02:11.4	+16:04:05	300	90	3.0	#216 Local Com	2	
0112.COMP	5	10:00	02:02:11.4	+16:04:05	300	90	3.0	0 Calibration	2	
0113.back17	300	10:01	02:02:11.9	+15:15:28	300	90	3.0	#216 Local Com	2	
0114.COMP	5	10:06	02:02:11.9	+15:15:28	300	90	3.0	0 Calibration	2	
0115.back10	300	10:08	02:02:35.7	+15:07:53	300	90	3.0	#216 Local Com	2	
0116.COMP	5	10:13	02:02:35.7	+15:07:53	300	90	3.0	0 Calibration	2	
0117.back37	720	10:15	02:02:45.5	+15:33:17	300	90	3.0	#216 Local Com	2	
0118.COMP	5	10:27	02:02:45.5	+15:33:17	300	90	3.0	0 Calibration	2	
0119.back25	300	10:28	02:03:01.0	+14:06:07	300	90	3.0	#216 Local Com	2	
0120.COMP	5	10:33	02:03:01.0	+14:06:07	300	90	3.0	0 Calibration	2	
0121.psnJ0408p2317	900	10:35	04:08:02.4	+23:17:39	300	90	3.0	#2 SN Observat	2	
0122.psnJ0408p2317	900	10:51	04:08:02.4	+23:17:39	300	90	3.0	#2 SN Observat	2	
0123.COMP	5	11:06	04:08:02.4	+23:17:39	300	90	3.0	0 Calibration	2	
0124.psnJ0503	1800	11:07	05:03:35.1	+01:34:18	300	90	3.0	#2 SN Observat	2	
0125.COMP	5	11:38	05:03:35.1	+01:34:18	300	90	3.0	0 Calibration	2	
0126.A383_1	900	11:39	02:48:04.8	-03:46:54	300	90	3.0	#216 Local Com	2	
0127.COMP	5	11:55	02:48:04.8	-03:46:54	300	90	3.0	0 Calibration	2	

UT Date 2013-09-29 Observers KRines/EBatsonColl. Focus 1350 Grating/Grism 300

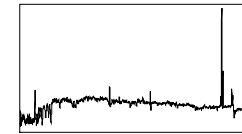
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0128.A383.2	720	11:56	02:48:20.9	-03:48:56	300	90	3.0	#216 Local Com	2	
0129.COMP	5	12:08	02:48:20.9	-03:48:56	300	90	3.0	0 Calibration	2	
0130.A00867.1	480	12:14	07:25:04.2	+37:55:03	300	90	3.0	#216 Local Com	2	
0131.COMP	5	12:22	07:25:04.2	+37:55:03	300	90	3.0	0 Calibration	2	
0132.back02	300	12:24	08:10:21.5	+34:22:35	300	90	3.0	#216 Local Com	2	
0133.COMP	5	12:29	08:10:21.5	+34:22:35	300	90	3.0	0 Calibration	2	
0134.G191B2B	300	12:31	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0135.COMP	5	12:36	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0136-0145.BIAS	0	12:50	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0146-0160.FLAT	7	12:55	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0161-0165.DARK	900	13:59	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	

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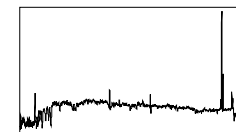
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	1800	00:13	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0006-0015.BIAS	0	01:20	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0016-0017.FLAT	7	01:21	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	flatlamps off
0018-0032.FLAT	7	01:26	05:05:30.6	+52:49:52	300	90	3.0	0 Calibration	2	
0033.AS281	60	02:08	18:10:44.0	-27:57:51	300	90	3.0	#12 Symbiotic	2	
0033.AS281q.ms	60	02:08	18:10:44.0	-27:57:51	300	90	3.0	#12 Symbiotic	1	
0034.AS281	360	02:09	18:10:44.0	-27:57:51	300	90	3.0	#12 Symbiotic	2	
0034.AS281q.ms	360	02:09	18:10:44.0	-27:57:51	300	90	3.0	#12 Symbiotic	1	
0035.COMP	5	02:15	18:10:44.0	-27:57:51	300	90	3.0	0 Calibration	2	
0036.Hen1591	120	02:19	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0036.Hen1591q.ms	120	02:19	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	1	
0037.Hen1591	300	02:21	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0037.Hen1591q.ms	300	02:21	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	1	
0038.COMP	5	02:26	18:07:32.0	-25:53:43	300	90	3.0	0 Calibration	2	
0039.Hen1674	30	02:29	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	
0039.Hen1674q.ms	30	02:29	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	1	
0040.Hen1674	120	02:30	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	
0040.Hen1674q.ms	120	02:30	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	1	
0041.Hen1674	600	02:32	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	
0041.Hen1674q.ms	600	02:32	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	1	

