

UT Date 2013-05-02 Observers L Macri/R OelkersColl. Focus 1350 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0005-0014.BIAS	0	22:53	03:24:37.8	+31:27:53	300	87	2.0	0 Calibration	4	
0015-0024.FLAT	4	22:55	03:24:37.8	+31:27:53	300	87	2.0	0 Calibration	4	
0025-0034.BIAS	0	22:57	03:24:37.8	+31:27:53	300	87	2.0	0 Calibration	2	
0035-0049.FLAT	7	23:02	03:24:37.8	+31:27:53	300	87	2.0	0 Calibration	2	
0050-0054.DARK	900	00:09	03:24:37.8	+31:27:53	300	87	2.0	0 Calibration	2	
0055.COMP	10	00:37	03:24:37.8	+31:27:53	300	87	2.0	0 Calibration	2	
0056.COMP	10	00:39	03:24:37.8	+31:27:53	300	87	2.0	0 Calibration	2	
0057.COMP	10	00:43	03:24:37.8	+31:27:53	300	87	2.0	0 Calibration	2	
0058.HD84937	30	02:58	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0059.HD84937	30	02:59	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0060.HD84937	30	02:59	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0061.COMP	10	03:01	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0062.Feige34	180	03:03	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0063.Feige34	180	03:06	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0064.Feige34	180	03:09	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0065.COMP	10	03:13	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0066.11120285-2218127	1200	03:23	11:12:02.8	-22:18:13	300	88	3.0	#141 2Mass Red	2	
0067.COMP	10	03:44	11:12:02.8	-22:18:13	300	88	3.0	0 Calibration	2	
0068.A00330.1	1200	03:51	11:03:51.4	+18:15:37	300	88	3.0	#216 Local Com	2	
0069.COMP	10	04:11	11:03:51.4	+18:15:37	300	88	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0070.A01270.1	1200	04:13	11:06:26.7	+13:33:18	300	88	3.0	#216 Local Com	2	
0071.COMP	10	04:34	11:06:26.7	+13:33:18	300	88	3.0	0 Calibration	2	
0072.A01883.1	1200	04:38	11:06:41.4	+34:35:22	300	88	3.0	#216 Local Com	2	
0073.COMP	10	04:59	11:06:41.4	+34:35:22	300	88	3.0	0 Calibration	2	
0074.A00904.2	1800	05:11	11:21:13.0	+39:54:13	300	90	3.0	#216 Local Com	2	
0075.COMP	10	05:41	11:21:13.0	+39:54:13	300	90	3.0	0 Calibration	2	
0076.A00322.1	1800	05:45	11:22:45.3	+59:21:11	300	90	3.0	#216 Local Com	2	
0077.COMP	10	06:16	11:22:45.3	+59:21:11	300	90	3.0	0 Calibration	2	
0078.COMP	10	06:20	11:29:36.1	+42:26:25	300	90	3.0	0 Calibration	2	
0079.A00154.1	1800	06:21	11:29:36.1	+42:26:25	300	90	3.0	#216 Local Com	2	
0080.COMP	10	06:52	11:29:36.1	+42:26:25	300	91	3.0	0 Calibration	2	
0081.A00676.3	1800	07:00	11:45:22.7	+64:26:42	300	91	3.0	#216 Local Com	2	
0082.COMP	10	07:31	11:45:22.7	+64:26:42	300	91	3.0	0 Calibration	2	
0083.TXCVn	10	07:40	12:44:42.0	+36:45:48	300	91	3.0	#12 Symbiotic	2	
0084.TXCVn	30	07:40	12:44:42.0	+36:45:48	300	91	3.0	#12 Symbiotic	2	
0085.COMP	10	07:41	12:44:42.0	+36:45:48	300	91	3.0	0 Calibration	2	
0086.RWHya	2	07:44	13:34:18.0	-25:22:51	300	91	3.0	#12 Symbiotic	2	
0087.RWHya	10	07:44	13:34:18.0	-25:22:51	300	91	3.0	#12 Symbiotic	2	
0088.RWHya	20	07:45	13:34:18.0	-25:22:51	300	91	3.0	#12 Symbiotic	2	
0089.COMP	10	07:46	13:34:18.0	-25:22:51	300	91	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0090.TCrB	15	07:48	15:59:30.0	+25:55:12	300	91	3.0	#12 Symbiotic	2	
0091.TCrB	60	07:49	15:59:30.0	+25:55:12	300	91	3.0	#12 Symbiotic	2	
0092.COMP	10	07:50	15:59:30.0	+25:55:12	300	91	3.0	0 Calibration	2	
0093.AGDra	2	07:52	16:01:41.0	+66:48:10	300	91	3.0	#12 Symbiotic	2	
0094.AGDra	15	07:52	16:01:41.0	+66:48:10	300	91	3.0	#12 Symbiotic	2	
0095.AGDra	60	07:53	16:01:41.0	+66:48:10	300	91	3.0	#12 Symbiotic	2	
0096.COMP	10	07:54	16:01:41.0	+66:48:10	300	91	3.0	0 Calibration	2	
0097.BDp332642	180	08:32	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	
0098.COMP	10	08:35	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0099.lmwd551	810	08:39	17:35:21.7	+21:34:41	600	90	1.5	#178 Low Mass	4	
0100.COMP	10	08:53	17:35:21.7	+21:34:41	600	90	1.5	0 Calibration	4	
0101.lmwd551	810	08:54	17:35:21.7	+21:34:41	600	90	1.5	#178 Low Mass	4	
0102.COMP	10	09:08	17:35:21.7	+21:34:41	600	90	1.5	0 Calibration	4	
0103.lmwd551	810	09:09	17:35:21.7	+21:34:41	600	90	1.5	#178 Low Mass	4	
0104.COMP	10	09:23	17:35:21.7	+21:34:41	600	90	1.5	0 Calibration	4	
0105.lmwd551	810	09:24	17:35:21.7	+21:34:41	600	90	1.5	#178 Low Mass	4	
0106.COMP	10	09:38	17:35:21.7	+21:34:41	600	90	1.5	0 Calibration	4	
0107.lmwd551	810	09:39	17:35:21.7	+21:34:41	600	90	1.5	#178 Low Mass	4	
0108.COMP	10	09:53	17:35:21.7	+21:34:41	600	90	1.5	0 Calibration	4	
0109.lmwd551	810	09:55	17:35:21.7	+21:34:41	600	90	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0110.COMP	10	10:09	17:35:21.7	+21:34:41	600	90	1.5	0 Calibration	4	
0111.lmwd551	810	10:10	17:35:21.7	+21:34:41	600	90	1.5	#178 Low Mass	4	
0112.COMP	10	10:24	17:35:21.7	+21:34:41	600	90	1.5	0 Calibration	4	
0113.lmwd551	810	10:24	17:35:21.7	+21:34:41	600	90	1.5	#178 Low Mass	4	
0114.COMP	10	10:38	17:35:21.7	+21:34:41	600	90	1.5	0 Calibration	4	
0115.lmwd551	810	10:41	17:35:21.7	+21:34:41	600	90	1.5	#178 Low Mass	4	
0116.COMP	10	10:55	17:35:21.7	+21:34:41	600	90	1.5	0 Calibration	4	
0117.lmwd551	810	10:56	17:35:21.7	+21:34:41	600	90	1.5	#178 Low Mass	4	
0118.COMP	10	11:10	17:35:21.7	+21:34:41	600	91	1.5	0 Calibration	4	
0119.lmwd551	810	11:18	17:35:21.7	+21:34:41	600	91	1.5	#178 Low Mass	4	
0120.COMP	10	11:32	17:35:21.7	+21:34:41	600	89	1.5	0 Calibration	4	
0121-0130.BIAS	0	11:39	17:35:21.7	+21:34:41	600	89	1.5	0 Calibration	4	
0131-0145.FLAT	12	11:45	17:35:21.7	+21:34:41	600	89	1.5	0 Calibration	4	
0146-0150.DARK	900	12:47	17:35:21.7	+21:34:41	600	89	1.5	0 Calibration	4	
comp300+600.ms	30	02:51	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	1	

