

UT Date 2016-12-02 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:29	20:00:05.7	+30:57:32	600	90	2.0	0 Calibration	2	
0011-0025.FLAT	12	00:37	20:00:05.7	+30:57:32	600	90	2.0	0 Calibration	2	
0026.BDp174708	90	01:14	22:11:31.4	+18:05:34	600	90	2.0	#228 M Dwarfs	2	
0027.BDp174708	90	01:16	22:11:31.4	+18:05:34	600	90	2.0	#228 M Dwarfs	2	
0028.BDp174708	90	01:18	22:11:31.4	+18:05:34	600	90	2.0	#228 M Dwarfs	2	
0029.BDp174708	90	01:21	22:11:31.4	+18:05:34	600	90	2.0	#228 M Dwarfs	2	
0030.COMP	10	01:23	22:11:31.4	+18:05:34	600	90	2.0	0 Calibration	2	
0031.20035892-0807472	600	01:27	20:03:58.9	-08:07:47	600	90	2.0	#228 M Dwarfs	2	
0032.COMP	10	01:38	20:03:58.9	-08:07:47	600	90	2.0	0 Calibration	2	
0033.VB10.19165762+0509021	1624	01:41	19:16:57.6	+05:09:02	600	90	2.0	#228 M Dwarfs	2	
0034.COMP	10	02:09	19:16:57.6	+05:09:02	600	90	2.0	0 Calibration	2	
0035.21552420-0238247	1500	02:12	21:55:24.2	-02:38:25	600	90	2.0	#228 M Dwarfs	2	
0036.COMP	10	02:37	21:55:24.2	-02:38:25	600	90	2.0	0 Calibration	2	
0037.21375317-0337514	766	02:38	21:37:53.2	-03:37:52	600	90	2.0	#228 M Dwarfs	2	
0038.COMP	10	02:51	21:37:53.2	-03:37:52	600	90	2.0	0 Calibration	2	
0039.07352405-2424091	1200	10:35	07:35:24.0	-24:24:09	600	90	2.0	#228 M Dwarfs	2	
0040.COMP	10	10:55	07:35:24.0	-24:24:09	600	91	2.0	0 Calibration	2	
0041.07280751-2348154	1200	10:56	07:28:07.5	-23:48:15	600	91	2.0	#228 M Dwarfs	2	
0042.COMP	10	11:17	07:28:07.5	-23:48:15	600	90	2.0	0 Calibration	2	
0043.09175941-1823272	1800	11:19	09:17:59.4	-18:23:28	600	90	2.0	#228 M Dwarfs	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	11:49	09:17:59.4	-18:23:28	600	90	2.0	0 Calibration	2	
0045.09342791-2643267	600	11:50	09:34:27.9	-26:43:27	600	90	2.0	#228 M Dwarfs	2	
0046.COMP	10	12:01	09:34:27.9	-26:43:27	600	90	2.0	0 Calibration	2	
0047.10501052-0639131	720	12:03	10:50:10.5	-06:39:13	600	90	2.0	#228 M Dwarfs	2	
0048.COMP	10	12:16	10:50:10.5	-06:39:13	600	90	2.0	0 Calibration	2	
0049.HD84937	30	12:17	09:48:56.1	+13:44:39	600	90	2.0	#228 M Dwarfs	2	
0050.COMP	10	12:18	09:48:56.1	+13:44:39	600	90	2.0	0 Calibration	2	
0051.test	10	12:22	10:15:00.0	+32:00:00	300	90	3.0	#228 M Dwarfs	2	
0052.test	10	12:23	10:15:00.0	+32:00:00	300	90	3.0	#228 M Dwarfs	2	
0053.HD84937	30	12:25	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0054.COMP	10	12:26	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0055.snASASSN-16ns	1500	12:29	10:04:18.6	+43:25:29	300	90	3.0	#220 ASASSN Tr	2	
0056.COMP	10	12:55	10:04:18.6	+43:25:29	300	90	3.0	0 Calibration	2	
0057.Feige34	180	12:56	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0058.COMP	10	13:00	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0059-0068.BIAS	0	13:02	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0069-0083.FLAT	7	13:09	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0084-0088.DARK	1200	14:31	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	