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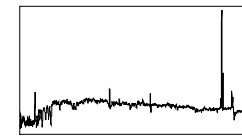
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0042.COMP	5	02:43	18:20:19.1	-26:22:46	300	90	3.0	0 Calibration	2	
0043.RSOph	10	02:44	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0043.RSOphq.ms	10	02:44	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	1	
0044.RSOph	60	02:45	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0044.RSOphq.ms	60	02:45	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	1	
0045.RSOph	150	02:46	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0045.RSOphq.ms	150	02:46	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	1	
0046.COMP	5	02:49	17:50:13.0	-06:42:30	300	90	3.0	0 Calibration	2	
0047.DracoC1	1200	02:52	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	
0047.DracoC1q.ms	1200	02:52	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	1	
0048.COMP	5	03:12	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0049.HPbcg141	1200	03:16	17:06:26.2	-01:33:42	300	89	3.0	#210 Brightest	2	
0049.HPbcg141q.ms	1200	03:16	17:06:26.2	-01:33:42	300	89	3.0	#210 Brightest	1	
0050.COMP	5	03:36	17:06:26.2	-01:33:42	300	89	3.0	0 Calibration	2	
0051.HPbcg120	600	03:38	17:16:15.5	+42:10:57	300	89	3.0	#210 Brightest	2	
0051.HPbcg120q.ms	600	03:38	17:16:15.5	+42:10:57	300	89	3.0	#210 Brightest	1	
0052.COMP	5	03:49	17:16:15.5	+42:10:57	300	90	3.0	0 Calibration	2	
0053.HPbcg121	600	03:50	17:19:16.1	+42:22:22	300	89	3.0	#210 Brightest	2	
0053.HPbcg121q.ms	600	03:50	17:19:16.1	+42:22:22	300	89	3.0	#210 Brightest	1	
0054.COMP	5	04:00	17:19:16.1	+42:22:22	300	89	3.0	0 Calibration	2	

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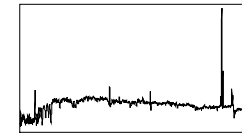
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0055.HPbcg122	600	04:01	17:15:12.9	+42:46:45	300	90	3.0	#210 Brightest	2	
0055.HPbcg122q.ms	600	04:01	17:15:12.9	+42:46:45	300	90	3.0	#210 Brightest	1	
0056.COMP	5	04:12	17:15:12.9	+42:46:45	300	90	3.0	0 Calibration	2	
0057.HPbcg123	720	04:13	17:19:38.3	+42:26:40	300	90	3.0	#210 Brightest	2	
0057.HPbcg123q.ms	720	04:13	17:19:38.3	+42:26:40	300	90	3.0	#210 Brightest	1	
0058.COMP	5	04:25	17:19:38.3	+42:26:40	300	90	3.0	0 Calibration	2	
0059.HPbcg124	720	04:26	17:47:22.0	+45:02:06	300	90	3.0	#210 Brightest	2	
0059.HPbcg124q.ms	720	04:26	17:47:22.0	+45:02:06	300	90	3.0	#210 Brightest	1	
0060.COMP	5	04:39	17:47:22.0	+45:02:06	300	90	3.0	0 Calibration	2	
0061.HPbcg125	900	04:40	17:50:03.2	+45:00:15	300	90	3.0	#210 Brightest	2	
0061.HPbcg125q.ms	900	04:40	17:50:03.2	+45:00:15	300	90	3.0	#210 Brightest	1	
0062.COMP	5	04:55	17:50:03.2	+45:00:15	300	90	3.0	0 Calibration	2	
0063.HPbcg125	0	04:55	23:25:53.6	+42:32:06	300	90	3.0	#210 Brightest	1	
0064.HPbcg125	60	05:01	23:25:53.6	+42:32:06	300	90	60.0	#56 RV Standar	1	object NGC7662; no slit
0065.HPbcg125	60	05:03	23:25:53.6	+42:32:06	300	90	60.0	#57 RV Standar	1	obj N7662
0066.eskimo	60	05:04	23:25:53.6	+42:32:06	300	90	60.0	#57 RV Standar	1	
0067.eskimo	120	05:07	23:25:53.6	+42:32:06	300	90	60.0	#57 RV Standar	2	slit back; comments not updated
0067.eskimoq.ms	120	05:07	23:25:53.6	+42:32:06	300	90	60.0	#57 RV Standar	1	
0068.COMP	5	05:09	23:25:53.6	+42:32:06	300	90	60.0	00 Calibration	2	
0069.BDp174708	90	05:13	22:11:31.4	+18:05:34	300	90	60.0	#56 Spectropho	2	

