

UT Date 2017-09-14 Observers P BerlindColl. Focus 1300 Grating/Grism 600

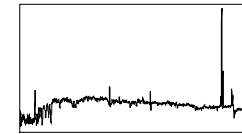
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.BIAS	0	21:30	13:40:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0006-0010.DARK	1200	22:51	13:40:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0011-0020.BIAS	0	00:49	13:40:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0021-0035.FLAT	7	00:55	13:40:00.0	+32:00:00	300	90	3.0	0 Calibration	2	
0036.CHCyg	2	02:16	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0037.CHCyg	4	02:17	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0038.CHCyg	6	02:17	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0039.COMP	10	02:18	19:24:33.0	+50:14:30	300	90	3.0	0 Calibration	2	
0040.BFCyg	10	02:22	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0041.BFCyg	30	02:23	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0042.BFCyg	30	02:24	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0043.COMP	10	02:24	19:23:53.0	+29:40:27	300	90	3.0	0 Calibration	2	
0044.V1016Cyg	10	02:26	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0045.V1016Cyg	5	02:27	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0046.V1016Cyg	60	02:27	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0047.V1016Cyg	360	02:29	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0048.COMP	10	02:35	19:57:05.0	+39:49:37	300	90	3.0	0 Calibration	2	
0049.CICyg	10	02:37	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0050.CICyg	30	02:37	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	
0051.CICyg	360	02:38	19:50:12.0	+35:41:02	300	89	3.0	#12 Symbiotic	2	

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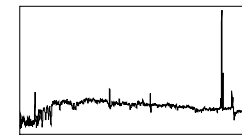
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0052.COMP	10	02:44	19:50:12.0	+35:41:02	300	89	3.0	0 Calibration	2	
0053.AGDra	30	02:47	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0054.AGDra	10	02:48	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0055.AGDra	90	02:48	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0056.COMP	10	02:51	16:01:41.0	+66:48:10	300	89	3.0	0 Calibration	2	
0057.TCrB	30	02:52	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0058.TCrB	60	02:53	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0059.TCrB	15	02:55	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0060.COMP	10	02:56	15:59:30.0	+25:55:12	300	89	3.0	0 Calibration	2	
0061.AS296	30	02:58	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0062.AS296	90	02:59	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0063.AS296	180	03:02	18:15:07.0	-00:18:52	300	89	3.0	#12 Symbiotic	2	
0064.COMP	10	03:05	18:15:07.0	-00:18:52	300	88	3.0	0 Calibration	2	
0065.RSOph	60	03:07	17:50:13.0	-06:42:30	300	88	3.0	#12 Symbiotic	2	
0066.RSOph	20	03:08	17:50:13.0	-06:42:30	300	88	3.0	#12 Symbiotic	2	
0067.RSOph	120	03:09	17:50:13.0	-06:42:30	300	88	3.0	#12 Symbiotic	2	
0068.COMP	10	03:11	17:50:13.0	-06:42:30	300	88	3.0	0 Calibration	2	
0069.AS270	120	03:13	18:05:33.7	-20:20:38	300	88	3.0	#12 Symbiotic	2	
0070.AS270	480	03:15	18:05:33.7	-20:20:38	300	88	3.0	#12 Symbiotic	2	
0071.AS270	45	03:24	18:05:33.7	-20:20:38	300	88	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.COMP	10	03:25	18:05:33.7	-20:20:38	300	85	3.0	0 Calibration	2	
0073.AS327	60	03:32	18:53:17.0	-24:22:59	300	85	3.0	#12 Symbiotic	2	
0074.AS327	120	03:33	18:53:17.0	-24:22:59	300	85	3.0	#12 Symbiotic	2	
0075.AS327	360	03:36	18:53:17.0	-24:22:59	300	85	3.0	#12 Symbiotic	2	
0076.COMP	10	03:42	18:53:17.0	-24:22:59	300	86	3.0	0 Calibration	2	
0077.AS316	60	03:44	18:42:33.0	-21:17:47	300	86	3.0	#12 Symbiotic	2	
0078.AS316	120	03:45	18:42:33.0	-21:17:47	300	86	3.0	#12 Symbiotic	2	
0079.AS316	600	03:48	18:42:33.0	-21:17:47	300	86	3.0	#12 Symbiotic	2	
0080.COMP	10	03:58	18:42:33.0	-21:17:47	300	86	3.0	0 Calibration	2	
0081.sn2017gav	1800	04:07	17:03:21.1	+45:24:49	300	87	3.0	#2 SN Observat	2	
0082.COMP	10	04:37	17:03:21.1	+45:24:49	300	88	3.0	0 Calibration	2	
0083.snJ192441	1800	04:40	19:24:41.0	+62:06:39	300	88	3.0	#2 SN Observat	2	
0084.COMP	10	05:12	19:24:41.0	+62:06:39	300	89	3.0	0 Calibration	2	
0085.sn2017gqr	1800	05:14	19:28:21.6	+56:34:46	300	89	3.0	#2 SN Observat	2	
0086.COMP	10	05:45	19:28:21.6	+56:34:46	300	90	3.0	0 Calibration	2	
0087.sn2017glx	1067	05:48	19:43:40.3	+56:06:36	300	71	3.0	#2 SN Observat	2	
0088.COMP	10	06:06	19:43:40.3	+56:06:36	300	71	3.0	0 Calibration	2	
0091.BDp174708	240	06:14	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0092.COMP	10	06:19	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0093.BDp284211	240	06:38	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0094.COMP	10	06:43	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0095-0097.BIAS	0	06:50	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0098.bb518	60	08:32	00:20:28.4	-03:43:57	600	89	1.5	#178 Low Mass	4	
0099.COMP	10	08:34	00:20:28.4	-03:43:57	600	89	1.5	0 Calibration	4	
0100.bb534	60	08:35	00:44:18.0	-18:56:18	600	89	1.5	#178 Low Mass	4	
0101.COMP	10	08:36	00:44:18.0	-18:56:18	600	89	1.5	0 Calibration	4	
0102.bb506	70	08:37	00:07:27.8	-21:22:28	600	89	1.5	#178 Low Mass	4	
0103.COMP	10	08:39	00:07:27.8	-21:22:28	600	89	1.5	0 Calibration	4	
0104.bb511	60	08:40	00:15:29.4	-21:05:50	600	89	1.5	#178 Low Mass	4	
0105.COMP	10	08:41	00:15:29.4	-21:05:50	600	89	1.5	0 Calibration	4	
0106.bb493	900	08:44	23:48:57.0	-21:23:35	600	89	1.5	#178 Low Mass	4	
0107.COMP	10	08:59	23:48:57.0	-21:23:35	600	89	1.5	0 Calibration	4	
0108.bb514	720	09:01	00:16:41.5	-21:23:21	600	89	1.5	#178 Low Mass	4	
0109.COMP	10	09:14	00:16:41.5	-21:23:21	600	89	1.5	0 Calibration	4	
0110.bb551	60	09:15	00:59:11.6	-18:18:00	600	89	1.5	#178 Low Mass	4	
0111.COMP	10	09:17	00:59:11.6	-18:18:00	600	89	1.5	0 Calibration	4	
0112.bb579	45	09:19	01:46:31.9	-16:22:38	600	89	1.5	#178 Low Mass	4	
0113.COMP	10	09:20	01:46:31.9	-16:22:38	600	89	1.5	0 Calibration	4	
0114.bb582	960	09:22	01:52:15.0	-18:39:36	600	89	1.5	#178 Low Mass	4	
0115.COMP	10	09:38	01:52:15.0	-18:39:36	600	89	1.5	0 Calibration	4	