UT Date 2016-12-04 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

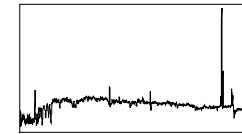
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	00:31	00:08:32.1	+31:24:47	300	90	3.0	0 Calibration	4	
0008-0017.BIAS	0	00:47	00:08:32.1	+31:24:47	300	90	3.0	0 Calibration	4	
0018-0037.FLAT	7	00:55	00:08:32.1	+31:24:47	300	90	3.0	0 Calibration	2	
0038-0047.BIAS	0	00:57	00:08:32.1	+31:24:47	300	90	3.0	0 Calibration	2	
0048.BDp284211	120	01:30	21:51:11.1	+28:51:53	300	90	3.0	#21 Spectropho	2	
0049.COMP	10	01:32	21:51:11.1	+28:51:53	300	90	3.0	0 Calibration	2	
0050.BDp174708	45	01:35	22:11:31.5	+18:05:34	300	90	3.0	#21 Spectropho	2	
0051.COMP	10	01:36	22:11:31.5	+18:05:34	300	90	3.0	0 Calibration	2	
0052.snPS16fbb	1800	01:58	00:07:03.2	-20:41:49	300	90	3.0	#2 SN Observat	2	
0053.COMP	10	02:29	00:07:03.2	-20:41:49	300	89	3.0	0 Calibration	2	
0054.snAT2016igr	1200	02:32	01:03:26.7	-04:52:39	300	89	3.0	#2 SN Observat	2	
0055.COMP	10	02:52	01:03:26.7	-04:52:39	300	89	3.0	0 Calibration	2	
0056.snAT2016ipd	1800	02:58	01:53:34.4	+31:17:44	300	89	3.0	#220 ASASSN Tr	2	
0057.COMP	10	03:29	01:53:34.4	+31:17:44	300	90	3.0	0 Calibration	2	
0058.snAT2016htn	1800	03:32	02:11:29.1	-16:30:37	300	90	3.0	#2 SN Observat	2	missed it....
0059.COMP	10	04:02	02:11:29.1	-16:30:37	300	90	3.0	0 Calibration	2	
0060.AWI0005w52	30	04:21	00:03:08.3	+72:44:52	300	90	3.0	#219 WISE Debr	2	ID?
0061.COMP	10	04:22	00:03:08.3	+72:44:52	300	90	3.0	0 Calibration	2	
0062.snAT2016htm	1800	04:33	02:32:02.6	-26:39:57	300	59	3.0	#2 SN Observat	2	
0063.COMP	10	05:03	02:32:02.6	-26:39:57	300	60	3.0	0 Calibration	2	

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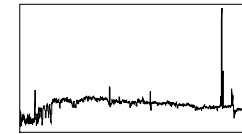
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.snAT2016htm	1800	05:08	02:32:02.6	-26:39:57	300	60	3.0	#2 SN Observat	2	
0065.COMP	10	05:39	02:32:02.6	-26:39:57	300	59	3.0	0 Calibration	2	
0066.j0110m03	1800	05:54	01:10:36.7	-03:53:16	600	91	1.5	#178 Low Mass	4	
0067.COMP	10	06:25	01:10:36.7	-03:53:16	600	90	1.5	0 Calibration	4	
0068.j0115p12	1800	06:27	01:15:18.8	+12:44:13	600	90	1.5	#178 Low Mass	4	
0069.COMP	10	06:58	01:15:18.8	+12:44:13	600	90	1.5	0 Calibration	4	
0070.j0225p03	1600	07:03	02:25:17.1	+03:12:18	600	95	1.5	#178 Low Mass	4	
0071.COMP	10	07:31	02:25:17.1	+03:12:18	600	95	1.5	0 Calibration	4	
0072.j0226p20	1600	07:39	02:26:31.3	+20:31:06	600	90	1.5	#178 Low Mass	4	
0073.COMP	10	08:06	02:26:31.3	+20:31:06	600	90	1.5	0 Calibration	4	
0074.j0233m07	360	08:08	02:33:49.2	-07:15:35	600	90	1.5	#178 Low Mass	4	
0075.COMP	10	08:15	02:33:49.2	-07:15:35	600	90	1.5	0 Calibration	4	
0076.BIAS	0	08:20	05:48:41.9	+31:30:29	600	90	1.5	0 Calibration	4	
0077.j0234p29	1500	08:23	02:34:09.1	+29:05:21	600	90	1.5	#178 Low Mass	4	
0078.COMP	10	08:49	02:34:09.1	+29:05:21	600	90	1.5	0 Calibration	4	
0079.j0234m04	1200	08:52	02:34:15.5	-04:06:09	600	90	1.5	#178 Low Mass	4	
0080.COMP	10	09:13	02:34:15.5	-04:06:09	600	90	1.5	0 Calibration	4	
0081.j0342p16	1500	09:16	03:42:40.8	+16:34:02	600	90	1.5	#178 Low Mass	4	
0082.COMP	10	09:41	03:42:40.8	+16:34:02	600	90	1.5	0 Calibration	4	
0083.j0344p15n	1376	09:44	03:44:10.9	+15:10:22	600	90	1.5	#178 Low Mass	4	