UT Date 2013-09-30 Observers KRines/EBatsonColl. Focus 1350 Grating/Grism 300

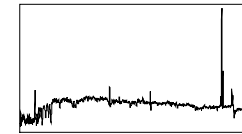
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0069.BDp174708q.ms	90	05:13	22:11:31.4	+18:05:34	300	90	60.0	#56 Spectropho	1	
0070.COMP	5	05:15	22:11:31.4	+18:05:34	300	90	60.00	Calibration	2	
0071.BDp284211	90	05:17	21:51:11.0	+28:51:50	300	90	60.0	#56 Spectropho	2	
0071.BDp284211q.ms	90	05:17	21:51:11.0	+28:51:50	300	90	60.0	#56 Spectropho	1	
0072.COMP	5	05:19	21:51:11.0	+28:51:50	300	90	60.00	Calibration	2	
0073.HPbcg142	720	05:20	22:23:54.2	-01:37:18	300	90	60.0	#210 Brightest	2	
0073.HPbcg142q.ms	720	05:20	22:23:54.2	-01:37:18	300	90	60.0	#210 Brightest	1	
0074.COMP	5	05:33	22:23:54.2	-01:37:18	300	89	60.00	Calibration	2	
0075.HPbcg143	720	05:34	22:26:08.0	+17:21:24	300	89	60.0	#210 Brightest	2	
0075.HPbcg143q.ms	720	05:34	22:26:08.0	+17:21:24	300	89	60.0	#210 Brightest	1	
0076.COMP	5	05:46	22:26:08.0	+17:21:24	300	89	60.00	Calibration	2	
0077.HPbcg144	900	05:48	22:50:19.7	+10:54:13	300	89	60.0	#210 Brightest	2	
0077.HPbcg144q.ms	900	05:48	22:50:19.7	+10:54:13	300	89	60.0	#210 Brightest	1	
0078.COMP	5	06:03	22:50:19.7	+10:54:13	300	89	60.00	Calibration	2	
0079.HPbcg145	600	06:04	23:50:50.6	+06:08:59	300	89	60.0	#210 Brightest	2	
0079.HPbcg145q.ms	600	06:04	23:50:50.6	+06:08:59	300	89	60.0	#210 Brightest	1	
0080.COMP	5	06:15	23:50:50.6	+06:08:59	300	89	60.00	Calibration	2	
0081.HPbcg146	600	06:16	23:51:23.5	+06:06:31	300	90	60.0	#210 Brightest	2	
0081.HPbcg146q.ms	600	06:16	23:51:23.5	+06:06:31	300	90	60.0	#210 Brightest	1	
0082.COMP	5	06:27	23:51:23.5	+06:06:31	300	90	60.00	Calibration	2	