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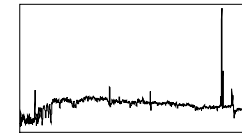
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.bb588	1560	09:40	01:55:53.4	-28:44:02	600	89	1.5	#178 Low Mass	4	
0117.COMP	10	10:06	01:55:53.4	-28:44:02	600	89	1.5	0 Calibration	4	
0118.bb590	390	10:08	01:56:48.1	-04:37:18	600	89	1.5	#178 Low Mass	4	
0119.COMP	10	10:15	01:56:48.1	-04:37:18	600	90	1.5	0 Calibration	4	
0120.gd278	390	10:17	01:30:58.1	+53:21:40	600	90	1.5	#178 Low Mass	4	
0121.COMP	10	10:24	01:30:58.1	+53:21:40	600	88	1.5	0 Calibration	4	
0122.bb649	45	10:26	03:14:21.8	-01:16:51	600	88	1.5	#178 Low Mass	4	
0123.COMP	10	10:27	03:14:21.8	-01:16:51	600	88	1.5	0 Calibration	4	
0124.bb614	1455	10:30	02:27:26.7	-19:34:00	600	88	1.5	#178 Low Mass	4	
0125.COMP	10	10:54	02:27:26.7	-19:34:00	600	89	1.5	0 Calibration	4	
0126.bb622	150	10:56	02:32:47.8	-20:38:43	600	89	1.5	#178 Low Mass	4	
0127.COMP	10	10:59	02:32:47.8	-20:38:43	600	89	1.5	0 Calibration	4	
0128.bb645	420	11:01	03:09:28.6	-01:17:33	600	89	1.5	#178 Low Mass	4	
0129.COMP	10	11:09	03:09:28.6	-01:17:33	600	90	1.5	0 Calibration	4	
0130.G191B2B	300	11:12	05:05:30.6	+52:49:52	600	90	1.5	#56 Spectropho	4	
0131.COMP	10	11:18	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0132.bb651	1500	11:20	03:19:32.7	-16:48:15	600	87	1.5	#178 Low Mass	4	
0133.COMP	10	11:46	03:19:32.7	-16:48:15	600	89	1.5	0 Calibration	4	
0134.bb643	360	11:47	03:06:06.8	-12:09:09	600	89	1.5	#178 Low Mass	4	
0135.COMP	10	11:53	03:06:06.8	-12:09:09	600	89	1.5	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>
0136.bb658	301	11:56	03:33:50.6	-22:45:15	600	89	1.5	#178 Low Mass	4	
0137.COMP	10	12:01	03:33:50.6	-22:45:15	600	89	1.5	0 Calibration	4	
0138.bb657	30	12:03	03:32:35.4	-23:37:44	600	89	1.5	#178 Low Mass	4	
0139.COMP	10	12:03	03:32:35.4	-23:37:44	600	89	1.5	0 Calibration	4	
0140.bb663	120	12:04	03:38:57.2	-24:46:42	600	89	1.5	#178 Low Mass	4	
0141.COMP	10	12:07	03:38:57.2	-24:46:42	600	89	1.5	0 Calibration	4	
0142-0151.BIAS	0	12:13	04:42:08.7	-10:36:50	600	88	1.5	0 Calibration	4	
0152-0166.FLAT	12	12:18	04:42:08.7	-10:36:50	600	88	1.5	0 Calibration	4	
0167-0173.DARK	1200	14:20	04:42:08.7	-10:36:50	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
0001-0005.DARK	1200	23:02	04:42:08.7	-10:36:50	600	88	1.5	0 Calibration	2	
0006-0015.BIAS	0	01:21	17:30:00.0	+32:00:00	300	88	3.0	0 Calibration	2	
0016-0030.FLAT	7	01:28	17:30:00.0	+32:00:00	300	88	3.0	0 Calibration	2	
0031-0035.DARK	1200	02:58	17:30:00.0	+32:00:00	300	88	3.0	0 Calibration	4	
0036.BDp284211	180	05:30	21:51:11.0	+28:51:50	300	88	3.0	#56 Spectropho	2	
0037.COMP	10	05:34	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0038.BDp174708	90	05:42	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0039.COMP	10	05:45	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0040.PUVu1	25	05:51	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0041.PUVu1	90	05:52	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0042.PUVu1	420	05:54	20:21:13.0	+21:34:21	300	89	3.0	#12 Symbiotic	2	
0043.COMP	10	06:02	20:21:13.0	+21:34:21	300	89	3.0	0 Calibration	2	
0044.HMSge	30	06:04	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0045.HMSge	10	06:04	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0046.HMSge	360	06:05	19:41:57.0	+16:44:41	300	89	3.0	#12 Symbiotic	2	
0047.COMP	10	06:11	19:41:57.0	+16:44:41	300	89	3.0	0 Calibration	2	
0048.AS360	70	06:14	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0049.AS360	600	06:16	19:45:49.0	+18:36:49	300	89	3.0	#12 Symbiotic	2	
0050.COMP	10	06:26	19:45:49.0	+18:36:49	300	89	3.0	0 Calibration	2	
0051.V1329Cyg	90	06:29	20:51:01.0	+35:34:55	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
0052.V1329Cyg	90	06:31	20:51:01.0	+35:34:55	300	89	3.0	#12 Symbiotic	2	
0053.V1329Cyg	420	06:33	20:51:01.0	+35:34:55	300	89	3.0	#12 Symbiotic	2	
0054.COMP	10	06:40	20:51:01.0	+35:34:55	300	89	3.0	0 Calibration	2	
0055.V1515Cyg	480	06:44	20:23:48.0	+42:12:24	300	89	3.0	#12 Symbiotic	2	
0056.COMP	10	06:53	20:23:48.0	+42:12:24	300	89	3.0	0 Calibration	2	
0057.20231647+2013013	360	06:58	20:23:16.5	+20:13:01	300	88	3.0	#141 2MASS Red	2	
0058.COMP	10	07:05	20:23:16.5	+20:13:01	300	89	3.0	0 Calibration	2	
0059.V1057Cyg	30	07:07	20:58:54.0	+44:15:30	300	89	3.0	#12 Symbiotic	2	
0060.V1057Cyg	360	07:08	20:58:54.0	+44:15:30	300	89	3.0	#12 Symbiotic	2	
0061.COMP	10	07:15	20:58:54.0	+44:15:30	300	89	3.0	0 Calibration	2	
0062.ZAnd	8	07:17	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0063.ZAnd	15	07:18	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0064.ZAnd	60	07:19	23:33:40.0	+48:49:06	300	89	3.0	#12 Symbiotic	2	
0065.COMP	10	07:20	23:33:40.0	+48:49:06	300	89	3.0	0 Calibration	2	
0066.AGPeg	1	07:22	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0067.AGPeg	3	07:22	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0068.AGPeg	15	07:22	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0069.AGPeg	30	07:23	21:51:02.0	+12:37:33	300	89	3.0	#12 Symbiotic	2	
0070.COMP	10	07:24	21:51:02.0	+12:37:33	300	89	3.0	0 Calibration	2	
0071.RAqr	1	07:26	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	