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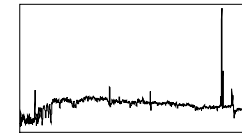
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:23	17:35:21.7	+21:34:41	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	23:27	17:35:21.7	+21:34:41	300	89	3.0	0 Calibration	2	
0026-0030.DARK	900	00:32	17:35:21.7	+21:34:41	300	89	3.0	0 Calibration	2	
0031.HD84937	30	02:51	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0032.COMP	10	02:52	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0033.Feige34	180	02:55	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0034.COMP	10	03:00	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0035.BXMon	15	03:03	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0035.BXMonq.ms	15	03:03	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	1	
0036.BXMon	180	03:04	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	2	
0036.BXMonq.ms	180	03:04	07:25:23.0	-03:35:51	300	89	3.0	#12 Symbiotic	1	
0037.COMP	10	03:07	07:25:23.0	-03:35:51	300	89	3.0	0 Calibration	2	
0038.BGGem	300	03:10	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0038.BGGemq.ms	300	03:10	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	1	
0039.COMP	10	03:16	06:03:31.0	+27:41:50	300	90	3.0	0 Calibration	2	
0040.10565106+7742591	1800	03:28	10:56:51.1	+77:42:59	300	90	3.0	#141 2Mass Red	2	
0040.10565106+7742591q.ms	1800	03:28	10:56:51.1	+77:42:59	300	90	3.0	#141 2Mass Red	1	
0041.COMP	10	03:58	10:56:51.1	+77:42:59	300	90	3.0	0 Calibration	2	
0042.A01528.1	1800	04:08	11:18:27.2	+06:49:50	300	90	3.0	#216 Local Com	2	
0042.A01528.1q.ms	1800	04:08	11:18:27.2	+06:49:50	300	90	3.0	#216 Local Com	1	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043.COMP	10	04:38	11:18:27.2	+06:49:50	300	90	3.0	0 Calibration	2	
0044.A01768.1	1800	04:42	11:32:44.6	+04:08:11	300	89	3.0	#216 Local Com	2	
0044.A01768.1q.ms	1800	04:42	11:32:44.6	+04:08:11	300	89	3.0	#216 Local Com	1	
0045.COMP	10	05:13	11:32:44.6	+04:08:11	300	89	3.0	0 Calibration	2	
0046.12482238-2148571	1800	05:17	12:48:22.4	-21:48:57	300	89	3.0	#141 2Mass Red	2	
0046.12482238-2148571q.ms	1800	05:17	12:48:22.4	-21:48:57	300	89	3.0	#141 2Mass Red	1	
0047.COMP	10	05:47	12:48:22.4	-21:48:57	300	89	3.0	0 Calibration	2	
0048.PSNJ13265132	900	05:54	13:26:51.3	-10:01:32	300	89	3.0	#2 SN Observat	2	
0048.PSNJ13265132q.ms	900	05:54	13:26:51.3	-10:01:32	300	89	3.0	#2 SN Observat	1	
0049.PSNJ13265132	900	06:11	13:26:51.3	-10:01:32	300	89	3.0	#2 SN Observat	2	
0050.COMP	10	06:27	13:26:51.3	-10:01:32	300	89	3.0	0 Calibration	2	
0051.A01044.3	1500	06:35	12:08:02.1	+09:46:25	300	89	3.0	#216 Local Com	2	
0051.A01044.3q.ms	1500	06:35	12:08:02.1	+09:46:25	300	89	3.0	#216 Local Com	1	
0052.COMP	10	07:00	12:08:02.1	+09:46:25	300	89	3.0	0 Calibration	2	
0053.A00275.1	1500	07:06	12:09:32.3	+10:46:29	300	89	3.0	#216 Local Com	2	
0053.A00275.1q.ms	1500	07:06	12:09:32.3	+10:46:29	300	89	3.0	#216 Local Com	1	
0054.COMP	10	07:31	12:09:32.3	+10:46:29	300	89	3.0	0 Calibration	2	
0055.A00275.2	1500	07:35	12:09:33.9	+10:45:59	300	89	3.0	#216 Local Com	2	
0055.A00275.2q.ms	1500	07:35	12:09:33.9	+10:45:59	300	89	3.0	#216 Local Com	1	
0056.COMP	10	08:01	12:09:33.9	+10:45:59	300	89	3.0	0 Calibration	2	

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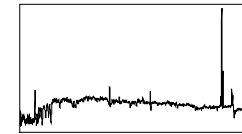
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0057.A00076.1	1800	08:06	14:00:41.9	+15:09:45	300	89	3.0	#216 Local Com	2	
0057.A00076.1q.ms	1800	08:06	14:00:41.9	+15:09:45	300	89	3.0	#216 Local Com	1	
0058.COMP	10	08:36	14:00:41.9	+15:09:45	300	89	3.0	0 Calibration	2	
0059.A00076.2	1800	08:39	14:00:42.4	+15:10:12	300	89	3.0	#216 Local Com	2	
0059.A00076.2q.ms	1800	08:39	14:00:42.4	+15:10:12	300	89	3.0	#216 Local Com	1	
0060.COMP	10	09:09	14:00:42.4	+15:10:12	300	89	3.0	0 Calibration	2	
0061.A01615.1	1500	09:12	14:01:19.6	+14:04:46	300	89	3.0	#216 Local Com	2	
0062.COMP	10	09:38	14:01:19.6	+14:04:46	300	89	3.0	0 Calibration	2	
0063.AS210	5	09:42	16:51:20.3	-26:00:33	300	89	3.0	#12 Symbiotic	2	
0063.AS210q.ms	5	09:42	16:51:20.3	-26:00:33	300	89	3.0	#12 Symbiotic	1	
0064.AS210	300	09:42	16:51:20.3	-26:00:33	300	89	3.0	#12 Symbiotic	2	
0064.AS210q.ms	300	09:42	16:51:20.3	-26:00:33	300	89	3.0	#12 Symbiotic	1	
0065.COMP	10	09:48	16:51:20.3	-26:00:33	300	89	3.0	0 Calibration	2	
0066.Hen1341	12	09:53	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0067.Hen1341	30	09:54	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0067.Hen1341q.ms	30	09:54	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	1	
0068.Hen1341	60	09:55	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0069.COMP	10	09:56	17:08:36.0	-17:26:30	300	89	3.0	0 Calibration	2	
0070.DracoC1	1800	10:07	17:19:58.0	+57:50:06	300	89	3.0	#12 Symbiotic	2	
0070.DracoC1q.ms	1800	10:07	17:19:58.0	+57:50:06	300	89	3.0	#12 Symbiotic	1	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0071.COMP	10	10:37	17:19:58.0	+57:50:06	300	89	3.0	0 Calibration	2	
0072.YYHer	10	10:40	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0072.YYHerq.ms	10	10:40	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	1	
0073.YYHer	60	10:40	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0073.YYHerq.ms	60	10:40	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	1	
0074.COMP	10	10:42	18:14:34.0	+20:59:19	300	89	3.0	0 Calibration	2	
0075.V443Her	5	10:45	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0075.V443Herq.ms	5	10:45	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	1	
0076.V443Her	45	10:45	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0076.V443Herq.ms	45	10:45	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	1	
0077.V443Her	90	10:46	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	2	
0077.V443Herq.ms	90	10:46	18:22:07.0	+23:27:20	300	89	3.0	#12 Symbiotic	1	
0078.COMP	10	10:48	18:22:07.0	+23:27:20	300	89	3.0	0 Calibration	2	
0079.AS316	30	10:53	18:42:33.0	-21:17:47	300	89	3.0	#12 Symbiotic	2	
0079.AS316q.ms	30	10:53	18:42:33.0	-21:17:47	300	89	3.0	#12 Symbiotic	1	
0080.AS316	300	10:54	18:42:33.0	-21:17:47	300	89	3.0	#12 Symbiotic	2	
0080.AS316q.ms	300	10:54	18:42:33.0	-21:17:47	300	89	3.0	#12 Symbiotic	1	
0081.COMP	10	11:00	18:42:33.0	-21:17:47	300	89	3.0	0 Calibration	2	
0082.RS0ph	10	11:05	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0082.RS0phq.ms	10	11:05	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	1	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.RS0ph	60	11:05	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0084.RS0ph	150	11:07	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0084.RS0phq.ms	150	11:07	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	1	
0085.COMP	10	11:09	17:50:13.0	-06:42:30	300	89	3.0	0 Calibration	2	
0086.AS270	60	11:13	18:05:33.7	-20:20:38	300	89	3.0	#12 Symbiotic	2	
0086.AS270q.ms	60	11:13	18:05:33.7	-20:20:38	300	89	3.0	#12 Symbiotic	1	
0087.AS270	300	11:14	18:05:33.7	-20:20:38	300	89	3.0	#12 Symbiotic	2	
0087.AS270q.ms	300	11:14	18:05:33.7	-20:20:38	300	89	3.0	#12 Symbiotic	1	
0088.COMP	10	11:20	18:05:33.7	-20:20:38	300	89	3.0	0 Calibration	2	
0089.Hen1591	120	11:25	18:07:32.0	-25:53:43	300	89	3.0	#12 Symbiotic	2	
0089.Hen1591q.ms	120	11:25	18:07:32.0	-25:53:43	300	89	3.0	#12 Symbiotic	1	
0090.Hen1591	300	11:28	18:07:32.0	-25:53:43	300	89	3.0	#12 Symbiotic	2	
0091.COMP	10	11:33	18:07:32.0	-25:53:43	300	89	3.0	0 Calibration	2	
0092.N5866	300	11:36	15:06:29.5	+55:45:48	300	89	3.0	#57 Velocity S	2	
0092.N5866q.ms	300	11:36	15:06:29.5	+55:45:48	300	89	3.0	#57 Velocity S	1	
0093.COMP	10	11:42	15:06:29.5	+55:45:48	300	89	3.0	0 Calibration	2	
0094-0103.BIAS	0	11:52	15:06:29.5	+55:45:48	300	89	3.0	0 Calibration	2	
0104-0118.FLAT	7	11:57	15:06:29.5	+55:45:48	300	89	3.0	0 Calibration	2	
0119-0123.DARK	900	13:02	15:06:29.5	+55:45:48	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 2013-05-04 Observers Macri/OelkersColl. Focus 1350 Grating/Grism 300

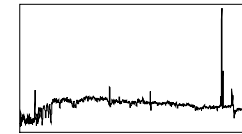
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:23	15:06:29.5	+55:45:48	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	23:27	15:06:29.5	+55:45:48	300	89	3.0	0 Calibration	2	
0026-0030.DARK	900	00:32	15:06:29.5	+55:45:48	300	89	3.0	0 Calibration	2	
0031.Feige34	180	03:03	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0032.COMP	10	03:06	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0033.HD84937	30	03:08	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0034.COMP	10	03:09	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0035.N3379	300	03:11	10:47:49.6	+12:34:54	300	89	3.0	#57 Velocity S	2	
0036.COMP	10	03:17	10:47:49.6	+12:34:54	300	89	3.0	0 Calibration	2	
0037.A01482.1	1800	03:26	12:14:29.2	+30:08:38	300	89	3.0	#216 Local Com	2	
0038.COMP	10	03:57	12:14:29.2	+30:08:38	300	88	3.0	0 Calibration	2	
0039.A00395.1	1800	04:03	12:26:45.2	+21:25:10	300	88	3.0	#216 Local Com	2	
0040.COMP	10	04:33	12:26:45.2	+21:25:10	300	88	3.0	0 Calibration	2	
0041.A00395.1	1800	04:34	12:26:45.2	+21:25:10	300	88	3.0	#216 Local Com	2	
0042.COMP	10	05:05	12:26:45.2	+21:25:10	300	88	3.0	0 Calibration	2	
0043.A00845.2	1800	05:10	13:21:52.8	+21:43:53	300	89	3.0	#216 Local Com	2	
0044.COMP	10	05:40	13:21:52.8	+21:43:53	300	89	3.0	0 Calibration	2	
0045.A01080.1	1800	07:23	14:28:00.2	+12:34:23	300	90	3.0	#216 Local Com	2	