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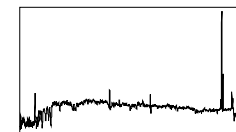
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.HPbcg014	480	06:31	22:00:23.6	+20:51:12	300	90	60.0	#210 Brightest	2	
0083.HPbcg014q.ms	480	06:31	22:00:23.6	+20:51:12	300	90	60.0	#210 Brightest	1	
0084.COMP	5	06:39	22:00:23.6	+20:51:12	300	90	60.0	0 Calibration	2	
0085.HPbcg015	600	06:42	22:01:52.8	+20:32:58	300	89	3.0	#210 Brightest	2	
0085.HPbcg015q.ms	600	06:42	22:01:52.8	+20:32:58	300	89	3.0	#210 Brightest	1	
0086.COMP	5	06:53	22:01:52.8	+20:32:58	300	89	3.0	0 Calibration	2	
0087.HPbcg016	720	06:55	21:58:42.1	+21:00:36	300	90	3.0	#210 Brightest	2	
0087.HPbcg016q.ms	720	06:55	21:58:42.1	+21:00:36	300	90	3.0	#210 Brightest	1	
0088.COMP	5	07:07	21:58:42.1	+21:00:36	300	90	3.0	0 Calibration	2	
0089.HPbcg017	300	07:09	22:26:19.2	+17:52:24	300	90	3.0	#210 Brightest	2	
0089.HPbcg017q.ms	300	07:09	22:26:19.2	+17:52:24	300	90	3.0	#210 Brightest	1	
0090.COMP	5	07:14	22:26:19.2	+17:52:24	300	89	3.0	0 Calibration	2	
0091.HPbcg018	480	07:18	22:32:12.4	+05:39:20	300	90	3.0	#210 Brightest	2	
0091.HPbcg018q.ms	480	07:18	22:32:12.4	+05:39:20	300	90	3.0	#210 Brightest	1	
0092.COMP	5	07:26	22:32:12.4	+05:39:20	300	90	3.0	0 Calibration	2	
0093.HPbcg019	600	07:29	22:34:59.6	+05:19:07	300	90	3.0	#210 Brightest	2	
0093.HPbcg019q.ms	600	07:29	22:34:59.6	+05:19:07	300	90	3.0	#210 Brightest	1	
0094.COMP	5	07:40	22:34:59.6	+05:19:07	300	90	3.0	0 Calibration	2	
0095.HPbcg020	720	07:43	22:50:42.2	+11:25:32	300	90	3.0	#210 Brightest	2	bright star to E; Halpha
0095.HPbcg020q.ms	720	07:43	22:50:42.2	+11:25:32	300	90	3.0	#210 Brightest	1	

UT Date 2013-09-30 Observers KRines/EBatsonColl. Focus 1350 Grating/Grism 300

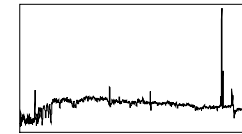
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0096.COMP	5	07:55	22:50:42.2	+11:25:32	300	90	3.0	0 Calibration	2	
0097.HPbcg021	1200	07:58	22:49:00.2	+11:10:49	300	90	3.0	#210 Brightest	2	
0097.HPbcg021q.ms	1200	07:58	22:49:00.2	+11:10:49	300	90	3.0	#210 Brightest	1	
0098.COMP	5	08:18	22:49:00.2	+11:10:49	300	90	3.0	0 Calibration	2	
0099.HPbcg135	1200	08:20	00:11:45.2	+32:24:56	300	90	3.0	#210 Brightest	2	target is row68; star in row80
0099.HPbcg135q.ms	1200	08:20	00:11:45.2	+32:24:56	300	90	3.0	#210 Brightest	1	
0100.COMP	5	08:40	00:11:45.2	+32:24:56	300	90	3.0	0 Calibration	2	
0101.HPbcg136	900	08:42	00:20:37.1	+28:39:34	300	91	3.0	#210 Brightest	2	
0101.HPbcg136q.ms	900	08:42	00:20:37.1	+28:39:34	300	91	3.0	#210 Brightest	1	
0102.COMP	5	08:57	00:20:37.1	+28:39:34	300	91	3.0	0 Calibration	2	
0103.HPbcg137	1200	08:58	00:20:48.2	+28:39:35	300	91	3.0	#210 Brightest	2	
0103.HPbcg137q.ms	1200	08:58	00:20:48.2	+28:39:35	300	91	3.0	#210 Brightest	1	
0104.COMP	5	09:18	00:20:48.2	+28:39:35	300	90	3.0	0 Calibration	2	
0105.Asteroid.69.Hesperia	300	09:20	00:17:36.0	+01:46:54	300	90	3.0	#173 Small Sol	2	
0106.Asteroid.69.Hesperia	300	09:25	00:17:36.0	+01:46:54	300	90	3.0	#173 Small Sol	2	
0107.Asteroid.69.Hesperia	300	09:30	00:17:36.0	+01:46:54	300	90	3.0	#173 Small Sol	2	
0107.Asteroid.69.Hesperiaq.ms	300	09:30	00:17:36.0	+01:46:54	300	90	3.0	#173 Small Sol	1	
0108.COMP	5	09:36	00:17:36.0	+01:46:54	300	90	3.0	0 Calibration	2	
0109.HD1461	1	09:37	00:18:41.9	-08:03:11	300	90	3.0	#173 Small Sol	2	
0110.COMP	5	09:37	00:18:41.9	-08:03:11	300	90	3.0	0 Calibration	2	