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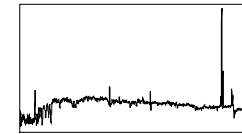
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.RAqr	3	07:26	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0073.RAqr	15	07:26	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0074.RAqr	45	07:27	23:43:49.0	-15:17:05	300	89	3.0	#12 Symbiotic	2	
0075.COMP	10	07:28	23:43:49.0	-15:17:05	300	89	3.0	0 Calibration	2	
0076.PS17emo	1800	07:30	01:01:18.7	-00:51:05	300	89	3.0	#225	2	
0077.COMP	10	08:01	01:01:18.7	-00:51:05	300	89	3.0	0 Calibration	2	
0078.EGAnd	1	08:10	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0079.EGAnd	10	08:10	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0080.EGAnd	10	08:11	00:44:37.0	+40:40:47	300	89	3.0	#12 Symbiotic	2	
0081.COMP	10	08:11	00:44:37.0	+40:40:47	300	89	3.0	0 Calibration	2	
0082.AXPer	5	08:13	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0083.AXPer	10	08:13	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0084.AXPer	30	08:13	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0085.AXPer	180	08:14	01:36:23.0	+54:15:03	300	89	3.0	#12 Symbiotic	2	
0086.COMP	10	08:18	01:36:23.0	+54:15:03	300	89	3.0	0 Calibration	2	
0087.BIAS	0	08:21	00:55:00.0	+32:00:00	600	89	1.5	0 Calibration	4	
0088.bb489	30	08:23	23:42:52.0	-04:48:00	600	89	1.5	#178 Low Mass	4	
0089.COMP	10	08:23	23:42:52.0	-04:48:00	600	89	1.5	0 Calibration	4	
0090.bb536	1260	08:26	00:44:44.1	-20:28:00	600	89	1.5	#178 Low Mass	4	
0091.COMP	10	08:48	00:44:44.1	-20:28:00	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
0092.bb537	1600	08:49	00:45:27.8	-20:26:56	600	89	1.5	#178 Low Mass	4	
0093.COMP	10	09:17	00:45:27.8	-20:26:56	600	89	1.5	0 Calibration	4	
0094.bb592	1600	09:19	02:00:00.8	-22:28:01	600	89	1.5	#178 Low Mass	4	
0095.COMP	10	09:47	02:00:00.8	-22:28:01	600	90	1.5	0 Calibration	4	
0096.bb608	360	09:48	02:21:39.2	-26:30:50	600	90	1.5	#178 Low Mass	4	
0097.COMP	10	09:54	02:21:39.2	-26:30:50	600	90	1.5	0 Calibration	4	
0098.bb628	200	09:56	02:46:29.1	-14:05:35	600	90	1.5	#178 Low Mass	4	
0099.COMP	10	10:00	02:46:29.1	-14:05:35	600	90	1.5	0 Calibration	4	
0100.bb630	30	10:01	02:48:48.1	-15:00:52	600	90	1.5	#178 Low Mass	4	
0101.COMP	10	10:02	02:48:48.1	-15:00:52	600	90	1.5	0 Calibration	4	
0102.bb632	45	10:03	02:51:37.2	-15:17:09	600	90	1.5	#178 Low Mass	4	
0103.COMP	10	10:04	02:51:37.2	-15:17:09	600	90	1.5	0 Calibration	4	
0104.bb637	60	10:05	02:57:52.9	-19:01:27	600	90	1.5	#178 Low Mass	4	
0105.COMP	10	10:07	02:57:52.9	-19:01:27	600	90	1.5	0 Calibration	4	
0106.bb631	760	10:08	02:50:52.6	-23:37:10	600	90	1.5	#178 Low Mass	4	
0107.COMP	10	10:21	02:50:52.6	-23:37:10	600	89	1.5	0 Calibration	4	
0108.bb640	60	10:23	03:00:34.3	-11:26:10	600	89	1.5	#178 Low Mass	4	
0109.COMP	10	10:24	03:00:34.3	-11:26:10	600	89	1.5	0 Calibration	4	
0110.gd278	450	10:36	01:30:58.1	+53:21:40	600	88	1.5	#178 Low Mass	4	
0111.COMP	10	10:44	01:30:58.1	+53:21:40	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
0112.bb683	1600	10:47	04:04:17.7	-13:06:31	600	89	1.5	#178 Low Mass	4	
0113.COMP	10	11:14	04:04:17.7	-13:06:31	600	89	1.5	0 Calibration	4	
0114.bb668	1517	11:16	03:47:11.2	-22:16:57	600	89	1.5	#178 Low Mass	4	
0115.COMP	10	11:41	03:47:11.2	-22:16:57	600	89	1.5	0 Calibration	4	
0116.bb685	240	11:43	04:08:24.8	-20:27:03	600	89	1.5	#178 Low Mass	4	
0117.COMP	10	11:48	04:08:24.8	-20:27:03	600	89	1.5	0 Calibration	4	
0118.bb686	60	11:49	04:08:46.5	-29:49:11	600	89	1.5	#178 Low Mass	4	
0119.COMP	10	11:50	04:08:46.5	-29:49:11	600	89	1.5	0 Calibration	4	
0120.bb689	45	11:52	04:12:52.9	-13:20:15	600	89	1.5	#178 Low Mass	4	
0121.COMP	10	11:53	04:12:52.9	-13:20:15	600	89	1.5	0 Calibration	4	
0122.bb688	180	11:54	04:11:46.6	-10:44:18	600	89	1.5	#178 Low Mass	4	
0123.COMP	10	11:57	04:11:46.6	-10:44:18	600	89	1.5	0 Calibration	4	
0124.bb699	240	11:59	04:23:19.8	-03:34:35	600	89	1.5	#178 Low Mass	4	
0125.COMP	10	12:03	04:23:19.8	-03:34:35	600	89	1.5	0 Calibration	4	
0126.G191B2B	300	12:06	05:05:30.6	+52:49:52	600	89	1.5	#56 Spectropho	4	
0127.COMP	10	12:11	05:05:30.6	+52:49:52	600	88	1.5	0 Calibration	4	
0128-0137.BIAS	0	12:14	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0138-0152.FLAT	12	12:18	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0153-0157.FLAT	20	12:21	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0158.test	10	12:24	05:05:30.6	+52:49:52	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>
0159.test	10	12:25	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0160.test	10	12:26	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0161.test	10	12:28	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	
0162.test	10	12:29	05:05:30.6	+52:49:52	300	90	3.0	#56 Spectropho	2	