UT Date 2013-05-05 Observers Macri/OelkersColl. Focus 1350 Grating/Grism 300

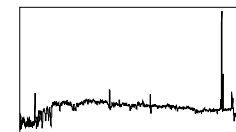
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:13	14:28:00.2	+12:34:23	300	90	3.0	0 Calibration	2	
0011-0025.FLAT	7	23:18	14:28:00.2	+12:34:23	300	90	3.0	0 Calibration	2	
0026-0030.DARK	900	00:22	14:28:00.2	+12:34:23	300	90	3.0	0 Calibration	2	
0031.HD84937	30	02:52	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0032.COMP	10	02:53	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0033.Feige34	180	02:55	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0034.COMP	10	02:59	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0035.N3379	300	03:01	10:47:49.6	+12:34:54	300	90	3.0	#57 Velocity S	2	
0036.COMP	10	03:07	10:47:49.6	+12:34:54	300	90	3.0	0 Calibration	2	
0037.Pbcg034	1200	03:09	10:49:43.5	+16:16:36	300	90	3.0	#210 Brightest	2	
0038.COMP	10	03:30	10:49:43.5	+16:16:36	300	90	3.0	0 Calibration	2	
0039.Pbcg033	900	03:34	10:49:26.1	+15:50:52	300	49	3.0	#210 Brightest	2	
0040.COMP	10	03:49	10:49:26.1	+15:50:52	300	50	3.0	0 Calibration	2	
0041.Pbcg039	1200	03:52	10:50:52.6	+17:27:22	300	90	3.0	#210 Brightest	2	
0042.COMP	10	04:13	10:50:52.6	+17:27:22	300	90	3.0	0 Calibration	2	
0043.A01385.2	1800	04:31	12:02:12.4	+59:09:12	300	90	3.0	#216 Local Com	2	
0044.COMP	10	05:02	12:02:12.4	+59:09:12	300	89	3.0	0 Calibration	2	
0045.A01628.1	1800	05:04	12:24:30.1	+66:34:01	300	89	3.0	#216 Local Com	2	
0046.COMP	10	05:34	12:24:30.1	+66:34:01	300	89	3.0	0 Calibration	2	
0047.A01723.1	1800	05:40	13:01:58.6	+37:47:42	300	89	3.0	#216 Local Com	2	

UT Date 2013-05-05 Observers Macri/OelkersColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.COMP	10	06:10	13:01:58.6	+37:47:42	300	90	3.0	0 Calibration	2	
0049.A00661.1	900	06:12	13:39:05.0	+43:47:02	300	90	3.0	#216 Local Com	2	
0050.COMP	10	06:28	13:39:05.0	+43:47:02	300	89	3.0	0 Calibration	2	
0051.A00462.1	900	06:30	13:40:45.6	+07:12:41	300	89	3.0	#216 Local Com	2	
0052.COMP	10	06:46	13:40:45.6	+07:12:41	300	89	3.0	0 Calibration	2	
0053.A01080.1	1200	06:48	14:28:00.2	+12:34:23	300	89	3.0	#216 Local Com	2	
0054.COMP	10	07:09	14:28:00.2	+12:34:23	300	90	3.0	0 Calibration	2	
0055.17173934-0325506	1800	07:21	17:17:39.3	-03:25:51	300	90	3.0	#141 2Mass Red	2	
0056.17173934-0325506	1800	07:53	17:17:39.3	-03:25:51	300	88	3.0	#141 2Mass Red	2	
0057.COMP	10	08:24	17:17:39.3	-03:25:51	300	88	3.0	0 Calibration	2	
0058.Pbcg197	900	09:39	17:02:09.1	+29:05:57	300	88	3.0	#210 Brightest	2	
0059.COMP	10	09:55	17:02:09.1	+29:05:57	300	88	3.0	0 Calibration	2	
0060.Pbcg198	1200	09:57	17:02:13.6	+29:32:45	300	88	3.0	#210 Brightest	2	
0061.COMP	10	10:17	17:02:13.6	+29:32:45	300	90	3.0	0 Calibration	2	
0062.Pbcg206	1200	10:23	17:09:37.0	+28:37:03	300	90	3.0	#210 Brightest	2	
0063.COMP	10	10:45	17:09:37.0	+28:37:03	300	90	3.0	0 Calibration	2	
0064.Pbcg188	1200	10:47	15:24:24.7	+26:25:36	300	90	3.0	#210 Brightest	2	
0065.COMP	10	11:08	15:24:24.7	+26:25:36	300	90	3.0	0 Calibration	2	
0066.Pbcg194	900	11:11	16:45:55.4	+30:00:38	300	90	3.0	#210 Brightest	2	
0067.COMP	10	11:27	16:45:55.4	+30:00:38	300	89	3.0	0 Calibration	2	

UT Date 2013-05-05 Observers Macri/OelkersColl. Focus 1350 Grating/Grism 300

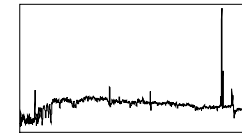
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0068-0077.BIAS	0	11:40	16:45:55.4	+30:00:38	300	89	3.0	0 Calibration	2	
0078-0092.FLAT	7	11:45	16:45:55.4	+30:00:38	300	89	3.0	0 Calibration	2	
0093-0097.DARK	900	12:49	16:45:55.4	+30:00:38	300	89	3.0	0 Calibration	2	
check	30	02:52	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	

UT Date 2013-05-06 Observers Hwang/SohnColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0002-0011.BIAS	0	23:25	16:45:55.4	+30:00:38	300	89	3.0	0 Calibration	2	
0012-0026.FLAT	7	23:30	16:45:55.4	+30:00:38	300	89	3.0	0 Calibration	2	
0027-0031.DARK	900	00:35	16:45:55.4	+30:00:38	300	89	3.0	0 Calibration	2	
0032.BDp262606	90	07:16	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	thick clouds
0033.COMP	10	07:18	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0034.PSNJ13265132	1003	07:28	13:26:51.3	-10:01:32	300	90	3.0	#2 SN Observat	2	abort because of thick clouds
0035.BIAS	0	08:07	15:40:13.6	+31:33:12	300	90	3.0	0 Calibration	2	restart gofast because Telshell freezes
0036.BIAS	0	08:43	15:42:44.6	+26:17:44	300	90	3.0	0 Calibration	2	
0037.BDp262606	90	09:17	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0038.COMP	10	09:19	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0039.BDp332642	120	09:21	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0040.COMP	10	09:23	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0041.N5866	480	09:30	15:06:29.5	+55:45:48	300	89	3.0	#57 Velocity S	2	
0042.COMP	10	09:43	15:06:38.6	+55:46:07	300	89	3.0	0 Calibration	2	
0043.BIAS	0	09:44	15:06:38.6	+55:46:07	300	89	3.0	0 Calibration	2	
0044.Pbcg168	1200	10:15	14:48:22.9	+18:21:17	300	89	3.0	#210 Brightest	2	
0045.COMP	10	10:35	14:48:22.9	+18:21:17	300	89	3.0	0 Calibration	2	
0046.Pbcg167	900	10:38	14:48:22.7	+18:21:12	300	89	3.0	#210 Brightest	2	
0047.COMP	10	10:54	14:48:22.7	+18:21:12	300	89	3.0	0 Calibration	2	
0048.Pbcg192	900	10:56	15:43:59.3	+17:03:43	300	89	3.0	#210 Brightest	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0049.COMP	10	11:12	15:43:59.3	+17:03:43	300	89	3.0	0 Calibration	2	
0050.AS296	30	11:14	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0051.AS296	120	11:15	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0052.COMP	10	11:17	18:15:07.0	-00:18:52	300	89	3.0	0 Calibration	2	
0053.V919Sgr	15	11:19	19:03:45.0	-16:59:56	300	89	3.0	#12 Symbiotic	2	
0054.V919Sgr	30	11:20	19:03:45.0	-16:59:56	300	89	3.0	#12 Symbiotic	2	
0055.COMP	10	11:21	19:03:45.0	-16:59:56	300	89	3.0	0 Calibration	2	
0056.BFCyg	15	11:23	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0057.BFCyg	15	11:23	19:23:53.0	+29:40:27	300	89	3.0	#12 Symbiotic	2	
0058.COMP	10	11:24	19:23:53.0	+29:40:27	300	89	3.0	0 Calibration	2	
0059.CHCyg	1	11:25	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0060.CHCyg	5	11:26	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0061.CHCyg	30	11:26	19:24:33.0	+50:14:30	300	89	3.0	#12 Symbiotic	2	
0062.COMP	10	11:27	19:24:33.0	+50:14:30	300	89	3.0	0 Calibration	2	
0063.CICyg	4	11:29	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0064.CICyg	15	11:29	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0065.COMP	10	11:30	19:50:12.0	+35:41:02	300	89	3.0	0 Calibration	2	
0066.PUVul	1	11:31	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0067.PUVul	10	11:32	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0068.PUVul	60	11:32	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	

UT Date 2013-05-06 Observers Hwang/SohnColl. 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>
0069.COMP	10	11:34	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	
0070-0079.BIAS	0	12:02	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	
0080-0094.FLAT	7	12:06	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	
0095-0099.DARK	900	13:11	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	