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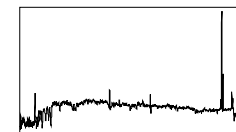
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0084.COMP	10	10:07	03:44:10.9	+15:10:22	600	90	1.5	0 Calibration	4	
0085.j0512m00	1600	10:28	05:12:12.4	-00:11:49	600	90	1.5	#178 Low Mass	4	
0086.COMP	10	10:55	05:12:12.4	-00:11:49	600	90	1.5	0 Calibration	4	
0087.Feige34	180	10:58	10:39:36.7	+43:06:09	600	90	1.5	#56 Spectropho	4	
0088.COMP	10	11:02	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0089-0098.FLAT	12	11:06	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0099.snATLAS16dtf	1500	11:32	06:44:02.2	+12:23:48	300	88	3.0	#2 SN Observat	2	
0100.COMP	10	11:57	06:44:02.2	+12:23:48	300	87	3.0	0 Calibration	2	
0101.snASASSN-16no	1800	12:00	08:07:27.4	+25:07:45	300	87	3.0	#220 ASASSN Tr	2	
0102.COMP	10	12:31	08:07:27.4	+25:07:45	300	90	3.0	0 Calibration	2	
0103.snASASSN-16ns	1800	12:33	10:04:18.6	+43:25:29	300	90	3.0	#220 ASASSN Tr	2	
0104.COMP	10	13:04	10:04:18.6	+43:25:29	300	90	3.0	0 Calibration	2	
0105.Feige34	120	13:05	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0106.COMP	10	13:08	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0107.HD84937	30	13:12	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0108.COMP	10	13:13	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0109.N3377	180	13:15	10:47:42.4	+13:59:08	300	89	3.0	#57 Velocity S	2	
0110.COMP	10	13:19	10:47:42.4	+13:59:08	300	89	3.0	0 Calibration	2	
0111-0120.BIAS	0	13:22	10:47:42.4	+13:59:08	300	89	3.0	0 Calibration	2	
0121-0140.FLAT	7	13:28	10:47:42.4	+13:59:08	300	89	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>
0141-0150.BIAS	0	13:30	10:47:42.4	+13:59:08	300	89	3.0	0 Calibration	4	
0151-0160.DARK	900	15:48	10:47:42.4	+13:59:08	300	89	3.0	0 Calibration	2	