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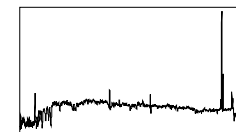
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	01:54	16:20:35.0	+24:07:27	300	99	3.0	0 Calibration	4	
0008-0017.BIAS	0	02:11	16:20:35.0	+24:07:27	300	99	3.0	0 Calibration	4	
0018-0037.FLAT	7	02:17	16:20:35.0	+24:07:27	300	99	3.0	0 Calibration	2	
0038-0050.BIAS	0	02:18	16:20:35.0	+24:07:27	300	99	3.0	0 Calibration	2	
0051.BDp262606	90	02:34	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	02:36	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0053.BDp332642	150	02:39	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	02:42	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0055.PS17els	1800	02:44	16:20:35.0	+24:07:27	300	100	3.0	#225	2	
0056.COMP	10	03:15	16:20:35.0	+24:07:27	300	100	3.0	0 Calibration	2	
0057.sn2017gav	1800	03:46	17:03:21.1	+45:24:49	300	95	3.0	#2 SN Observat	2	
0058.COMP	10	04:16	17:03:21.1	+45:24:49	300	95	3.0	0 Calibration	2	
0059.sn2017glx	900	04:21	19:43:40.3	+56:06:36	300	70	3.0	#2 SN Observat	2	
0060.COMP	10	04:36	19:43:40.3	+56:06:36	300	70	3.0	0 Calibration	2	
0061.PS17emq	2400	04:42	21:24:33.3	-11:53:01	300	90	3.0	#225	2	
0062.PS17emq	2400	05:23	21:24:33.3	-11:53:01	300	90	3.0	#225	2	
0063.COMP	5	06:04	21:24:33.3	-11:53:01	300	90	3.0	0 Calibration	2	
0064.sn2017gfl	2400	06:08	21:55:18.5	-26:18:47	300	90	3.0	#2 SN Observat	2	
0065.COMP	10	06:48	21:55:18.5	-26:18:47	300	90	3.0	0 Calibration	2	
0066.snAT2017gtd	1800	06:56	02:22:40.2	+28:15:25	300	49	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.snAT2017gtd	1800	07:27	02:22:40.2	+28:15:25	300	49	3.0	#2 SN Observat	2	
0068.COMP	10	07:58	02:22:40.2	+28:15:25	300	50	3.0	0 Calibration	2	
0069-0078.FLAT	12	08:58	02:22:40.2	+28:15:25	600	89	1.5	0 Calibration	4	
0079.bb693	580	11:09	04:18:05.2	-10:46:40	600	89	1.5	#178 Low Mass	4	
0080.COMP	10	11:19	04:18:05.2	-10:46:40	600	90	1.5	0 Calibration	4	
0081.bb696	900	11:37	04:21:14.5	-11:04:09	600	90	1.5	#178 Low Mass	4	
0082.COMP	10	11:53	04:21:14.5	-11:04:09	600	90	1.5	0 Calibration	4	
0083.G191B2B	360	11:56	05:05:30.6	+52:49:52	600	90	1.5	#56 Spectropho	4	
0084.COMP	10	12:02	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	4	
0085.bb701	90	12:05	04:25:20.4	-27:36:26	600	90	1.5	#178 Low Mass	4	
0086.COMP	10	12:07	04:25:20.4	-27:36:26	600	90	1.5	0 Calibration	4	
0087.bb708	100	12:09	04:28:33.0	-15:09:19	600	90	1.5	#178 Low Mass	4	
0088.COMP	10	12:11	04:28:33.0	-15:09:19	600	90	1.5	0 Calibration	4	
0089.bb717	40	12:13	04:34:19.2	-07:57:46	600	90	1.5	#178 Low Mass	4	
0090.COMP	10	12:14	04:34:19.2	-07:57:46	600	90	1.5	0 Calibration	4	
0091-0100.BIAS	0	12:20	04:34:19.2	-07:57:46	600	90	1.5	0 Calibration	4	
0101-0110.FLAT	12	12:25	04:34:19.2	-07:57:46	600	90	1.5	0 Calibration	4	
0111-0120.DARK	900	14:42	04:34:19.2	-07:57:46	600	90	1.5	0 Calibration	2	

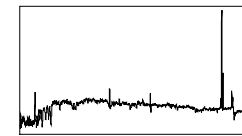
UT Date 2017-09-18 Observers M CalkinsColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:36	04:34:19.2	-07:57:46	600	90	1.5	0 Calibration	4	
0011-0020.BIAS	0	01:52	04:34:19.2	-07:57:46	600	90	1.5	0 Calibration	4	
0021-0040.FLAT	7	02:05	04:34:19.2	-07:57:46	300	90	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:07	04:34:19.2	-07:57:46	300	90	3.0	0 Calibration	2	
0051.BDp332642	150	02:26	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0052.COMP	10	02:29	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0053.BDp262606	90	02:30	14:49:02.4	+25:42:09	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	02:32	14:49:02.4	+25:42:09	300	90	3.0	0 Calibration	2	
0055.BRUTUS8014_8	1800	02:38	16:48:20.2	+62:58:41	300	100	3.0	#220 ASASSN Tr	2	
0056.COMP	10	03:09	16:48:20.2	+62:58:41	300	100	3.0	0 Calibration	2	
0057.BRUTUS8014_2	720	03:14	17:08:44.9	+42:16:56	300	90	3.0	#220 ASASSN Tr	2	
0058.COMP	10	03:26	17:08:44.9	+42:16:56	300	90	3.0	0 Calibration	2	
0059.AS210	10	03:32	16:51:20.3	-26:00:33	300	90	3.0	#12 Symbiotic	2	
0060.AS210	300	03:32	16:51:20.3	-26:00:33	300	90	3.0	#12 Symbiotic	2	
0061.COMP	10	03:38	16:51:20.3	-26:00:33	300	90	3.0	0 Calibration	2	
0062.Hen1341	12	03:41	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0063.Hen1341	30	03:41	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0064.Hen1341	60	03:42	17:08:36.0	-17:26:30	300	90	3.0	#12 Symbiotic	2	
0065.COMP	10	03:43	17:08:36.0	-17:26:30	300	90	3.0	0 Calibration	2	
0066.DracoC1	1200	03:47	17:19:58.0	+57:50:06	300	90	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0067.COMP	10	04:08	17:19:58.0	+57:50:06	300	90	3.0	0 Calibration	2	
0068.Hen1591	120	04:11	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0069.Hen1591	300	04:13	18:07:32.0	-25:53:43	300	90	3.0	#12 Symbiotic	2	
0070.COMP	10	04:19	18:07:32.0	-25:53:43	300	90	3.0	0 Calibration	2	
0071.AS281	60	04:22	18:10:44.0	-27:57:51	300	90	3.0	#12 Symbiotic	2	
0072.AS281	360	04:23	18:10:44.0	-27:57:51	300	90	3.0	#12 Symbiotic	2	
0073.COMP	10	04:29	18:10:44.0	-27:57:51	300	90	3.0	0 Calibration	2	
0074.AS289	15	04:31	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0075.AS289	420	04:32	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0076.COMP	10	04:39	18:12:22.0	-11:40:08	300	89	3.0	0 Calibration	2	
0077.YYHer	10	04:41	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0078.YYHer	60	04:42	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0079.COMP	10	04:43	18:14:34.0	+20:59:19	300	90	3.0	0 Calibration	2	
0080.Hen1674	120	04:48	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	
0081.Hen1674	600	04:50	18:20:19.1	-26:22:46	300	90	3.0	#12 Symbiotic	2	
0082.COMP	10	05:01	18:20:19.1	-26:22:46	300	90	3.0	0 Calibration	2	
0083.V443Her	5	05:03	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0084.V443Her	45	05:03	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0085.V443Her	90	05:05	18:22:07.0	+23:27:20	300	90	3.0	#12 Symbiotic	2	
0086.COMP	10	05:06	18:22:07.0	+23:27:20	300	90	3.0	0 Calibration	2	



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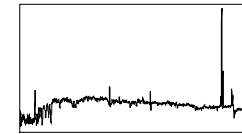
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0087.AS338	90	05:08	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0088.AS338	600	05:10	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0089.COMP	10	05:20	19:03:47.0	+16:26:17	300	90	3.0	0 Calibration	2	
0090.V919Sgr	15	05:22	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0091.V919Sgr	30	05:23	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0092.COMP	10	05:24	19:03:45.0	-16:59:56	300	90	3.0	0 Calibration	2	
0093.sn2017glx	1200	05:29	19:43:40.3	+56:06:36	300	61	3.0	#2 SN Observat	2	
0094.COMP	10	05:49	19:43:40.3	+56:06:36	300	60	3.0	0 Calibration	2	
0095.BDp284211	150	05:51	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0096.COMP	10	05:55	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0097.BDp174708	90	05:57	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0098.COMP	10	05:59	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0099.19051339+2205512	2400	06:03	19:05:13.4	+22:05:51	300	90	3.0	#141 2MASS Red	2	
0100.COMP	10	06:45	19:05:13.4	+22:05:51	300	89	3.0	0 Calibration	2	
0101.snAT2017gtd	2400	07:02	02:22:40.2	+28:15:25	300	0	3.0	#2 SN Observat	2	
0102.COMP	10	07:42	02:22:40.2	+28:15:25	300	0	3.0	0 Calibration	2	
0103.snAT2017gtd	2400	07:47	02:22:40.2	+28:15:25	300	35	3.0	#2 SN Observat	2	
0104.COMP	10	08:27	02:22:40.2	+28:15:25	300	35	3.0	0 Calibration	2	
0105.PS16dtm	1800	08:32	01:58:04.7	-00:52:22	300	89	3.0	#225	2	
0106.PS16dtm	1800	09:02	01:58:04.7	-00:52:22	300	89	3.0	#225	2	