UT Date 2013-05-07 Observers Hwang/SohnColl. Focus 1350 Grating/Grism 300

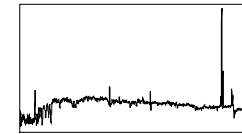
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:33	07:00:54.9	+31:31:49	300	88	3.0	0 Calibration	2	
0011-0025.FLAT	7	23:38	07:00:54.9	+31:31:49	300	88	3.0	0 Calibration	2	
0026-0030.DARK	900	00:42	07:00:54.9	+31:31:49	300	88	3.0	0 Calibration	2	
0031.HD84937	30	03:04	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	Out of focus - not use?
0032.COMP	10	03:05	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	Out of focus - not use?
0033.HD84937	30	03:06	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	Out of focus - not use?
0034.COMP	10	03:07	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	Out of focus - not use?
0035.Feige34	180	03:10	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	Out of focus - not use?
0036.COMP	10	03:14	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	Out of focus - not use?
0037.N3377	300	03:17	10:47:42.4	+13:59:08	300	88	3.0	#57 Velocity S	2	Out of focus - not use?
0038.COMP	10	03:22	10:47:42.4	+13:59:08	300	88	3.0	0 Calibration	2	Out of focus - not use?
0039.HD84937	30	03:28	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0040.COMP	10	03:29	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0041.HD84937	30	03:38	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0042.COMP	10	03:39	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0043.Feige34	180	03:40	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0044.COMP	10	03:44	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0045.N3377	300	03:46	10:47:42.4	+13:59:08	300	88	3.0	#57 Velocity S	2	
0046.COMP	10	03:51	10:47:42.4	+13:59:08	300	88	3.0	0 Calibration	2	
0047.Pbcg010	900	03:54	09:12:14.7	+16:49:37	300	88	3.0	#210 Brightest	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0047.tmp	900	03:54	09:12:14.7	+16:49:37	300	88	3.0	#210 Brightest	1	
0048.COMP	10	04:09	09:12:14.7	+16:49:37	300	88	3.0	0 Calibration	2	
0049.Pbcg013	1200	04:15	09:12:35.2	+16:00:01	300	89	3.0	#210 Brightest	2	
0050.COMP	10	04:36	09:12:35.2	+16:00:01	300	89	3.0	0 Calibration	2	
0051.Pbcg024	1200	04:39	09:54:59.1	+32:37:19	300	88	3.0	#210 Brightest	2	
0052.COMP	10	05:00	09:54:59.1	+32:37:19	300	88	3.0	0 Calibration	2	
0053.PSNJ13265132	1800	05:03	13:26:51.3	-10:01:32	300	89	3.0	#2 SN Observat	2	
0054.COMP	10	05:34	13:26:51.3	-10:01:32	300	89	3.0	0 Calibration	2	
0055.PSNJ13155125	1800	05:49	13:15:51.3	+42:01:37	300	89	3.0	#2 SN Observat	2	
0056.COMP	10	06:19	13:15:51.3	+42:01:37	300	89	3.0	0 Calibration	2	
0057.A00724.1	1200	06:23	11:18:26.8	+04:59:30	300	88	3.0	#216 Local Com	2	
0058.COMP	10	06:44	11:18:26.8	+04:59:30	300	88	3.0	0 Calibration	2	
0059.A00559.3	1200	06:56	13:06:35.5	+18:37:12	300	88	3.0	#216 Local Com	2	
0060.COMP	10	07:17	13:06:35.5	+18:37:12	300	88	3.0	0 Calibration	2	
0061.A00559.2	1200	07:19	13:06:40.7	+18:35:59	300	88	3.0	#216 Local Com	2	
0062.COMP	10	07:39	13:06:40.7	+18:35:59	300	88	3.0	0 Calibration	2	
0063.A00533.1	1500	07:43	13:07:58.9	+09:00:16	300	89	3.0	#216 Local Com	2	
0064.COMP	10	08:09	13:07:58.9	+09:00:16	300	89	3.0	0 Calibration	2	
0065.A02076.1	1200	08:12	13:54:19.0	+23:13:48	300	88	3.0	#216 Local Com	2	
0066.COMP	10	08:32	13:54:19.0	+23:13:48	300	88	3.0	0 Calibration	2	

UT Date 2013-05-07 Observers Hwang/SohnColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.Pbcg097	900	08:37	13:48:38.5	+26:04:23	300	89	3.0	#210 Brightest	2	
0068.COMP	10	08:52	13:48:38.5	+26:04:23	300	88	3.0	0 Calibration	2	
0069.Pbcg098	900	08:59	13:48:42.5	+25:45:26	300	88	3.0	#210 Brightest	2	
0070.COMP	10	09:15	13:48:42.5	+25:45:26	300	88	3.0	0 Calibration	2	
0071.Pbcg113	720	09:18	14:12:02.1	+24:41:39	300	88	3.0	#210 Brightest	2	
0072.COMP	10	09:31	14:12:02.1	+24:41:39	300	88	3.0	0 Calibration	2	
0073.Pbcg114	900	09:33	14:18:22.9	+49:36:14	300	88	3.0	#210 Brightest	2	
0074.COMP	10	09:49	14:18:22.9	+49:36:14	300	88	3.0	0 Calibration	2	
0075.17173934-0325506	1800	09:55	17:17:39.3	-03:25:51	300	88	3.0	#141 2MASS Red	2	
0076.COMP	10	10:25	17:17:39.3	-03:25:51	300	89	3.0	0 Calibration	2	
0077.AS289	15	10:27	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	2	
0078.AS289	420	10:28	18:12:22.0	-11:40:08	300	89	3.0	#12 Symbiotic	2	
0079.COMP	10	10:35	18:12:22.0	-11:40:08	300	89	3.0	0 Calibration	2	
0080.AS338	90	10:39	19:03:47.0	+16:26:17	300	88	3.0	#12 Symbiotic	2	
0081.AS338	600	10:41	19:03:47.0	+16:26:17	300	88	3.0	#12 Symbiotic	2	
0082.COMP	10	10:52	19:03:47.0	+16:26:17	300	86	3.0	0 Calibration	2	
0083.AS360	60	10:56	19:45:49.0	+18:36:49	300	86	3.0	#12 Symbiotic	2	
0084.AS360	300	10:57	19:45:49.0	+18:36:49	300	86	3.0	#12 Symbiotic	2	
0085.COMP	10	11:03	19:45:49.0	+18:36:49	300	86	3.0	0 Calibration	2	
0086.Pbcg195	900	11:05	17:00:54.0	+30:08:14	300	87	3.0	#210 Brightest	2	



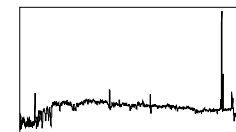
UT Date 2013-05-07 Observers Hwang/Sohn

Coll. Focus 1350 Grating/Grism 300

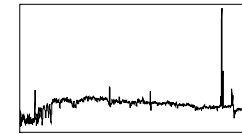
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0087.COMP	10	11:20	17:00:54.0	+30:08:14	300	87	3.0	0 Calibration	2	
0088.Pbcg196	900	11:22	17:01:07.8	+29:24:25	300	87	3.0	#210 Brightest	2	Cloud at the end
0089.COMP	10	11:37	17:01:07.8	+29:24:25	300	87	3.0	0 Calibration	2	
0090-0099.BIAS	0	11:56	17:01:07.8	+29:24:25	300	89	3.0	0 Calibration	2	
0100-0114.FLAT	7	12:01	17:01:07.8	+29:24:25	300	89	3.0	0 Calibration	2	
0115-0119.DARK	900	13:05	17:01:07.8	+29:24:25	300	89	3.0	0 Calibration	2	