UT Date 2013-09-30 Observers KRines/EBatsonColl. Focus 1350 Grating/Grism 300

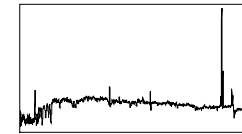
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0111.Asteroid.94.Aurora	450	09:40	00:21:24.0	+03:11:57	300	90	3.0	#173 Small Sol	2	
0111.Asteroid.94.Auroraq.ms	450	09:40	00:21:24.0	+03:11:57	300	90	3.0	#173 Small Sol	1	
0112.Asteroid.94.Aurora	450	09:48	00:21:24.0	+03:11:57	300	90	3.0	#173 Small Sol	2	
0112.Asteroid.94.Auroraq.ms	450	09:48	00:21:24.0	+03:11:57	300	90	3.0	#173 Small Sol	1	
0113.Asteroid.94.Aurora	450	09:55	00:21:24.0	+03:11:57	300	90	3.0	#173 Small Sol	2	
0114.COMP	5	10:03	00:21:24.0	+03:11:57	300	90	3.0	0 Calibration	2	
0115.HPbcg052	900	10:08	02:13:08.1	-04:36:12	300	90	3.0	#210 Brightest	2	
0115.HPbcg052q.ms	900	10:08	02:13:08.1	-04:36:12	300	90	3.0	#210 Brightest	1	
0116.COMP	5	10:24	02:13:08.1	-04:36:12	300	90	3.0	0 Calibration	2	
0117.HPbcg053	900	10:25	02:15:57.8	-04:29:04	300	90	3.0	#210 Brightest	2	
0117.HPbcg053q.ms	900	10:25	02:15:57.8	-04:29:04	300	90	3.0	#210 Brightest	1	
0118.COMP	5	10:41	02:15:57.8	-04:29:04	300	90	3.0	0 Calibration	2	
0119.HPbcg054	720	10:43	02:16:27.3	-04:43:18	300	90	3.0	#210 Brightest	2	
0119.HPbcg054q.ms	720	10:43	02:16:27.3	-04:43:18	300	90	3.0	#210 Brightest	1	
0120.COMP	5	10:55	02:16:27.3	-04:43:18	300	90	3.0	0 Calibration	2	
0121.HPbcg055	600	10:57	02:16:14.9	-04:22:15	300	90	3.0	#210 Brightest	2	
0121.HPbcg055q.ms	600	10:57	02:16:14.9	-04:22:15	300	90	3.0	#210 Brightest	1	
0122.COMP	5	11:07	02:16:14.9	-04:22:15	300	90	3.0	0 Calibration	2	
0123.HPbcg011	300	11:09	02:20:53.2	+21:04:35	300	90	3.0	#210 Brightest	2	
0123.HPbcg011q.ms	300	11:09	02:20:53.2	+21:04:35	300	90	3.0	#210 Brightest	1	