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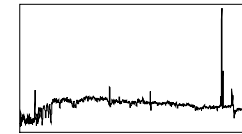
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0107.PS16dtm	1800	09:32	01:58:04.7	-00:52:22	300	89	3.0	#225	2	
0108.COMP	10	10:03	01:58:04.7	-00:52:22	300	89	3.0	0 Calibration	2	
0109.bb475	600	10:11	23:22:41.5	-02:35:13	600	89	1.5	#178 Low Mass	4	
0110.COMP	10	10:22	23:22:41.5	-02:35:13	600	90	1.5	0 Calibration	4	
0111.bb484	660	10:24	23:35:00.4	-03:14:49	600	90	1.5	#178 Low Mass	4	
0112.COMP	10	10:35	23:35:00.4	-03:14:49	600	90	1.5	0 Calibration	4	
0113.bb704	1423	10:38	04:27:00.1	-02:53:02	600	90	1.5	#178 Low Mass	4	
0114.COMP	10	11:02	04:27:00.1	-02:53:02	600	89	1.5	0 Calibration	4	
0115.bb705	94	11:03	04:27:00.6	-02:03:37	600	89	1.5	#178 Low Mass	4	
0116.COMP	10	11:05	04:27:00.6	-02:03:37	600	89	1.5	0 Calibration	4	
0117.bb711	172	11:07	04:29:45.3	-05:29:23	600	89	1.5	#178 Low Mass	4	
0118.COMP	10	11:10	04:29:45.3	-05:29:23	600	89	1.5	0 Calibration	4	
0119.bb720	184	11:13	04:39:07.8	-02:47:05	600	89	1.5	#178 Low Mass	4	
0120.COMP	10	11:16	04:39:07.8	-02:47:05	600	89	1.5	0 Calibration	4	
0121.bb728	100	11:18	04:42:08.7	-10:36:50	600	89	1.5	#178 Low Mass	4	
0122.COMP	10	11:20	04:42:08.7	-10:36:50	600	89	1.5	0 Calibration	4	
0123.G191B2B	300	11:24	05:05:30.6	+52:49:52	600	89	1.5	#56 Spectropho	4	
0124.COMP	10	11:29	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0125-0134.FLAT	12	11:34	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0135-0144.BIAS	0	11:59	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	

UT Date 2017-09-18 Observers M CalkinsColl. Focus 1300 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0145.COMP	5	12:04	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	
0146.COMP	5	12:06	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	
0147-0156.FLAT	7	12:10	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0157-0166.BIAS	0	12:16	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	
0167-0176.DARK	900	14:50	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	2	

UT Date 2017-09-19 Observers P BerlindColl. Focus 1300 Grating/Grism 300

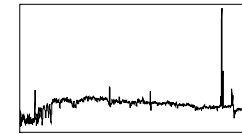
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:47	18:15:00.0	+32:00:00	300	89	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:53	18:15:00.0	+32:00:00	300	89	3.0	0 Calibration	2	
0026.BDp332642	120	02:19	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0027.COMP	10	02:21	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0028.18332462+0850303	479	02:25	18:33:24.6	+08:50:30	300	89	3.0	#141 2MASS Red	2	
0029.COMP	10	02:34	18:33:24.6	+08:50:30	300	89	3.0	0 Calibration	2	
0030.17131800-2336430	420	02:42	17:13:18.0	-23:36:43	300	90	3.0	#141 2MASS Red	2	
0031.COMP	10	02:50	17:13:18.0	-23:36:43	300	90	3.0	0 Calibration	2	
0032.17130678-2255350	720	02:52	17:13:06.8	-22:55:35	300	90	3.0	#141 2MASS Red	2	
0033.COMP	10	03:04	17:13:06.8	-22:55:35	300	90	3.0	0 Calibration	2	
0034.17150845-2354140	900	03:06	17:15:08.5	-23:54:14	300	90	3.0	#141 2MASS Red	2	
0035.COMP	10	03:22	17:15:08.5	-23:54:14	300	90	3.0	0 Calibration	2	
0036.17431264-1421391	900	03:24	17:43:12.6	-14:21:39	300	90	3.0	#141 2MASS Red	2	
0037.COMP	10	03:39	17:43:12.6	-14:21:39	300	90	3.0	0 Calibration	2	
0038.17415027-1111248	1200	03:41	17:41:50.3	-11:11:25	300	90	3.0	#141 2MASS Red	2	
0039.COMP	10	04:02	17:41:50.3	-11:11:25	300	90	3.0	0 Calibration	2	
0040.18430724-2158506	960	04:03	18:43:07.2	-21:58:51	300	90	3.0	#141 2MASS Red	2	
0041.COMP	10	04:20	18:43:07.2	-21:58:51	300	90	3.0	0 Calibration	2	
0042.19155381-0616506	660	04:24	19:15:53.8	-06:16:51	300	90	3.0	#141 2MASS Red	2	
0043.COMP	10	04:35	19:15:53.8	-06:16:51	300	90	3.0	0 Calibration	2	

UT Date 2017-09-19 Observers P BerlindColl. Focus 1300 Grating/Grism 300

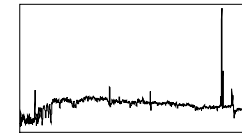
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.19221808-0530338	1500	04:38	19:22:18.1	-05:30:34	300	90	3.0	#141 2MASS Red	2	
0045.COMP	10	05:03	19:22:18.1	-05:30:34	300	90	3.0	0 Calibration	2	
0046.19222436-0153128	1800	05:05	19:22:24.4	-01:53:13	300	90	3.0	#141 2MASS Red	2	
0047.COMP	10	05:35	19:22:24.4	-01:53:13	300	90	3.0	0 Calibration	2	
0048.19184295+0145276	720	05:37	19:18:43.0	+01:45:28	300	90	3.0	#141 2MASS Red	2	
0049.COMP	10	05:49	19:18:43.0	+01:45:28	300	90	3.0	0 Calibration	2	
0050.19390542+0917593	960	05:54	19:39:05.4	+09:17:59	300	90	3.0	#141 2MASS Red	2	
0051.COMP	10	06:10	19:39:05.4	+09:17:59	300	90	3.0	0 Calibration	2	
0052.19404953+0809539	760	06:13	19:40:49.5	+08:09:54	300	90	3.0	#141 2MASS Red	2	
0053.COMP	10	06:26	19:40:49.5	+08:09:54	300	90	3.0	0 Calibration	2	
0054.19450317+0427368	760	06:27	19:45:03.2	+04:27:37	300	90	3.0	#141 2MASS Red	2	
0055.COMP	10	06:41	19:45:03.2	+04:27:37	300	90	3.0	0 Calibration	2	
0056.19444668+0604082	660	06:43	19:44:46.7	+06:04:08	300	90	3.0	#141 2MASS Red	2	
0057.COMP	10	06:54	19:44:46.7	+06:04:08	300	89	3.0	0 Calibration	2	
0058.BDp284211	150	06:56	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0059.COMP	10	06:59	21:51:11.0	+28:51:50	300	90	3.0	0 Calibration	2	
0060.BDp174708	90	07:00	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0061.BDp174708	90	07:03	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0062.COMP	10	07:05	22:11:31.4	+18:05:34	300	90	3.0	0 Calibration	2	
0063.N7331	180	07:10	22:37:04.1	+34:24:56	300	90	3.0	#57 Velocity S	2	