UT Date 2013-05-08 Observers WBrownColl. Focus 1360 Grating/Grism 600

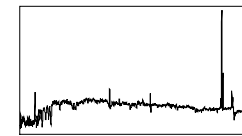
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.fastfoc	5	19:24	17:01:07.8	+29:24:25	300	90	3.0	All	4	x9 foc=1330
0002.fastfoc	5	19:24	17:01:07.8	+29:24:25	300	90	3.0	All	4	
0003.fastfoc	5	19:24	17:01:07.8	+29:24:25	300	90	3.0	All	4	
0004.fastfoc	5	19:25	17:01:07.8	+29:24:25	300	90	3.0	All	4	
0005.fastfoc	5	19:25	17:01:07.8	+29:24:25	300	90	3.0	All	4	
0006.fastfoc	5	19:25	17:01:07.8	+29:24:25	300	90	3.0	All	4	
0007.fastfoc	5	19:25	17:01:07.8	+29:24:25	300	90	3.0	All	4	
0008.fastfoc	5	19:26	17:01:07.8	+29:24:25	300	90	3.0	All	4	
0009.fastfoc	5	19:26	17:01:07.8	+29:24:25	300	90	3.0	All	4	
0010.BIAS	0	19:29	17:01:07.8	+29:24:25	300	90	3.0	0 Calibration	2	x10
0011-0019.BIAS	0	19:31	17:01:07.8	+29:24:25	300	90	3.0	0 Calibration	2	
0020.BIAS	0	19:33	17:01:07.8	+29:24:25	300	90	3.0	0 Calibration	4	x10
0021-0029.BIAS	0	19:34	17:01:07.8	+29:24:25	300	90	3.0	0 Calibration	4	
0030.DARK	900	19:35	17:01:07.8	+29:24:25	300	90	3.0	0 Calibration	4	x10
0031-0039.DARK	900	21:53	17:01:07.8	+29:24:25	300	90	3.0	0 Calibration	4	
0040.DARK	900	22:08	17:01:07.8	+29:24:25	300	90	3.0	0 Calibration	2	x10
0041-0049.DARK	900	00:26	17:01:07.8	+29:24:25	300	90	3.0	0 Calibration	2	
0050.FLAT	12	02:10	17:01:07.8	+29:24:25	600	90	1.5	0 Calibration	4	x10
0051-0059.FLAT	12	02:14	17:01:07.8	+29:24:25	600	90	1.5	0 Calibration	4	
0060.Feige34	180	03:01	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0061.COMP	10	03:05	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0062.lmwd034	960	03:09	07:45:11.6	+19:49:27	600	90	1.5	#178 Low Mass	4	
0063.COMP	10	03:25	07:45:11.6	+19:49:27	600	90	1.5	0 Calibration	4	
0064.lmwd034	1020	03:26	07:45:11.6	+19:49:27	600	90	1.5	#178 Low Mass	4	
0065.COMP	10	03:43	07:45:11.6	+19:49:27	600	90	1.5	0 Calibration	4	
0066.lmwd034	1020	03:44	07:45:11.6	+19:49:27	600	90	1.5	#178 Low Mass	4	
0067.COMP	10	04:01	07:45:11.6	+19:49:27	600	90	1.5	0 Calibration	4	
0068.lmwd034	1200	04:02	07:45:11.6	+19:49:27	600	90	1.5	#178 Low Mass	4	
0069.COMP	10	04:22	07:45:11.6	+19:49:27	600	90	1.5	0 Calibration	4	
0070.lmwd034	1200	04:23	07:45:11.6	+19:49:27	600	90	1.5	#178 Low Mass	4	
0071.COMP	10	04:43	07:45:11.6	+19:49:27	600	90	1.5	0 Calibration	4	
0072.hotwd123	900	04:47	14:24:51.1	+43:09:25	600	89	1.5	#178 Low Mass	4	
0073.COMP	10	05:03	14:24:51.1	+43:09:25	600	89	1.5	0 Calibration	4	
0074.hotwd129	1200	05:06	14:51:18.7	+51:10:47	600	89	1.5	#178 Low Mass	4	
0075.COMP	10	05:27	14:51:18.7	+51:10:47	600	90	1.5	0 Calibration	4	
0076.hotwd122	1340	05:29	14:17:35.9	+08:02:07	600	89	1.5	#178 Low Mass	4	
0077.COMP	10	05:51	14:17:35.9	+08:02:07	600	89	1.5	0 Calibration	4	
0078.hotwd127	1310	05:54	14:42:39.1	+17:22:11	600	88	1.5	#178 Low Mass	4	
0079.COMP	10	06:17	14:42:39.1	+17:22:11	600	88	1.5	0 Calibration	4	
0080.hotwd124	600	06:32	14:26:05.3	-22:04:41	600	89	1.5	#178 Low Mass	4	

UT Date 2013-05-08 Observers WBrownColl. Focus 1360 Grating/Grism 600

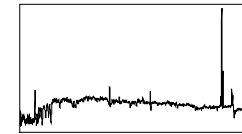
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.COMP	10	06:43	14:26:05.3	-22:04:41	600	89	1.5	0 Calibration	4	
0082.hotwd133	840	06:48	15:10:32.9	+02:12:08	600	89	1.5	#178 Low Mass	4	
0083.COMP	10	07:03	15:10:32.9	+02:12:08	600	89	1.5	0 Calibration	4	
0084.hotwd125	1140	07:04	14:29:51.1	-21:43:37	600	89	1.5	#178 Low Mass	4	clouds heavy
0085.COMP	10	07:24	14:29:51.1	-21:43:37	600	89	1.5	0 Calibration	4	
0087.hotwd126	1500	09:12	14:41:44.5	+10:05:57	600	90	1.5	#178 Low Mass	4	
0088.COMP	10	09:38	14:41:44.5	+10:05:57	600	90	1.5	0 Calibration	4	
0089.hotwd135	1200	10:20	15:17:17.2	+02:19:38	600	90	1.5	#178 Low Mass	4	
0090.COMP	10	10:40	15:17:17.2	+02:19:38	600	90	1.5	0 Calibration	4	
0091.hotwd146	1280	10:42	16:05:20.5	+08:57:05	600	80	1.5	#178 Low Mass	4	
0092.COMP	10	11:04	16:05:20.5	+08:57:05	600	81	1.5	0 Calibration	4	
0093.hotwd148	1040	11:05	16:26:18.3	+11:24:34	600	89	1.5	#178 Low Mass	4	
0094.COMP	10	11:23	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	4	
0095.BIAS	0	11:24	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	4	x5
0096-0099.BIAS	0	11:25	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	4	
0100.FLAT	12	11:26	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	4	x10
0101-0109.FLAT	12	11:29	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	4	
0110-0119.DARK	900	14:09	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	4	
0120-0124.DARK	900	15:25	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	19:54	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	4	x10
0002-0009.BIAS	0	19:55	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	4	
0010.DARK	900	20:02	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	4	x10
0011-0019.DARK	900	22:19	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	4	
0020.DARK	900	22:34	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	2	x10
0021-0029.DARK	900	00:52	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	2	
0030.BIAS	0	01:10	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	2	x10
0031-0039.BIAS	0	01:12	16:26:18.3	+11:24:34	600	89	1.5	0 Calibration	2	
0040.COMP	5	01:21	16:26:18.3	+11:24:34	300	89	3.0	0 Calibration	2	
0041.COMP	5	01:24	16:26:18.3	+11:24:34	300	89	3.0	0 Calibration	2	300 line
0042.FLAT	7	01:32	16:26:18.3	+11:24:34	300	89	3.0	0 Calibration	2	x18
0043-0059.FLAT	7	01:38	16:26:18.3	+11:24:34	300	89	3.0	0 Calibration	2	
0060.HD84937	30	03:05	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0061.COMP	10	03:07	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0062.Feige34	180	03:08	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0063.COMP	10	03:11	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0064.DASCH_J0804+5316	120	03:13	08:04:09.1	+53:16:43	300	88	3.0	#192 DASCH Lon	2	
0065.COMP	10	03:16	08:04:09.1	+53:16:43	300	88	3.0	0 Calibration	2	
0066.A00297.1	1200	03:18	11:45:25.3	+09:56:35	300	89	3.0	#216 Local Com	2	
0067.COMP	10	03:38	11:45:25.3	+09:56:35	300	89	3.0	0 Calibration	2	

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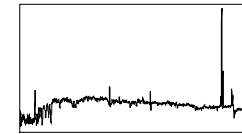
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.Pbcg011	1200	03:41	09:12:28.2	+16:35:08	300	90	3.0	#210 Brightest	2	obj on top (row 80)
0069.COMP	10	04:02	09:12:28.2	+16:35:08	300	90	3.0	0 Calibration	2	
0070.Pbcg012	1200	04:03	09:12:29.5	+16:00:25	300	89	3.0	#210 Brightest	2	
0071.COMP	10	04:23	09:12:29.5	+16:00:25	300	89	3.0	0 Calibration	2	
0072.Pbcg022	900	04:24	09:17:39.2	+15:22:45	300	89	3.0	#210 Brightest	2	
0073.COMP	10	04:40	09:17:39.2	+15:22:45	300	90	3.0	0 Calibration	2	
0074.Pbcg023	900	04:41	09:18:11.4	+16:13:37	300	90	3.0	#210 Brightest	2	
0075.COMP	10	04:56	09:18:11.4	+16:13:37	300	90	3.0	0 Calibration	2	
0076.Pbcg025	840	04:57	09:55:08.1	+33:46:18	300	90	3.0	#210 Brightest	2	
0077.COMP	10	05:12	09:55:08.1	+33:46:18	300	89	3.0	0 Calibration	2	
0078.A00346.1	720	05:13	11:33:33.4	+07:53:40	300	89	3.0	#216 Local Com	2	
0079.COMP	10	05:26	11:33:33.4	+07:53:40	300	90	3.0	0 Calibration	2	
0080.A00067.1	900	05:27	11:45:15.3	+11:29:38	300	90	3.0	#216 Local Com	2	
0081.COMP	10	05:42	11:45:15.3	+11:29:38	300	90	3.0	0 Calibration	2	
0082.A00168.1	840	05:43	11:49:19.1	+09:25:43	300	90	3.0	#216 Local Com	2	
0083.COMP	10	05:57	11:49:19.1	+09:25:43	300	90	3.0	0 Calibration	2	
0084.BDp332642	120	06:03	15:51:59.9	+32:56:54	600	90	1.5	#56 Spectropho	4	600 line
0085.COMP	10	06:05	15:51:59.9	+32:56:54	600	90	1.5	0 Calibration	4	
0086.hotwd134	980	06:07	15:13:25.1	+26:24:05	600	90	1.5	#178 Low Mass	4	bad ADC ; re-homing
0087.COMP	10	06:23	15:13:25.1	+26:24:05	600	88	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.hotwd125	870	06:32	14:29:51.1	-21:43:37	600	89	1.5	#178 Low Mass	4	
0089.COMP	10	06:47	14:29:51.1	-21:43:37	600	89	1.5	0 Calibration	4	
0090.hotwd136	660	06:49	15:17:54.6	+10:30:44	600	89	1.5	#178 Low Mass	4	
0091.COMP	10	07:01	15:17:54.6	+10:30:44	600	89	1.5	0 Calibration	4	
0092.hotwd137	1010	07:02	15:18:07.1	+01:57:26	600	89	1.5	#178 Low Mass	4	
0093.COMP	10	07:19	15:18:07.1	+01:57:26	600	89	1.5	0 Calibration	4	
0094.hotwd138	1150	07:20	15:18:08.6	+01:58:34	600	89	1.5	#178 Low Mass	4	
0095.COMP	10	07:40	15:18:08.6	+01:58:34	600	89	1.5	0 Calibration	4	
0096.hotwd140	1680	08:07	15:39:24.6	-01:39:57	600	89	1.5	#178 Low Mass	4	
0097.COMP	10	08:35	15:39:24.6	-01:39:57	600	88	1.5	0 Calibration	4	
0098.hotwd139	1200	08:37	15:27:21.1	+08:08:53	600	88	1.5	#178 Low Mass	4	
0099.COMP	10	08:57	15:27:21.1	+08:08:53	600	89	1.5	0 Calibration	4	
0100.hotwd147	1310	08:59	16:07:38.2	+17:12:16	600	89	1.5	#178 Low Mass	4	
0101.COMP	10	09:21	16:07:38.2	+17:12:16	600	89	1.5	0 Calibration	4	
0102.hotwd144	1360	09:23	15:58:06.6	+60:19:27	600	89	1.5	#178 Low Mass	4	
0103.COMP	10	09:46	15:58:06.6	+60:19:27	600	89	1.5	0 Calibration	4	
0104.hotwd149	520	09:47	16:42:08.9	+47:46:42	600	89	1.5	#178 Low Mass	4	
0105.COMP	10	09:56	16:42:08.9	+47:46:42	600	89	1.5	0 Calibration	4	
0106.hotwd153	1200	09:58	17:10:03.6	+10:09:46	600	89	1.5	#178 Low Mass	4	
0107.COMP	10	10:19	17:10:03.6	+10:09:46	600	89	1.5	0 Calibration	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0108.hotwd151	710	10:20	17:00:51.0	+10:23:11	600	89	1.5	#178 Low Mass	4	
0109.COMP	10	10:32	17:00:51.0	+10:23:11	600	89	1.5	0 Calibration	4	
0110.hotwd141	1140	10:33	15:39:25.7	+25:00:24	600	89	1.5	#178 Low Mass	4	
0111.COMP	10	10:52	15:39:25.7	+25:00:24	600	89	1.5	0 Calibration	4	
0112.hotwd152	1080	10:53	17:02:10.1	+23:44:11	600	90	1.5	#178 Low Mass	4	
0113.COMP	10	11:12	17:02:10.1	+23:44:11	600	90	1.5	0 Calibration	4	
0114.hotwd150	680	11:13	16:48:58.8	+24:58:02	600	89	1.5	#178 Low Mass	4	
0115.COMP	10	11:24	16:48:58.8	+24:58:02	600	89	1.5	0 Calibration	4	
0116.hotwd154	510	11:25	17:13:17.6	+10:50:14	600	89	1.5	#178 Low Mass	4	
0117.COMP	10	11:34	17:13:17.6	+10:50:14	600	89	1.5	0 Calibration	4	
0118.BDp332642	120	11:35	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0119.COMP	10	11:37	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0120.FLAT	12	11:38	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	x10
0121-0129.FLAT	12	11:42	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0130.BIAS	0	11:42	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	x10
0131-0139.BIAS	0	11:44	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0140-0149.DARK	900	14:23	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0150-0153.DARK	900	15:25	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	2	