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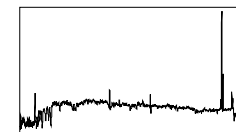
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0124.COMP	5	11:14	02:20:53.2	+21:04:35	300	90	3.0	0 Calibration	2	
0125.A00263.2	1200	11:20	03:49:04.1	-05:13:51	300	15	3.0	#216 Local Com	2	rot=15,row47=A00263.1;row89=A00263.2
0125.A00263.2q.ms	1200	11:20	03:49:04.1	-05:13:51	300	15	3.0	#216 Local Com	1	
0126.COMP	5	11:40	03:49:04.1	-05:13:51	300	15	3.0	0 Calibration	2	Halpha in both
0127.back54	1200	11:44	03:48:56.4	-05:31:36	300	84	3.0	#216 Local Com	2	
0127.back54q.ms	1200	11:44	03:48:56.4	-05:31:36	300	84	3.0	#216 Local Com	1	
0128.COMP	5	12:05	03:48:56.4	-05:31:36	300	84	3.0	0 Calibration	2	
0129.HPbcg138	901	12:07	07:32:20.3	+31:38:01	300	84	3.0	#210 Brightest	2	
0129.HPbcg138q.ms	901	12:07	07:32:20.3	+31:38:01	300	84	3.0	#210 Brightest	1	
0130.COMP	5	12:23	07:32:20.3	+31:38:01	300	84	3.0	0 Calibration	2	
0131.HPbcg013	300	12:24	07:33:19.8	+31:33:12	300	84	3.0	#210 Brightest	2	
0131.HPbcg013q.ms	300	12:24	07:33:19.8	+31:33:12	300	84	3.0	#210 Brightest	1	
0132.COMP	5	12:29	07:33:19.8	+31:33:12	300	84	3.0	0 Calibration	2	
0133.BGGem	300	12:30	06:03:31.0	+27:41:50	300	84	3.0	#12 Symbiotic	2	
0133.BGGemq.ms	300	12:30	06:03:31.0	+27:41:50	300	84	3.0	#12 Symbiotic	1	
0134.COMP	5	12:35	06:03:31.0	+27:41:50	300	84	3.0	0 Calibration	2	
0135.BXMon	15	12:37	07:25:23.0	-03:35:51	300	84	3.0	#12 Symbiotic	2	
0135.BXMonq.ms	15	12:37	07:25:23.0	-03:35:51	300	84	3.0	#12 Symbiotic	1	
0136.BXMon	180	12:37	07:25:23.0	-03:35:51	300	84	3.0	#12 Symbiotic	2	
0136.BXMonq.ms	180	12:37	07:25:23.0	-03:35:51	300	84	3.0	#12 Symbiotic	1	

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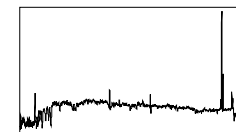
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0137.COMP	5	12:41	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	2	
0138-0147.BIAS	0	12:53	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	2	
0148-0162.FLAT	7	12:58	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	2	
0163-0167.DARK	900	14:02	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	
test64m66	60	05:01	23:25:53.6	+42:32:06	300	90	60.0	#56 RV Standar	1	
test66m67	60	05:04	23:25:53.6	+42:32:06	300	90	60.0	#57 RV Standar	1	

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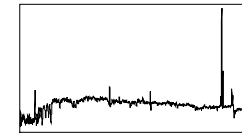
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	1800	22:19	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	2	binby2
0002-0005.DARK	1800	00:21	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	2	
0006-0015.BIAS	0	01:21	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	2	
0016.BIAS	0	01:21	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	4	binby4
0017-0025.BIAS	0	01:22	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	4	
0026.FLAT	12	01:22	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	4	flatlamps off - do not use
0027.FLAT	12	01:23	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	4	600l grating,1.5slit
0028.FLAT	12	01:23	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	4	tilt=445,headers not updated
0029-0036.FLAT	12	01:26	07:25:23.0	-03:35:51	300	84	3.0	0 Calibration	4	
0037.BDp284211	120	02:14	21:51:11.0	+28:51:50	300	84	3.0	#56 Spectropho	4	
0038.COMP	5	02:17	21:51:11.0	+28:51:50	300	84	3.0	0 Calibration	4	
0039.bhvs402	600	02:18	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	
0040.COMP	10	02:29	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0041.bhvs402	600	02:29	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	
0042.COMP	10	02:40	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0043.bhvs402	600	02:41	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	
0044.COMP	10	02:51	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0045.bhvs402	600	02:52	21:41:28.3	+11:46:23	300	83	3.0	#178 Low Mass	4	
0046.COMP	10	03:02	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0047.bhvs402	600	03:03	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	