UT Date 2017-09-19 Observers P BerlindColl. Focus 1300 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0064.COMP	10	07:14	22:37:04.1	+34:24:56	300	90	3.0	0 Calibration	2	
0065.sn2017fnzhost	1445	07:18	22:29:42.9	+11:48:17	300	90	3.0	#2 SN Observat	2	ha em stopped by fog
0066.COMP	10	07:43	22:29:42.9	+11:48:17	300	90	3.0	0 Calibration	2	
0067-0076.BIAS	0	11:32	22:29:42.9	+11:48:17	300	90	3.0	0 Calibration	2	
0077-0091.FLAT	7	11:38	22:29:42.9	+11:48:17	300	90	3.0	0 Calibration	2	
0092-0096.DARK	1200	13:03	22:29:42.9	+11:48:17	300	90	3.0	0 Calibration	2	

UT Date 2017-09-20 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	1200	00:31	22:29:42.9	+11:48:17	300	90	3.0	0 Calibration	2	
0006-0015.BIAS	0	01:19	22:29:42.9	+11:48:17	300	90	3.0	0 Calibration	2	
0016-0030.FLAT	7	01:25	22:29:42.9	+11:48:17	300	90	3.0	0 Calibration	2	
0034.BDp332642	120	02:26	15:51:59.9	+32:56:54	300	90	3.0	#56 Spectropho	2	
0035.COMP	10	02:28	15:51:59.9	+32:56:54	300	90	3.0	0 Calibration	2	
0036.17061473-2606112	719	02:34	17:06:14.7	-26:06:11	300	0	3.0	#141 2MASS Red	2	
0037.COMP	10	02:46	17:06:14.7	-26:06:11	300	0	3.0	0 Calibration	2	
0038.17083134-2523541	720	02:48	17:08:31.3	-25:23:54	300	0	3.0	#141 2MASS Red	2	
0039.COMP	10	03:00	17:08:31.3	-25:23:54	300	0	3.0	0 Calibration	2	
0040.17155885-2342043	900	03:03	17:15:58.9	-23:42:04	300	-1	3.0	#141 2MASS Red	2	
0041.COMP	10	03:18	17:15:58.9	-23:42:04	300	-1	3.0	0 Calibration	2	
0042.18273360+0252390	1500	03:22	18:27:33.6	+02:52:39	300	20	3.0	#141 2MASS Red	2	
0043.COMP	10	03:48	18:27:33.6	+02:52:39	300	20	3.0	0 Calibration	2	
0044.18302138+0629255	1200	03:53	18:30:21.4	+06:29:25	300	32	3.0	#141 2MASS Red	2	
0045.COMP	10	04:13	18:30:21.4	+06:29:25	300	33	3.0	0 Calibration	2	
0046.18311446+0655038	1200	04:16	18:31:14.5	+06:55:04	300	10	3.0	#141 2MASS Red	2	
0047.COMP	10	04:37	18:31:14.5	+06:55:04	300	10	3.0	0 Calibration	2	
0048.18322780+0727585	900	04:39	18:32:27.8	+07:27:59	300	0	3.0	#141 2MASS Red	2	
0049.COMP	10	04:55	18:32:27.8	+07:27:59	300	0	3.0	0 Calibration	2	
0050.18335542+0457349	1800	04:57	18:33:55.4	+04:57:35	300	0	3.0	#141 2MASS Red	2	very red gal

UT Date 2017-09-20 Observers P BerlindColl. Focus 1300 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0051.COMP	10	05:28	18:33:55.4	+04:57:35	300	1	3.0	0 Calibration	2	
0052.18372276+0900137	720	05:30	18:37:22.8	+09:00:14	300	-4	3.0	#141 2MASS Red	2	
0053.COMP	10	05:43	18:37:22.8	+09:00:14	300	-5	3.0	0 Calibration	2	
0054.19190375-0250124	900	05:46	19:19:03.7	-02:50:12	300	-5	3.0	#141 2MASS Red	2	
0055.COMP	10	06:01	19:19:03.7	-02:50:12	300	-4	3.0	0 Calibration	2	
0056.18502237+1041355	1200	06:03	18:50:22.4	+10:41:35	300	-4	3.0	#141 2MASS Red	2	
0057.COMP	10	06:24	18:50:22.4	+10:41:35	300	-5	3.0	0 Calibration	2	
0058.18540053+1247545	1500	06:26	18:54:00.5	+12:47:54	300	-5	3.0	#141 2MASS Red	2	
0059.COMP	10	06:51	18:54:00.5	+12:47:54	300	-5	3.0	0 Calibration	2	
0060.19393983+0543353	1500	06:54	19:39:39.8	+05:43:35	300	-5	3.0	#141 2MASS Red	2	
0061.COMP	10	07:19	19:39:39.8	+05:43:35	300	-5	3.0	0 Calibration	2	
0062.BDp174708	90	07:23	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0063.COMP	10	07:24	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0064.BDp284211	150	07:26	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0065.COMP	10	07:29	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0066.BIAS	0	07:33	01:00:00.0	+32:00:00	600	89	1.5	0 Calibration	4	
0067.BDp284211	120	07:35	21:51:11.0	+28:51:50	600	89	1.5	#56 Spectropho	4	
0069.BIAS	0	07:42	21:56:11.5	+28:55:38	600	89	1.5	0 Calibration	4	
0070.COMP	10	07:43	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0071.bb453	200	07:45	23:02:54.4	-01:27:22	600	89	1.5	#178 Low Mass	4	



UT Date 2017-09-20 Observers P BerlindColl. Focus 1300 Grating/Grism 300

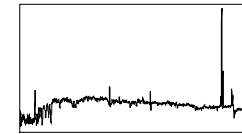
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0072.COMP	10	07:48	23:02:54.4	-01:27:22	600	89	1.5	0 Calibration	4	
0073.bb455	75	07:49	23:03:54.7	-05:13:47	600	89	1.5	#178 Low Mass	4	
0074.COMP	10	07:51	23:03:54.7	-05:13:47	600	89	1.5	0 Calibration	4	
0075.bb485	30	07:52	23:36:18.3	-10:00:05	600	89	1.5	#178 Low Mass	4	
0076.COMP	10	07:53	23:36:18.3	-10:00:05	600	89	1.5	0 Calibration	4	
0077.gd278	390	07:55	01:30:58.1	+53:21:40	600	89	1.5	#178 Low Mass	4	
0078.COMP	10	08:02	01:30:58.1	+53:21:40	600	89	1.5	0 Calibration	4	
0079.j0151p57	1260	08:04	01:51:01.7	+57:22:54	600	88	1.5	#178 Low Mass	4	
0080.COMP	10	08:25	01:51:01.7	+57:22:54	600	89	1.5	0 Calibration	4	
0081.j0137p55	1660	08:27	01:37:40.7	+55:06:00	600	89	1.5	#178 Low Mass	4	
0082.COMP	10	08:56	01:37:40.7	+55:06:00	600	89	1.5	0 Calibration	4	
0083.j0137p50	1260	08:57	01:37:54.0	+50:42:32	600	89	1.5	#178 Low Mass	4	
0084.COMP	10	09:25	01:37:54.0	+50:42:32	600	88	1.5	0 Calibration	4	
0085.j0140p26	1400	09:27	01:40:25.5	+26:57:33	600	88	1.5	#178 Low Mass	4	fog
0086.COMP	10	09:51	01:40:25.5	+26:57:33	600	87	1.5	0 Calibration	4	
0087-0096.BIAS	0	11:19	01:40:25.5	+26:57:33	600	87	1.5	0 Calibration	4	
0097-0111.FLAT	12	11:25	01:40:25.5	+26:57:33	600	87	1.5	0 Calibration	4	
0112-0116.FLAT	20	11:27	01:40:25.5	+26:57:33	600	87	1.5	0 Calibration	4	
0118.test	10	11:37	03:13:37.0	+15:06:24	300	87	3.0	#56 Spectropho	2	
0119-0123.DARK	1200	12:59	03:13:37.0	+15:06:24	300	87	3.0	0 Calibration	4	