UT Date 2013-05-10 Observers WBrownColl. Focus 1330 Grating/Grism 300

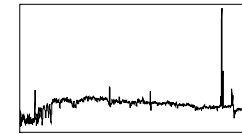
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	21:04	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	300 line
0002.COMP	5	21:15	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0003.BIAS	0	21:47	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	x17
0004-0019.BIAS	0	21:50	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0020.DARK	900	21:54	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	x10
0021-0029.DARK	900	00:12	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0030.FLAT	7	02:15	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	x20
0031-0049.FLAT	7	02:20	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0050.HD84937	30	04:17	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	clouds
0051.COMP	10	04:19	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0052.psn09265	1200	04:22	09:26:56.8	-24:47:00	300	89	3.0	#2 SN Observat	2	
0053.COMP	10	04:42	09:26:56.8	-24:47:00	300	89	3.0	0 Calibration	2	
0054.Pbcg021	1320	04:45	09:17:38.8	+15:23:21	300	88	3.0	#210 Brightest	2	clouds
0055.COMP	10	05:07	09:17:38.8	+15:23:21	300	88	3.0	0 Calibration	2	
0056.Pbcg032	1200	05:21	10:48:42.8	+17:17:32	300	88	3.0	#210 Brightest	2	
0057.COMP	10	05:42	10:48:42.8	+17:17:32	300	88	3.0	0 Calibration	2	
0058.PSNJ13265132	1800	06:44	13:26:51.3	-10:01:32	300	87	3.0	#2 SN Observat	2	clearing
0059.COMP	10	07:14	13:26:51.3	-10:01:32	300	87	3.0	0 Calibration	2	
0060.A00029.2	1200	07:17	13:36:44.0	-03:30:03	300	87	3.0	#216 Local Com	2	
0061.COMP	10	07:37	13:36:44.0	-03:30:03	300	88	3.0	0 Calibration	2	

UT Date 2013-05-10 Observers WBrownColl. Focus 1330 Grating/Grism 300

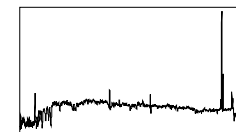
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.A00205.1	480	07:39	13:35:54.1	-01:21:52	300	88	3.0	#216 Local Com	2	
0063.COMP	10	07:47	13:35:54.1	-01:21:52	300	89	3.0	0 Calibration	2	
0064.A01277.1	780	07:49	13:46:59.8	+23:53:49	300	89	3.0	#216 Local Com	2	
0065.COMP	10	08:03	13:46:59.8	+23:53:49	300	89	3.0	0 Calibration	2	
0066.Pbcg095	900	08:04	13:48:21.4	+25:38:59	300	89	3.0	#210 Brightest	2	
0067.COMP	10	08:19	13:48:21.4	+25:38:59	300	89	3.0	0 Calibration	2	
0068.Pbcg094	540	08:20	13:48:17.6	+25:40:16	300	89	3.0	#210 Brightest	2	
0069.COMP	10	08:29	13:48:17.6	+25:40:16	300	89	3.0	0 Calibration	2	
0070.Pbcg093	780	08:30	13:47:53.5	+25:34:01	300	88	3.0	#210 Brightest	2	
0071.COMP	10	08:44	13:47:53.5	+25:34:01	300	88	3.0	0 Calibration	2	
0072.Pbcg096	900	08:46	13:48:25.6	+26:24:36	300	110	3.0	#210 Brightest	2	
0073.COMP	10	09:01	13:48:25.6	+26:24:36	300	109	3.0	0 Calibration	2	
0074.Pbcg099	780	09:03	13:48:44.5	+27:10:45	300	90	3.0	#210 Brightest	2	
0075.COMP	10	09:16	13:48:44.5	+27:10:45	300	90	3.0	0 Calibration	2	
0076.Pbcg137	1080	09:17	14:34:28.0	+26:20:01	300	90	3.0	#210 Brightest	2	center obj (row=89)
0077.COMP	10	09:36	14:34:28.0	+26:20:01	300	90	3.0	0 Calibration	2	
0078.Pbcg138	1200	09:37	14:34:42.5	+26:20:28	300	90	3.0	#210 Brightest	2	lower obj (row=84)
0079.COMP	10	09:57	14:34:42.5	+26:20:28	300	90	3.0	0 Calibration	2	
0080.Pbcg139	1200	09:58	14:35:06.3	+24:42:41	300	90	3.0	#210 Brightest	2	
0081.COMP	10	10:19	14:35:06.3	+24:42:41	300	90	3.0	0 Calibration	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>
0082.Pbcg140	1320	10:20	14:36:54.7	+22:30:30	300	90	3.0	#210 Brightest	2	
0083.COMP	10	10:42	14:36:54.7	+22:30:30	300	90	3.0	0 Calibration	2	
0084.Pbcg189	1200	10:44	15:38:17.3	+16:53:55	300	90	3.0	#210 Brightest	2	
0085.COMP	10	11:04	15:38:17.3	+16:53:55	300	90	3.0	0 Calibration	2	
0086.Hen1674	600	11:08	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	obj at row=78
0087.COMP	10	11:18	18:20:19.1	-26:22:46	300	89	3.0	0 Calibration	2	
0088.Hen1674	120	11:19	18:20:19.1	-26:22:46	300	89	3.0	#12 Symbiotic	2	
0089.AS327	300	11:21	18:53:17.0	-24:22:59	300	89	3.0	#12 Symbiotic	2	
0090.COMP	10	11:27	18:53:17.0	-24:22:59	300	90	3.0	0 Calibration	2	
0091.AS327	30	11:28	18:53:17.0	-24:22:59	300	90	3.0	#12 Symbiotic	2	
0092.BDp332642	120	11:31	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0093.COMP	10	11:33	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0094-0098.DARK	900	13:02	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	