UT Date 2016-12-05 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	01:04	10:47:42.4	+13:59:08	300	89	3.0	0 Calibration	4	
0006-0015.BIAS	0	01:20	10:47:42.4	+13:59:08	300	89	3.0	0 Calibration	4	
0016-0035.FLAT	7	01:26	10:47:42.4	+13:59:08	300	89	3.0	0 Calibration	2	
0036-0045.BIAS	0	01:28	10:47:42.4	+13:59:08	300	89	3.0	0 Calibration	2	
0046.BDp284211	120	01:31	21:51:11.0	+28:51:50	300	89	3.0	#56 Spectropho	2	
0047.COMP	10	01:33	21:51:11.0	+28:51:50	300	89	3.0	0 Calibration	2	
0048.BDp174708	30	01:35	22:11:31.4	+18:05:34	300	89	3.0	#56 Spectropho	2	
0049.COMP	10	01:36	22:11:31.4	+18:05:34	300	89	3.0	0 Calibration	2	
0050.N7331	180	01:38	22:37:04.1	+34:24:56	300	89	3.0	#57 Velocity S	2	
0051.COMP	10	01:41	22:37:04.1	+34:24:56	300	90	3.0	0 Calibration	2	
0052.saASASSN-16fp	1800	01:45	21:59:04.1	+18:11:10	300	89	3.0	#220 ASASSN Tr	2	
0053.saASASSN-16fp	1800	02:15	21:59:04.1	+18:11:10	300	89	3.0	#220 ASASSN Tr	2	
0054.saASASSN-16fp	1800	02:45	21:59:04.1	+18:11:10	300	89	3.0	#220 ASASSN Tr	2	
0055.COMP	10	03:16	21:59:04.1	+18:11:10	300	89	3.0	0 Calibration	2	
0056.snPS16fbb	1800	03:25	00:07:03.2	-20:41:49	300	89	3.0	#2 SN Observat	2	
0057.COMP	10	03:55	00:07:03.2	-20:41:49	300	90	3.0	0 Calibration	2	
0058.snAT2016igr	1200	03:58	01:03:26.7	-04:52:39	300	90	3.0	#2 SN Observat	2	
0059.COMP	10	04:18	01:03:26.7	-04:52:39	300	89	3.0	0 Calibration	2	
0060.snAT2016htn	1800	04:56	02:11:29.1	-16:30:37	300	94	3.0	#2 SN Observat	2	row = 87 seeing much improved
0061.COMP	10	05:27	02:11:29.1	-16:30:37	300	95	3.0	0 Calibration	2	

UT Date 2016-12-05 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.snAT2016ipd	1500	05:31	01:53:34.4	+31:17:44	300	95	3.0	#220 ASASSN Tr	2	
0063.COMP	10	05:56	01:53:34.4	+31:17:44	300	95	3.0	0 Calibration	2	
0064.snAT2016htm	1800	06:00	02:32:02.6	-26:39:57	300	46	3.0	#2 SN Observat	2	
0065.snAT2016htm	1800	06:30	02:32:02.6	-26:39:57	300	46	3.0	#2 SN Observat	2	
0066.COMP	10	07:01	02:32:02.6	-26:39:57	300	46	3.0	0 Calibration	2	
0067.snASASSN-16nv	1800	07:04	05:48:27.0	-23:19:25	300	94	3.0	#220 ASASSN Tr	2	
0068.COMP	10	07:35	05:48:27.0	-23:19:25	300	95	3.0	0 Calibration	2	
0069.snATLAS16dtf	1200	07:39	06:44:02.2	+12:23:48	300	95	3.0	#2 SN Observat	2	
0070.COMP	10	07:59	06:44:02.2	+12:23:48	300	95	3.0	0 Calibration	2	
0071-0080.FLAT	12	08:15	06:13:11.5	-24:16:19	600	91	1.5	0 Calibration	4	
0081.j0148p02	1700	08:19	01:48:57.2	+02:32:25	600	91	1.5	#178 Low Mass	4	
0082.COMP	10	08:48	01:48:57.2	+02:32:25	600	89	1.5	0 Calibration	4	
0083.j0524p18	1500	08:50	05:24:47.2	+18:10:27	600	89	1.5	#178 Low Mass	4	
0084.COMP	10	09:15	05:24:47.2	+18:10:27	600	90	1.5	0 Calibration	4	
0085.j0525p18	1300	09:16	05:24:52.3	+18:32:33	600	90	1.5	#178 Low Mass	4	
0086.COMP	10	09:39	05:24:52.3	+18:32:33	600	90	1.5	0 Calibration	4	
0087.j0525m06	972	09:40	05:25:19.3	-06:26:07	600	88	1.5	#178 Low Mass	4	
0088.COMP	10	09:57	05:25:19.3	-06:26:07	600	88	1.5	0 Calibration	4	
0089.j0529p04	1200	10:05	05:29:33.9	+04:07:20	600	90	1.5	#178 Low Mass	4	
0090.COMP	10	10:25	05:29:33.9	+04:07:20	600	89	1.5	0 Calibration	4	