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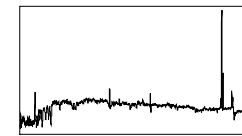
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.COMP	10	03:13	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0049.bhvs402	600	03:14	21:41:28.3	+11:46:23	300	85	3.0	#178 Low Mass	4	
0050.COMP	10	03:24	21:41:28.3	+11:46:23	300	85	3.0	0 Calibration	4	
0051.bhvs402	600	03:25	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	
0052.COMP	10	03:35	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0053.bhvs402	600	03:36	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	
0054.COMP	10	03:46	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0055.bhvs402	600	03:47	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	
0056.COMP	10	03:57	21:41:28.3	+11:46:23	300	83	3.0	0 Calibration	4	
0057.bhvs402	600	03:57	21:41:28.3	+11:46:23	300	83	3.0	#178 Low Mass	4	
0058.COMP	10	04:08	21:41:28.3	+11:46:23	300	85	3.0	0 Calibration	4	
0059.bhvs402	600	04:09	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	
0060.COMP	10	04:19	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0061.bhvs402	600	04:19	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	
0062.COMP	10	04:30	21:41:28.3	+11:46:23	300	85	3.0	0 Calibration	4	
0063.bhvs402	600	04:30	21:41:28.3	+11:46:23	300	85	3.0	#178 Low Mass	4	
0064.COMP	10	04:41	21:41:28.3	+11:46:23	300	85	3.0	0 Calibration	4	
0065.bhvs402	600	04:41	21:41:28.3	+11:46:23	300	85	3.0	#178 Low Mass	4	
0066.COMP	10	04:52	21:41:28.3	+11:46:23	300	85	3.0	0 Calibration	4	
0067.bhvs402	600	04:52	21:41:28.3	+11:46:23	300	85	3.0	#178 Low Mass	4	

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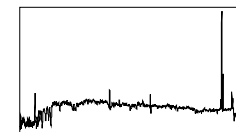
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.COMP	10	05:03	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0069.bhvs402	600	05:03	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	
0070.COMP	10	05:14	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0071.bhvs402	600	05:14	21:41:28.3	+11:46:23	300	84	3.0	#178 Low Mass	4	
0072.COMP	10	05:25	21:41:28.3	+11:46:23	300	84	3.0	0 Calibration	4	
0073.lmwd483	1380	05:26	21:51:59.2	+16:14:49	300	84	3.0	#178 Low Mass	4	
0074.COMP	10	05:50	21:51:59.2	+16:14:49	300	85	3.0	0 Calibration	4	
0075.lmwd483	1380	05:50	21:51:59.2	+16:14:49	300	85	3.0	#178 Low Mass	4	
0076.COMP	10	06:15	21:51:59.2	+16:14:49	300	84	3.0	0 Calibration	4	
0077.lmwd483	1380	06:15	21:51:59.2	+16:14:49	300	84	3.0	#178 Low Mass	4	
0078.COMP	10	06:39	21:51:59.2	+16:14:49	300	85	3.0	0 Calibration	4	
0079.lmwd483	1380	06:40	21:51:59.2	+16:14:49	300	85	3.0	#178 Low Mass	4	
0080.COMP	10	07:03	21:51:59.2	+16:14:49	300	84	3.0	0 Calibration	4	
0081.lmwd483	1380	07:04	21:51:59.2	+16:14:49	300	84	3.0	#178 Low Mass	4	
0082.COMP	10	07:27	21:51:59.2	+16:14:49	300	85	3.0	0 Calibration	4	
0083.lmwd483	1380	07:28	21:51:59.2	+16:14:49	300	85	3.0	#178 Low Mass	4	
0084.COMP	10	07:51	21:51:59.2	+16:14:49	300	85	3.0	0 Calibration	4	
0085.lmwd483	1380	07:52	21:51:59.2	+16:14:49	300	85	3.0	#178 Low Mass	4	
0086.COMP	10	08:15	21:51:59.2	+16:14:49	300	84	3.0	0 Calibration	4	
0087.sn2013fj	1800	08:22	22:15:28.5	+15:34:04	300	84	3.0	#2 SN Observat	4	binby4