UT Date 2013-05-11 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:16	09:52:29.0	+43:28:00	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	02:21	09:52:29.0	+43:28:00	300	89	3.0	0 Calibration	2	
0026-0029.DARK	900	03:10	09:52:29.0	+43:28:00	300	89	3.0	0 Calibration	2	
0030.DARK	900	03:25	09:52:29.0	+43:28:00	300	89	3.0	0 Calibration	2	clouds
0031.Pbcg007	1200	04:18	09:10:48.2	+16:02:17	300	89	3.0	#210 Brightest	2	
0032.COMP	10	04:39	09:10:48.2	+16:02:17	300	89	3.0	0 Calibration	2	
0033.Pbcg027	1200	04:46	10:04:12.9	+33:27:25	300	90	3.0	#210 Brightest	2	
0034.COMP	10	05:07	10:04:12.9	+33:27:25	300	90	3.0	0 Calibration	2	
0035.Pbcg028	900	05:09	10:09:49.3	+32:13:21	300	90	3.0	#210 Brightest	2	
0036.COMP	10	05:24	10:09:49.3	+32:13:21	300	90	3.0	0 Calibration	2	
0037.Pbcg029	1200	05:26	10:10:31.7	+31:16:51	300	89	3.0	#210 Brightest	2	
0038.COMP	10	05:47	10:10:31.7	+31:16:51	300	89	3.0	0 Calibration	2	
0039.A00309.3	1200	05:48	11:08:25.2	+10:29:06	300	89	3.0	#216 Local Com	2	
0040.COMP	10	06:09	11:08:25.2	+10:29:06	300	89	3.0	0 Calibration	2	
0041.A00309.2	900	06:11	11:08:26.6	+10:28:35	300	89	3.0	#216 Local Com	2	
0042.COMP	10	06:26	11:08:26.6	+10:28:35	300	89	3.0	0 Calibration	2	
0043.A00763.1	930	06:27	11:49:54.2	+08:33:57	300	89	3.0	#216 Local Com	2	
0044.COMP	10	06:43	11:49:54.2	+08:33:57	300	89	3.0	0 Calibration	2	
0045.A00215.1	900	06:44	11:51:58.9	+23:33:48	300	89	3.0	#216 Local Com	2	
0046.COMP	10	06:59	11:51:58.9	+23:33:48	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
0047.A01072.2	180	07:01	11:10:43.6	+55:10:27	300	89	3.0	#216 Local Com	2	star
0048.COMP	10	07:05	11:10:43.6	+55:10:27	300	89	3.0	0 Calibration	2	
0049.A00944.1	900	07:06	13:13:51.0	+44:52:20	300	89	3.0	#216 Local Com	2	
0050.COMP	10	07:21	13:13:51.0	+44:52:20	300	89	3.0	0 Calibration	2	
0051.BDp262606.badADC	90	07:23	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	ADC failure
0052.BDp262606.badADC	90	07:25	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	bad
0053.BDp262606.badADC	90	07:27	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	bad
0054.BDp262606	90	07:32	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	good, ADC is now off
0055.BDp262606	90	07:34	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	good, ADC is now off and will stay off
0056.COMP	10	07:36	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0057.A00845.1	900	07:38	13:21:49.0	+21:45:35	300	89	3.0	#216 Local Com	2	
0058.COMP	10	07:54	13:21:49.0	+21:45:35	300	89	3.0	0 Calibration	2	
0059.BDp332642	120	07:58	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0060.BDp332642	120	08:00	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0061.COMP	10	08:03	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0062.A01616.1	1200	08:29	15:35:33.7	+40:21:36	300	89	3.0	#216 Local Com	2	
0063.COMP	10	08:50	15:35:33.7	+40:21:36	300	88	3.0	0 Calibration	2	
0064.Pbcg164	1200	08:52	14:46:52.7	+22:10:58	300	88	3.0	#210 Brightest	2	
0065.COMP	10	09:12	14:46:52.7	+22:10:58	300	90	3.0	0 Calibration	2	
0066.Pbcg165	1500	09:13	14:47:26.3	+22:49:38	300	90	3.0	#210 Brightest	2	

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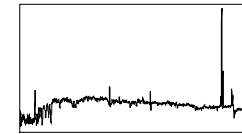
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0067.COMP	10	09:39	14:47:26.3	+22:49:38	300	90	3.0	0 Calibration	2	
0068.Pbcg186	1200	09:41	15:22:32.6	+28:38:10	300	90	3.0	#210 Brightest	2	
0069.COMP	10	10:02	15:22:32.6	+28:38:10	300	90	3.0	0 Calibration	2	
0070.Pbcg187	1200	10:03	15:22:33.1	+27:46:22	300	90	3.0	#210 Brightest	2	
0071.COMP	10	10:24	15:22:33.1	+27:46:22	300	90	3.0	0 Calibration	2	
0072.BIAS	0	10:43	15:40:15.9	+17:52:29	300	89	3.0	0 Calibration	2	clouds
0073-0081.BIAS	0	10:44	15:40:15.9	+17:52:29	300	89	3.0	0 Calibration	2	
0082-0096.FLAT	7	10:50	15:40:15.9	+17:52:29	300	89	3.0	0 Calibration	2	

UT Date 2013-05-12 Observers P BerlindColl. Focus 1350 Grating/Grism 300

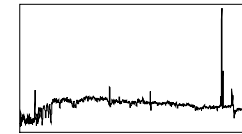
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:20	15:40:15.9	+17:52:29	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	02:25	15:40:15.9	+17:52:29	300	89	3.0	0 Calibration	2	
0026.TXCVn	20	02:48	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0027.TXCVn	30	02:49	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0028.TXCVn	30	02:50	12:44:42.0	+36:45:48	300	89	3.0	#12 Symbiotic	2	
0029.COMP	10	02:51	12:44:42.0	+36:45:48	300	89	3.0	0 Calibration	2	
0030.HD84937	30	02:54	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0031.HD84937	30	02:54	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0032.HD84937	30	02:55	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0033.COMP	10	02:56	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0034.DASCH_J0804+5316	180	02:58	08:04:09.1	+53:16:43	300	105	3.0	#192 DASCH Lon	2	
0035.DASCH_J0804+5316	180	03:02	08:04:09.1	+53:16:43	300	105	3.0	#192 DASCH Lon	2	
0036.COMP	10	03:06	08:04:09.1	+53:16:43	300	105	3.0	0 Calibration	2	
0037.Feige34	180	03:10	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0038.COMP	10	03:14	10:39:36.7	+43:06:09	300	91	3.0	0 Calibration	2	
0039.sn2012ht	1800	03:21	10:53:22.8	+16:46:35	300	29	3.0	#2 SN Observat	2	
0040.COMP	10	03:52	10:53:22.8	+16:46:35	300	25	3.0	0 Calibration	2	
0041.Pbcg018	1500	03:54	09:14:42.8	+15:50:51	300	60	3.0	#210 Brightest	2	
0042.COMP	10	04:19	09:14:42.8	+15:50:51	300	59	3.0	0 Calibration	2	
0043.Pbcg019	1200	04:20	09:14:51.3	+15:44:41	300	60	3.0	#210 Brightest	2	

UT Date 2013-05-12 Observers P BerlindColl. Focus 1350 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	04:41	09:14:51.3	+15:44:41	300	59	3.0	0 Calibration	2	
0045.Pbcg020	900	04:42	09:17:26.6	+16:15:14	300	59	3.0	#210 Brightest	2	very windy
0046.COMP	10	04:58	09:17:26.6	+16:15:14	300	59	3.0	0 Calibration	2	
0047.Pbcg031	1200	05:02	10:48:24.8	+16:19:48	300	59	3.0	#210 Brightest	2	
0048.COMP	10	05:22	10:48:24.8	+16:19:48	300	59	3.0	0 Calibration	2	
0049.Pbcg040	900	05:24	10:51:20.4	+16:49:55	300	59	3.0	#210 Brightest	2	
0050.COMP	10	05:39	10:51:20.4	+16:49:55	300	59	3.0	0 Calibration	2	
0051.RWHya	30	05:45	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0052.RWHya	10	05:46	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0053.RWHya	45	05:46	13:34:18.0	-25:22:51	300	0	3.0	#12 Symbiotic	2	
0054.COMP	10	05:47	13:34:18.0	-25:22:51	300	0	3.0	0 Calibration	2	close due to wind
0055.sn2013aj	1581	07:03	13:54:00.7	-07:55:44	300	0	3.0	#2 SN Observat	2	
0056.COMP	10	07:30	13:54:00.7	-07:55:44	300	0	3.0	0 Calibration	2	
0057.A00132.2	900	08:53	14:36:14.5	-02:00:28	300	45	3.0	#216 Local Com	2	
0058.COMP	10	09:08	14:36:14.5	-02:00:28	300	45	3.0	0 Calibration	2	
0059.A00101.1	900	09:10	14:39:28.8	+13:42:05	300	45	3.0	#216 Local Com	2	
0060.COMP	10	09:26	14:39:28.8	+13:42:05	300	45	3.0	0 Calibration	2	
0061.A00539.2and.1	1200	09:30	14:23:41.5	+18:48:34	300	33	3.0	#216 Local Com	2	target 1 at row 75, 2 at row 101
0062.COMP	10	09:50	14:23:41.5	+18:48:34	300	33	3.0	0 Calibration	2	please extract both targets
0063.A00728.2	900	09:53	14:33:05.9	+22:17:59	300	33	3.0	#216 Local Com	2	

UT Date 2013-05-12 Observers P BerlindColl. Focus 1350 Grating/Grism 300

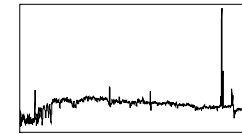
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0064.COMP	10	10:08	14:33:05.9	+22:17:59	300	33	3.0	0 Calibration	2	
0065.A01088.1	1200	10:10	14:33:34.2	+20:50:02	300	33	3.0	#216 Local Com	2	
0066.COMP	10	10:30	14:33:34.2	+20:50:02	300	33	3.0	0 Calibration	2	
0067-0076.BIAS	0	10:51	14:33:34.2	+20:50:02	300	90	3.0	0 Calibration	2	
0077-0091.FLAT	7	10:56	14:33:34.2	+20:50:02	300	90	3.0	0 Calibration	2	