UT Date 2016-12-05 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0091.j0601p00	981	10:27	06:01:28.4	+00:56:01	600	89	1.5	#178 Low Mass	4	
0092.COMP	10	10:48	06:01:28.4	+00:56:01	600	89	1.5	0 Calibration	4	
0093.j0602p33	1500	10:50	06:02:57.0	+33:14:17	600	89	1.5	#178 Low Mass	4	
0094.COMP	10	11:16	06:02:57.0	+33:14:17	600	90	1.5	0 Calibration	4	
0095.j0603p34	1500	11:18	06:03:30.9	+34:00:30	600	90	1.5	#178 Low Mass	4	
0096.COMP	10	11:43	06:03:30.9	+34:00:30	600	89	1.5	0 Calibration	4	
0097.j0609p35	700	11:45	06:09:12.0	+35:25:49	600	95	1.5	#178 Low Mass	4	
0098.COMP	10	11:57	06:09:12.0	+35:25:49	600	94	1.5	0 Calibration	4	
0099.Feige34	180	11:59	10:39:36.7	+43:06:09	600	91	1.5	#56 Spectropho	4	
0100.COMP	10	12:03	10:39:36.7	+43:06:09	600	90	1.5	0 Calibration	4	
0101.snASASSN-16ns	1500	12:12	10:04:18.6	+43:25:29	300	79	3.0	#220 ASASSN Tr	2	
0102.COMP	10	12:38	10:04:18.6	+43:25:29	300	79	3.0	0 Calibration	2	
0103.snASASSN-16no	1500	12:39	08:07:27.4	+25:07:45	300	90	3.0	#220 ASASSN Tr	2	
0104.COMP	10	13:05	08:07:27.4	+25:07:45	300	90	3.0	0 Calibration	2	
0105.Feige34	150	13:07	10:39:36.7	+43:06:09	300	90	3.0	#56 Spectropho	2	
0106.COMP	10	13:10	10:39:36.7	+43:06:09	300	90	3.0	0 Calibration	2	
0107.HD84937	27	13:12	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0108.COMP	10	13:13	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0109.HD84937	15	13:14	09:48:56.1	+13:44:39	300	90	3.0	#56 Spectropho	2	
0110.COMP	10	13:15	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	

UT Date 2016-12-05 Observers M CalkinsColl. Focus 1280 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0111-0120.BIAS	0	13:18	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	
0121-0140.FLAT	7	13:23	09:48:56.1	+13:44:39	300	90	3.0	0 Calibration	2	

UT Date 2016-12-06 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:43	22:11:31.4	+18:05:34	600	90	2.0	0 Calibration	2	
0011-0025.FLAT	12	00:48	22:11:31.4	+18:05:34	600	90	2.0	0 Calibration	2	
0026.BDp174708	120	01:17	22:11:31.4	+18:05:34	600	90	2.0	#228 M Dwarfs	2	
0027.BDp174708	120	01:20	22:11:31.4	+18:05:34	600	90	2.0	#228 M Dwarfs	2	
0028.BDp174708	120	01:23	22:11:31.4	+18:05:34	600	90	2.0	#228 M Dwarfs	2	
0029.COMP	10	01:25	22:11:31.4	+18:05:34	600	90	2.0	0 Calibration	2	
0030.20553771-1402078	600	01:27	20:55:37.8	-14:02:08	600	90	2.0	#228 M Dwarfs	2	
0031.20553771-1402078	600	01:38	20:55:37.8	-14:02:08	600	90	2.0	#228 M Dwarfs	2	
0032.COMP	10	01:48	20:55:37.8	-14:02:08	600	90	2.0	0 Calibration	2	
0033.23552591-0359000	600	01:51	23:55:26.0	-03:59:00	600	90	2.0	#228 M Dwarfs	2	
0034.COMP	10	02:02	23:55:26.0	-03:59:00	600	90	2.0	0 Calibration	2	
0035.23180785-0234475	1800	02:03	23:18:07.8	-02:34:48	600	90	2.0	#228 M Dwarfs	2	
0036.23180785-0234475	1800	02:36	23:18:07.8	-02:34:48	600	90	2.0	#228 M Dwarfs	2	
0037.COMP	10	03:06	23:18:07.8	-02:34:48	600	90	2.0	0 Calibration	2	
0038.23172072-0236323	1800	03:08	23:17:20.7	-02:36:32	600	90	2.0	#228 M Dwarfs	2	
0039.23172072-0236323	1800	03:38	23:17:20.7	-02:36:32	600	90	2.0	#228 M Dwarfs	2	
0040.COMP	10	04:08	23:17:20.7	-02:36:32	600	90	2.0	0 Calibration	2	
0041.03503201-1524174	1800	04:17	03:50:32.0	-15:24:18	600	90	2.0	#228 M Dwarfs	2	
0042.COMP	10	04:48	03:50:32.0	-15:24:18	600	90	2.0	0 Calibration	2	
0043.03465547-2254144	1800	04:50	03:46:55.5	-22:54:14	600	90	2.0	#228 M Dwarfs	2	