UT Date 2017-09-21 Observers M CalkinsColl. Focus 1300 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	01:47	18:23:14.0	+31:30:12	300	87	3.0	0 Calibration	4	
0011-0030.FLAT	7	01:55	18:23:14.0	+31:30:12	300	87	3.0	0 Calibration	2	
0031-0040.BIAS	0	01:56	18:23:14.0	+31:30:12	300	87	3.0	0 Calibration	2	
0041.BDp262606	90	02:21	14:49:02.4	+25:42:09	300	87	3.0	#56 Spectropho	2	
0042.COMP	10	02:24	14:49:02.4	+25:42:09	300	87	3.0	0 Calibration	2	
0043.BDp332642	150	02:25	15:51:59.9	+32:56:54	300	87	3.0	#56 Spectropho	2	
0044.COMP	10	02:28	15:51:59.9	+32:56:54	300	87	3.0	0 Calibration	2	
0045.sn2017dezhost	1200	02:32	16:27:31.0	+49:41:41	300	88	3.0	#2 SN Observat	2	
0046.sn2017dezhost	1200	02:53	16:27:31.0	+49:41:41	300	88	3.0	#2 SN Observat	2	
0047.sn2017dezhost	1200	03:13	16:27:31.0	+49:41:41	300	88	3.0	#2 SN Observat	2	
0048.COMP	10	03:33	16:27:31.0	+49:41:41	300	88	3.0	0 Calibration	2	
0049.snASASSN17mm	2400	03:37	17:56:57.1	+07:26:09	300	88	3.0	#220 ASASSN Tr	2	
0050.COMP	10	04:17	17:56:57.1	+07:26:09	300	86	3.0	0 Calibration	2	
0051.sn2017gavhost	2400	04:22	17:03:21.3	+45:24:47	300	71	3.0	#2 SN Observat	2	
0052.COMP	10	05:03	17:03:21.3	+45:24:47	300	71	3.0	0 Calibration	2	
0053.sn2017gflhost	2400	05:27	21:55:18.5	-26:18:47	300	90	3.0	#2 SN Observat	2	
0054.COMP	10	06:08	21:55:18.5	-26:18:47	300	90	3.0	0 Calibration	2	
0055.smATLAS17jxdhost	2400	06:13	01:11:46.8	+07:21:46	300	90	3.0	#2 SN Observat	2	
0056.COMP	10	06:53	01:11:46.8	+07:21:46	300	89	3.0	0 Calibration	2	
0057.M31	60	06:55	00:42:44.3	+41:16:09	300	89	3.0	#57 Velocity S	2	

UT Date 2017-09-21 Observers M CalkinsColl. Focus 1300 Grating/Grism 600

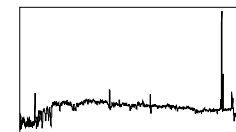
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0058.COMP	10	06:56	00:42:44.3	+41:16:09	300	89	3.0	0 Calibration	2	
0059.bb263	1500	07:03	20:47:42.9	-10:00:26	600	89	1.5	#178 Low Mass	4	
0060.COMP	10	07:28	20:47:42.9	-10:00:26	600	90	1.5	0 Calibration	4	
0061.bb385	960	08:54	21:56:52.6	-13:36:32	600	89	1.5	#178 Low Mass	4	
0062.COMP	10	09:11	21:56:52.6	-13:36:32	600	88	1.5	0 Calibration	4	
0063.gd278	390	09:13	01:30:58.1	+53:21:40	600	88	1.5	#178 Low Mass	4	
0064.COMP	10	09:20	01:30:58.1	+53:21:40	600	87	1.5	0 Calibration	4	
0065.j0116p10	1200	09:23	01:16:33.5	+10:12:57	600	97	1.5	#178 Low Mass	4	
0066.COMP	10	09:43	01:16:33.5	+10:12:57	600	97	1.5	0 Calibration	4	
0067.j0118m01	1269	09:46	01:18:10.3	-01:56:12	600	91	1.5	#178 Low Mass	4	
0068.COMP	10	10:08	01:18:10.3	-01:56:12	600	91	1.5	0 Calibration	4	
0069.j0119p36	1365	10:11	01:19:26.3	+36:04:03	600	90	1.5	#178 Low Mass	4	
0070.COMP	10	10:34	01:19:26.3	+36:04:03	600	90	1.5	0 Calibration	4	
0071.j0124m05	1555	10:37	01:24:27.9	-05:29:32	600	90	1.5	#178 Low Mass	4	
0072.COMP	10	11:03	01:24:27.9	-05:29:32	600	91	1.5	0 Calibration	4	
0073.j0200m09	1507	11:06	02:00:52.2	-09:24:32	600	71	1.5	#178 Low Mass	4	Interesting emission!
0074.COMP	10	11:31	02:00:52.2	-09:24:32	600	70	1.5	0 Calibration	4	
0075.j0203p03	1085	11:50	02:03:14.0	+03:04:35	600	95	1.5	#178 Low Mass	4	
0076.COMP	10	12:09	02:03:14.0	+03:04:35	600	95	1.5	0 Calibration	4	
0077.G191B2B	360	12:11	05:05:30.6	+52:49:52	600	90	1.5	#56 Spectropho	4	

UT Date 2017-09-21 Observers M CalkinsColl. Focus 1300 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0078.COMP	10	12:18	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0079-0098.FLAT	12	12:27	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0099-0108.BIAS	0	12:28	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0109-0113.DARK	900	13:32	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0114-0117.DARK	900	14:33	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	2	