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	5	08:53	22:15:28.5	+15:34:04	300	85	3.0	0 Calibration	4	
0090.fast3	0	00:00	21:51:11.0	+28:51:50	300	85	3.0	#56 Spectropho	2	restarted ccd;binby2
0091.fast3	90	09:04	21:51:11.0	+28:51:50	300	85	3.0	#56 Spectropho	2	Std BDp284211
0092.COMP	5	09:06	21:51:11.0	+28:51:50	300	85	3.0	0 Calibration	2	
0093.HPbcg048	480	09:08	00:20:34.4	+28:27:17	300	85	3.0	#210 Brightest	2	
0094.COMP	5	09:16	00:20:34.4	+28:27:17	300	84	3.0	0 Calibration	2	
0095.HPbcg049	720	09:18	00:20:41.6	+28:55:09	300	84	3.0	#210 Brightest	2	
0096.COMP	5	09:31	00:20:41.6	+28:55:09	300	84	3.0	0 Calibration	2	
0097.HPbcg093	480	09:32	23:50:43.5	+29:48:09	300	84	3.0	#210 Brightest	2	
0098.COMP	5	09:40	23:50:43.5	+29:48:09	300	84	3.0	0 Calibration	2	
0099.HPbcg095	360	09:42	23:50:33.0	+29:12:12	300	84	3.0	#210 Brightest	2	
0100.COMP	5	09:48	23:50:33.0	+29:12:12	300	84	3.0	0 Calibration	2	
0101.HPbcg096	480	09:50	23:50:03.5	+29:50:53	300	84	3.0	#210 Brightest	2	
0102.COMP	5	09:58	23:50:03.5	+29:50:53	300	84	3.0	0 Calibration	2	
0103.back68	720	10:03	02:03:06.1	+16:07:06	300	84	3.0	#216 Local Com	2	
0104.COMP	5	10:15	02:03:06.1	+16:07:06	300	84	3.0	0 Calibration	2	
0105.back49	600	10:17	02:03:24.2	+16:12:25	300	84	3.0	#216 Local Com	2	
0106.COMP	5	10:27	02:03:24.2	+16:12:25	300	85	3.0	0 Calibration	2	
0107.back67	1200	10:30	02:03:48.0	+15:48:42	300	85	3.0	#216 Local Com	2	
0108.COMP	5	10:50	02:03:48.0	+15:48:42	300	85	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0109.back36	480	10:51	02:04:02.6	+15:29:18	300	85	3.0	#216 Local Com	2	
0110.COMP	5	11:00	02:04:02.6	+15:29:18	300	84	3.0	0 Calibration	2	
0111.back33	900	11:01	02:04:12.4	+15:07:52	300	84	3.0	#216 Local Com	2	
0112.COMP	5	11:17	02:04:12.4	+15:07:52	300	84	3.0	0 Calibration	2	
0113.back46	600	11:19	02:04:26.7	+14:08:40	300	90	3.0	#216 Local Com	2	
0114.COMP	5	11:29	02:04:26.7	+14:08:40	300	90	3.0	0 Calibration	2	
0115.back19	360	11:31	02:04:57.5	+14:47:16	300	90	3.0	#216 Local Com	2	
0116.COMP	5	11:37	02:04:57.5	+14:47:16	300	90	3.0	0 Calibration	2	
0117.psnJ0503	1800	11:41	05:03:35.1	+01:34:18	300	90	3.0	#2 SN Observat	2	
0118.COMP	5	12:11	05:03:35.1	+01:34:18	300	90	3.0	0 Calibration	2	
0119.A00195.2	480	12:13	07:50:23.2	+31:59:12	300	90	3.0	#216 Local Com	2	
0120.COMP	5	12:22	07:50:23.2	+31:59:12	300	90	3.0	0 Calibration	2	
0121.A611_1	302	12:23	07:59:51.7	+35:42:36	300	90	3.0	#216 Local Com	2	getting bright
0122.COMP	5	12:29	07:59:51.7	+35:42:36	300	90	3.0	0 Calibration	2	
0123.GITau	240	12:30	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0124.GKTau	240	12:34	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0125.COMP	5	12:39	04:33:34.5	+24:21:07	300	90	3.0	0 Calibration	2	
0126.HD19445	10	12:40	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0127.HD19445	10	12:40	03:08:25.6	+26:19:51	300	90	3.0	#56 Spectropho	2	
0128.HD19445	10	12:41	03:08:25.6	+26:19:51	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>
0129.COMP	5	12:41	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0130-0139.BIAS	0	12:54	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0140-0154.FLAT	7	12:59	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
0155-0159.DARK	900	14:03	03:08:25.6	+26:19:51	300	90	3.0	0 Calibration	2	
test	1800	22:19	07:25:23.0	-03:35:51	300	84	3.0	#12 Symbiotic	2	