UT Date 2016-12-06 Observers P BerlindColl. Focus 1280 Grating/Grism 300

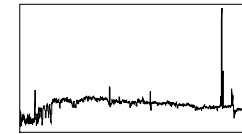
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0044.COMP	10	05:21	03:46:55.5	-22:54:14	600	90	2.0	0 Calibration	2	
0045.05015746-0656459	180	05:30	05:01:57.4	-06:56:47	600	90	2.0	#228 M Dwarfs	2	
0046.COMP	10	05:34	05:01:57.4	-06:56:47	600	90	2.0	0 Calibration	2	
0047.05102012+2714032	1800	05:37	05:10:20.1	+27:14:02	600	90	2.0	#228 M Dwarfs	2	
0048.05102012+2714032	1800	06:07	05:10:20.1	+27:14:02	600	90	2.0	#228 M Dwarfs	2	
0049.COMP	10	07:04	05:10:20.1	+27:14:02	600	90	2.0	0 Calibration	2	
0050.test	10	07:11	05:15:00.0	+32:00:00	300	90	3.0	#228 M Dwarfs	2	
0051.test	10	07:12	05:15:00.0	+32:00:00	300	90	3.0	#228 M Dwarfs	2	
0052.PS16fhf	1800	07:22	04:29:58.7	+12:29:08	300	90	3.0	#225 SLSNe and	2	
0053.COMP	10	07:53	04:29:58.7	+12:29:08	300	90	3.0	0 Calibration	2	
0054.snASASSN-16oj	1200	07:55	05:32:09.4	-02:04:24	300	90	3.0	#220 ASASSN Tr	2	
0055.snASASSN-16oj	1200	08:15	05:32:09.4	-02:04:24	300	90	3.0	#220 ASASSN Tr	2	
0056.snASASSN-16oj	1200	08:36	05:32:09.4	-02:04:24	300	90	3.0	#220 ASASSN Tr	2	
0057.COMP	10	08:56	05:32:09.4	-02:04:24	300	89	3.0	0 Calibration	2	
0058.05170487+5257522	1200	09:00	05:17:04.9	+52:57:52	300	89	3.0	#141 2MASS Red	2	
0059.COMP	10	09:22	05:17:04.9	+52:57:52	300	90	3.0	0 Calibration	2	
0060.05265332+5058497	900	09:25	05:26:53.3	+50:58:50	300	90	3.0	#141 2MASS Red	2	
0061.COMP	10	09:49	05:26:53.3	+50:58:50	300	89	3.0	0 Calibration	2	
0062.05414837+1433041	900	09:52	05:41:48.4	+14:33:04	300	89	3.0	#141 2MASS Red	2	
0063.COMP	10	10:07	05:41:48.4	+14:33:04	300	89	3.0	0 Calibration	2	