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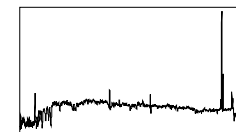
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	01:45	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0006-0015.BIAS	0	02:01	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0016-0035.FLAT	12	02:07	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0036.BDp332642	180	02:17	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0037.COMP	10	02:20	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0038.bb265	120	02:24	20:49:21.3	-10:45:36	600	89	1.5	#178 Low Mass	4	
0039.COMP	10	02:26	20:49:21.3	-10:45:36	600	89	1.5	0 Calibration	4	
0040.bb267	180	02:27	20:50:37.0	-12:13:09	600	89	1.5	#178 Low Mass	4	
0041.COMP	10	02:31	20:50:37.0	-12:13:09	600	90	1.5	0 Calibration	4	
0042.bb270	900	02:33	20:53:56.5	-11:20:00	600	90	1.5	#178 Low Mass	4	
0043.COMP	10	02:49	20:53:56.5	-11:20:00	600	90	1.5	0 Calibration	4	
0044.bb271	300	02:50	20:54:06.3	-10:42:23	600	90	1.5	#178 Low Mass	4	
0045.COMP	10	02:55	20:54:06.3	-10:42:23	600	90	1.5	0 Calibration	4	
0046.bb272	660	02:57	20:55:44.4	-16:25:54	600	90	1.5	#178 Low Mass	4	
0047.COMP	10	03:08	20:55:44.4	-16:25:54	600	90	1.5	0 Calibration	4	
0048.bb274	720	03:10	20:58:57.5	-08:43:38	600	90	1.5	#178 Low Mass	4	
0049.COMP	10	03:22	20:58:57.5	-08:43:38	600	89	1.5	0 Calibration	4	
0050.bb277	45	03:24	21:03:59.6	-05:18:38	600	89	1.5	#178 Low Mass	4	
0051.COMP	10	03:25	21:03:59.6	-05:18:38	600	89	1.5	0 Calibration	4	
0052.bb278	378	03:27	21:04:30.6	-04:38:32	600	89	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0053.COMP	10	03:33	21:04:30.6	-04:38:32	600	89	1.5	0 Calibration	4	
0054.bb280	373	03:35	21:04:50.1	-13:30:12	600	89	1.5	#178 Low Mass	4	
0055.COMP	10	03:41	21:04:50.1	-13:30:12	600	90	1.5	0 Calibration	4	
0056.bb282	536	03:43	21:07:29.0	-14:53:27	600	90	1.5	#178 Low Mass	4	
0057.COMP	10	03:53	21:07:29.0	-14:53:27	600	90	1.5	0 Calibration	4	
0058.bb283	342	03:54	21:08:10.1	-17:19:57	600	90	1.5	#178 Low Mass	4	
0059.COMP	10	04:01	21:08:10.1	-17:19:57	600	90	1.5	0 Calibration	4	
0060.bb285	300	04:02	21:08:47.8	-15:23:26	600	90	1.5	#178 Low Mass	4	
0061.COMP	10	04:07	21:08:47.8	-15:23:26	600	90	1.5	0 Calibration	4	
0062.bb286	429	04:09	21:09:02.5	-01:43:40	600	90	1.5	#178 Low Mass	4	
0063.COMP	10	04:17	21:09:02.5	-01:43:40	600	90	1.5	0 Calibration	4	
0064.bb287	443	04:19	21:09:30.1	-24:44:42	600	81	1.5	#178 Low Mass	4	
0065.COMP	10	04:27	21:09:30.1	-24:44:42	600	80	1.5	0 Calibration	4	
0066.bb290	1700	04:28	21:10:31.3	-12:23:30	600	90	1.5	#178 Low Mass	4	
0067.COMP	10	04:57	21:10:31.3	-12:23:30	600	90	1.5	0 Calibration	4	
0068.bb293	34	04:58	21:12:06.1	-02:13:11	600	90	1.5	#178 Low Mass	4	
0069.COMP	10	04:59	21:12:06.1	-02:13:11	600	90	1.5	0 Calibration	4	
0070.BDp284211	180	05:01	21:51:11.0	+28:51:50	600	90	1.5	#56 Spectropho	4	
0071.COMP	10	05:05	21:51:11.0	+28:51:50	600	89	1.5	0 Calibration	4	
0072.bb294	1308	05:08	21:12:11.8	-22:18:16	600	89	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0073.COMP	10	05:30	21:12:11.8	-22:18:16	600	89	1.5	0 Calibration	4	
0074.bb295	1000	05:32	21:12:28.3	-14:10:47	600	89	1.5	#178 Low Mass	4	
0075.COMP	10	05:49	21:12:28.3	-14:10:47	600	90	1.5	0 Calibration	4	
0076.bb296	540	05:50	21:12:33.0	-16:05:45	600	90	1.5	#178 Low Mass	4	
0077.COMP	10	06:00	21:12:33.0	-16:05:45	600	89	1.5	0 Calibration	4	
0078.bb297	376	06:01	21:13:18.9	-19:01:46	600	89	1.5	#178 Low Mass	4	
0079.COMP	10	06:08	21:13:18.9	-19:01:46	600	89	1.5	0 Calibration	4	
0080.bb298	300	06:10	21:13:44.5	-26:03:41	600	89	1.5	#178 Low Mass	4	
0081.COMP	10	06:15	21:13:44.5	-26:03:41	600	90	1.5	0 Calibration	4	
0082.bb300	300	06:17	21:14:30.7	-01:07:17	600	90	1.5	#178 Low Mass	4	
0083.COMP	10	06:22	21:14:30.7	-01:07:17	600	90	1.5	0 Calibration	4	
0084.bb301	42	06:24	21:15:29.7	-22:43:41	600	90	1.5	#178 Low Mass	4	
0085.COMP	10	06:25	21:15:29.7	-22:43:41	600	90	1.5	0 Calibration	4	
0086.bb303	434	06:26	21:15:46.3	-14:48:46	600	90	1.5	#178 Low Mass	4	
0087.COMP	10	06:34	21:15:46.3	-14:48:46	600	90	1.5	0 Calibration	4	
0088.bb305	624	06:36	21:16:48.1	-18:51:19	600	90	1.5	#178 Low Mass	4	
0089.COMP	10	06:47	21:16:48.1	-18:51:19	600	90	1.5	0 Calibration	4	
0090.j2130m05	1514	06:54	21:30:54.0	-05:05:32	600	90	1.5	#178 Low Mass	4	
0091.COMP	10	07:20	21:30:54.0	-05:05:32	600	90	1.5	0 Calibration	4	fast hung after comp
0092.j2131p09	500	07:26	21:31:05.2	+09:07:53	600	89	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.COMP	10	07:35	21:31:05.2	+09:07:53	600	90	1.5	0 Calibration	4	fast hung after comp
0094.COMP	10	07:40	00:20:11.0	+31:30:34	600	89	1.5	0 Calibration	4	test comp
0095.j2131p06	1500	07:43	21:31:58.1	+06:57:44	600	89	1.5	#178 Low Mass	4	
0096.COMP	10	08:09	21:31:58.1	+06:57:44	600	90	1.5	0 Calibration	4	
0097.j2132p28	994	08:10	21:32:15.2	+28:20:41	600	90	1.5	#178 Low Mass	4	
0098.COMP	10	08:27	21:32:15.2	+28:20:41	600	90	1.5	0 Calibration	4	
0099.j2133m04	1217	08:30	21:33:00.8	-04:41:58	600	90	1.5	#178 Low Mass	4	
0100.COMP	10	08:51	21:33:00.8	-04:41:58	600	89	1.5	0 Calibration	4	
0101.j2308p02	1500	08:54	23:08:55.5	+02:54:26	600	89	1.5	#178 Low Mass	4	
0102.COMP	10	09:19	23:08:55.5	+02:54:26	600	90	1.5	0 Calibration	4	
0103.j2342p24	1528	09:22	23:42:30.2	+24:54:08	600	90	1.5	#178 Low Mass	4	
0104.COMP	10	09:48	23:42:30.2	+24:54:08	600	89	1.5	0 Calibration	4	
0105.j2342p27	1312	09:49	23:42:59.5	+27:58:12	600	89	1.5	#178 Low Mass	4	
0106.COMP	10	10:11	23:42:59.5	+27:58:12	600	89	1.5	0 Calibration	4	
0107.j2343p10	1616	10:12	23:43:56.1	+10:59:21	600	89	1.5	#178 Low Mass	4	
0108.COMP	10	10:40	23:43:56.1	+10:59:21	600	89	1.5	0 Calibration	4	
0109.j0138m19	676	10:42	01:38:32.1	-19:54:45	600	89	1.5	#178 Low Mass	4	
0110.COMP	10	10:53	01:38:32.1	-19:54:45	600	89	1.5	0 Calibration	4	
0111.j0147m16	1500	10:55	01:47:04.0	-16:45:05	600	89	1.5	#178 Low Mass	4	
0112.COMP	10	11:21	01:47:04.0	-16:45:05	600	89	1.5	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>
0113.j0150p02	1122	11:22	01:50:55.1	+02:52:40	600	89	1.5	#178 Low Mass	4	
0114.COMP	10	11:41	01:50:55.1	+02:52:40	600	89	1.5	0 Calibration	4	
0115.j0256m15	1576	11:43	02:56:27.7	-15:15:33	600	89	1.5	#178 Low Mass	4	clouds?
0116.COMP	10	12:09	02:56:27.7	-15:15:33	600	89	1.5	0 Calibration	4	
0117-0136.FLAT	12	12:21	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0137-0146.BIAS	0	12:23	05:05:30.6	+52:49:52	600	89	1.5	0 Calibration	4	
0147.COMP	5	12:40	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	
0148.COMP	5	12:42	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	
0149-0158.DARK	900	14:59	05:05:30.6	+52:49:52	300	89	3.0	0 Calibration	4	