UT Date 2013-05-13 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

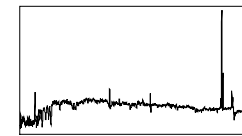
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	02:36	10:34:25.9	+31:34:45	300	90	3.0	0 Calibration	4	
0011-0030.FLAT	7	02:50	10:43:16.7	+31:34:49	300	90	3.0	0 Calibration	2	
0031-0040.BIAS	0	03:04	10:43:16.7	+31:34:49	300	90	3.0	0 Calibration	2	
0041.HD84937	20	03:08	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0042.COMP	10	03:09	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0043.Feige34	120	03:12	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0044.COMP	10	03:15	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	pause for wind
0045.sn2012ht	1800	03:55	10:53:22.8	+16:46:35	300	87	3.0	#2 SN Observat	2	
0046.COMP	10	04:25	10:53:22.8	+16:46:35	300	87	3.0	0 Calibration	2	pause for wind
0047.A00942.1	1200	06:54	13:48:22.4	+06:34:25	300	87	3.0	#216 Local Com	2	
0048.COMP	10	07:15	13:48:22.4	+06:34:25	300	89	3.0	0 Calibration	2	
0049.A02030.1	720	07:17	13:50:56.5	+09:55:21	300	89	3.0	#216 Local Com	2	
0050.COMP	10	07:30	13:50:56.5	+09:55:21	300	89	3.0	0 Calibration	2	
0051.A00587.2	900	07:31	13:53:26.9	+33:13:33	300	89	3.0	#216 Local Com	2	
0052.COMP	10	07:47	13:53:26.9	+33:13:33	300	89	3.0	0 Calibration	2	
0053.A00248.3	900	07:49	13:53:40.0	+28:13:31	300	89	3.0	#216 Local Com	2	
0054.COMP	10	08:04	13:53:40.0	+28:13:31	300	88	3.0	0 Calibration	2	
0055.A00129.1	780	08:06	14:02:48.1	+15:47:44	300	88	3.0	#216 Local Com	2	
0056.COMP	10	08:20	14:02:48.1	+15:47:44	300	88	3.0	0 Calibration	2	
0057-0066.FLAT	10	08:26	14:02:48.1	+15:47:44	300	88	2.0	0 Calibration	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>
0067.4C16.49	1800	08:34	17:34:42.6	+16:00:32	300	88	2.0	#217 Emission	2	
0068.4C16.49	1800	09:04	17:34:42.6	+16:00:32	300	88	2.0	#217 Emission	2	
0069.4C16.49	1800	09:34	17:34:42.6	+16:00:32	300	88	2.0	#217 Emission	2	
0070.COMP	12	10:05	17:34:42.6	+16:00:32	300	90	2.0	0 Calibration	2	
0071.4C16.49	1800	10:09	17:34:42.6	+16:00:32	300	90	5.0	#217 Emission	2	
0072.COMP	6	10:39	17:34:42.6	+16:00:32	300	90	5.0	0 Calibration	2	
0073-0082.FLAT	4	10:47	17:34:42.6	+16:00:32	300	90	5.0	0 Calibration	2	
0083-0092.BIAS	0	11:30	17:34:42.6	+16:00:32	300	90	3.0	0 Calibration	2	
0093-0112.FLAT	7	11:38	17:34:42.6	+16:00:32	300	90	3.0	0 Calibration	2	
0113-0122.DARK	900	14:01	17:34:42.6	+16:00:32	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
0001-0010.DARK	900	01:28	17:34:42.6	+16:00:32	300	90	3.0	0 Calibration	4	
0011-0020.BIAS	0	01:56	17:34:42.6	+16:00:32	300	90	3.0	0 Calibration	4	
0021-0040.FLAT	7	02:22	17:34:42.6	+16:00:32	300	87	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:25	17:34:42.6	+16:00:32	300	87	3.0	0 Calibration	2	
0051.HD84937	20	03:10	09:48:56.1	+13:44:39	300	87	3.0	#56 Spectropho	2	
0052.COMP	10	03:11	09:48:56.1	+13:44:39	300	87	3.0	0 Calibration	2	
0053.Feige34	120	03:13	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0054.COMP	10	03:16	10:39:36.7	+43:06:09	300	86	3.0	0 Calibration	2	
0055.N3377	150	03:20	10:47:42.4	+13:59:08	300	86	3.0	#57 Velocity S	2	
0056.COMP	10	03:23	10:47:42.4	+13:59:08	300	89	3.0	0 Calibration	2	
0057.Pbcg001	1800	03:25	09:07:03.7	+15:44:44	300	89	3.0	#210 Brightest	2	
0058.COMP	10	03:55	09:07:03.7	+15:44:44	300	89	3.0	0 Calibration	2	
0059.Pbcg002	1800	03:57	09:07:21.8	+16:00:41	300	89	3.0	#210 Brightest	2	
0060.COMP	10	04:27	09:07:21.8	+16:00:41	300	89	3.0	0 Calibration	2	clouds coming in from the west
0061.sn2013aj	1800	04:47	13:54:00.7	-07:55:44	300	89	3.0	#2 SN Observat	2	
0062.COMP	10	05:18	13:54:00.7	-07:55:44	300	89	3.0	0 Calibration	2	
0063.Pbcg067	720	05:20	12:14:47.4	+10:55:04	300	89	3.0	#210 Brightest	2	
0064.COMP	10	05:32	12:14:47.4	+10:55:04	300	89	3.0	0 Calibration	2	more clouds....
0065.TCrB	15	05:45	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0066.TCrB	60	05:45	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	05:47	15:59:30.0	+25:55:12	300	89	3.0	0 Calibration	2	
0068.sn2013ck	1800	05:50	15:24:29.1	+48:32:55	300	89	3.0	#2 SN Observat	2	
0069.COMP	10	06:21	15:24:29.1	+48:32:55	300	88	3.0	0 Calibration	2	
0070.AGDra	3	06:29	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0071.AGDra	20	06:29	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0072.AGDra	80	06:29	16:01:41.0	+66:48:10	300	88	3.0	#12 Symbiotic	2	
0073.COMP	10	06:34	16:01:41.0	+66:48:10	300	88	3.0	0 Calibration	2	meh... more clouds
0074.A00183.1	1020	06:45	15:12:18.3	+27:49:35	300	89	3.0	#216 Local Com	2	
0075.COMP	10	07:03	15:12:18.3	+27:49:35	300	89	3.0	0 Calibration	2	
0076.PSNJ12555051	1800	07:06	12:55:50.5	+30:30:42	300	89	3.0	#2 SN Observat	2	
0077.COMP	10	07:36	12:55:50.5	+30:30:42	300	89	3.0	0 Calibration	2	
0078.sn2013c1	1800	07:43	16:19:31.6	+24:47:11	300	89	3.0	#2 SN Observat	2	
0079.COMP	10	08:14	16:19:31.6	+24:47:11	300	89	3.0	0 Calibration	2	
0080.BDp262606	40	08:16	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	
0081.COMP	10	08:18	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0082.BDp332642	120	08:19	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0083.COMP	10	08:22	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0084.hotwd143	1800	08:30	15:46:41.8	+61:58:54	600	89	1.5	#178 Low Mass	4	thru clouds
0085.COMP	10	09:01	15:46:41.8	+61:58:54	600	89	1.5	0 Calibration	4	
0086.BDp332642	240	09:06	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.COMP	10	09:11	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0088-0097.FLAT	12	09:15	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0098.AS210	30	09:55	16:51:20.3	-26:00:33	300	89	3.0	#12 Symbiotic	2	thru cirrus
0099.AS210	540	09:56	16:51:20.3	-26:00:33	300	89	3.0	#12 Symbiotic	2	
0100.COMP	10	10:06	16:51:20.3	-26:00:33	300	89	3.0	0 Calibration	2	
0101.Hen1341	12	10:09	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0102.Hen1341	30	10:10	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0103.Hen1341	60	10:11	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0104.COMP	10	10:13	17:08:36.0	-17:26:30	300	89	3.0	0 Calibration	2	
0105.RSOph	10	10:14	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0106.RSOph	60	10:26	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0107.RSOph	150	10:28	17:50:13.0	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0108.COMP	10	10:31	17:50:13.0	-06:42:30	300	90	3.0	0 Calibration	2	
0109.AS270	60	10:33	18:05:33.7	-20:20:38	300	90	3.0	#12 Symbiotic	2	
0110.AS270	300	10:34	18:05:33.7	-20:20:38	300	90	3.0	#12 Symbiotic	2	
0111.COMP	10	10:40	18:05:33.7	-20:20:38	300	90	3.0	0 Calibration	2	
0112.Hen1591	120	10:42	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0113.Hen1591	300	10:44	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0114.COMP	10	10:50	18:07:32.0	-25:53:43	300	90	3.0	0 Calibration	2	
0115.AS281	60	10:51	18:10:44.0	-27:57:57	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
0116.AS281	360	10:52	18:10:44.0	-27:57:57	300	90	3.0	#12 Symbiotic	2	
0117.COMP	10	10:59	18:10:44.0	-27:57:57	300	90	3.0	0 Calibration	2	
0118.Hen1674	120	11:01	18:20:19.1	-26:22:46	300	89	3.0	#12 Symbiotic	2	
0119.Hen1674	600	11:03	18:20:19.1	-26:22:46	300	89	3.0	#12 Symbiotic	2	
0120.COMP	10	11:14	18:20:19.1	-26:22:46	300	90	3.0	0 Calibration	2	
0121.AS327	30	11:16	18:53:17.0	-24:22:59	300	90	3.0	#12 Symbiotic	2	
0122.AS327	300	11:16	18:53:17.0	-24:22:59	300	90	3.0	#12 Symbiotic	2	
0123.COMP	10	11:22	18:53:17.0	-24:22:59	300	90	3.0	0 Calibration	2	
0124.V443Her	5	11:24	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0125.V443Her	45	11:25	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0126.V443Her	90	11:26	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0127.COMP	10	11:28	18:22:07.0	+23:27:20	300	90	3.0	0 Calibration	2	
0128.YYHer	10	11:29	18:14:34.0	+20:59:19	300	90	3.0	#12 Symbiotic	2	
0129.YYHer	60	11:29	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0130.COMP	10	11:31	18:14:34.0	+20:59:19	300	90	3.0	0 Calibration	2	
0131.AS296	30	11:33	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0132.AS296	120	11:33	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0133.AS296	10	11:36	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0134.COMP	10	11:36	18:15:07.0	-00:18:52	300	90	3.0	0 Calibration	2	
0135-0144.BIAS	0	11:41	18:15:07.0	-00:18:52	300	90	3.0	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>
0145-0164.FLAT	7	11:48	18:15:07.0	-00:18:52	300	90	3.0	0 Calibration	2	
0165-0174.BIAS	0	11:51	18:15:07.0	-00:18:52	300	90	3.0	0 Calibration	2	
0175-0184.DARK	900	14:14	18:15:07.0	-00:18:52	300	90	3.0	0 Calibration	2	