UT Date 2016-12-06 Observers P BerlindColl. Focus 1280 Grating/Grism 300

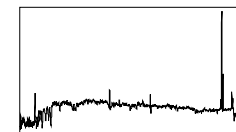
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.06113223+0755508	1800	10:13	06:11:32.2	+07:55:51	300	89	3.0	#141 2MASS Red	2	
0065.COMP	10	11:21	06:11:32.2	+07:55:51	300	89	3.0	0 Calibration	2	
0066.snASASSN16ns	1800	11:24	10:04:18.6	+43:25:29	300	89	3.0	#2 SN Observat	2	
0067.snASASSN16ns	1800	11:54	10:04:18.6	+43:25:29	300	89	3.0	#2 SN Observat	2	
0068.snASASSN16ns	1800	12:25	10:04:18.6	+43:25:29	300	89	3.0	#2 SN Observat	2	
0069.COMP	10	12:55	10:04:18.6	+43:25:29	300	89	3.0	0 Calibration	2	
0070.Feige34	180	12:58	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0071.COMP	10	13:01	10:39:36.7	+43:06:09	300	89	3.0	0 Calibration	2	
0072.HD84937	30	13:03	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0073.COMP	10	13:05	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0074-0083.BIAS	0	13:09	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0084-0098.FLAT	7	13:15	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0099-0103.DARK	1200	14:42	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	

UT Date 2016-12-28 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.BIAS	0	01:23	00:24:44.8	+31:24:50	300	87	3.0	0 Calibration	2	
0004-0005.BIAS	0	01:23	07:00:58.2	+27:09:27	300	87	3.0	0 Calibration	2	
0006-0010.BIAS	0	01:23	00:42:44.3	+41:16:09	300	87	3.0	0 Calibration	2	
0011-0025.FLAT	7	01:30	00:42:44.3	+41:16:09	300	87	3.0	0 Calibration	2	
0026.Feige34	180	11:25	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0027.COMP	10	11:28	10:39:36.7	+43:06:09	300	87	3.0	0 Calibration	2	
0028.HD84937	30	11:30	09:48:56.1	+13:44:39	300	87	3.0	#56 Spectropho	2	
0029.HD84937	30	11:32	09:48:56.1	+13:44:39	300	87	3.0	#226 GAIA-ESO	2	
0030.COMP	10	11:33	09:48:56.1	+13:44:39	300	87	3.0	0 Calibration	2	
0031.muLeo	10	11:36	09:52:45.8	+26:00:25	300	87	3.0	#226 GAIA-ESO	2	
0032.muLeo	10	11:36	09:52:45.8	+26:00:25	300	87	3.0	#226 GAIA-ESO	2	
0033.muLeo	10	11:37	09:52:45.8	+26:00:25	300	87	3.0	#226 GAIA-ESO	2	
0034.muLeo	10	11:37	09:52:45.8	+26:00:25	300	87	3.0	#226 GAIA-ESO	2	
0035.COMP	10	11:38	09:52:45.8	+26:00:25	300	87	3.0	0 Calibration	2	
0036.Gmb1830	2	11:40	11:52:58.8	+37:43:07	300	87	3.0	#226 GAIA-ESO	2	
0037.Gmb1830	20	11:41	11:52:58.8	+37:43:07	300	87	3.0	#226 GAIA-ESO	2	
0038.Gmb1830	40	11:42	11:52:58.8	+37:43:07	300	87	3.0	#226 GAIA-ESO	2	
0039.COMP	10	11:43	11:52:58.8	+37:43:07	300	87	3.0	0 Calibration	2	
0040.betVir	2	11:45	11:50:41.7	+01:45:53	300	87	3.0	#226 GAIA-ESO	2	
0041.betVir	2	11:46	11:50:41.7	+01:45:53	300	87	3.0	#226 GAIA-ESO	2	

UT Date 2016-12-28 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0042.COMP	10	11:46	11:50:41.7	+01:45:53	300	87	3.0	0 Calibration	2	
0043.HD107328	10	11:49	12:20:21.0	+03:18:45	300	87	3.0	#226 GAIA-ESO	2	
0044.HD107328	10	11:49	12:20:21.0	+03:18:45	300	87	3.0	#226 GAIA-ESO	2	
0045.HD107328	2	11:50	12:20:21.0	+03:18:45	300	87	3.0	#226 GAIA-ESO	2	
0046.COMP	10	11:50	12:20:21.0	+03:18:45	300	87	3.0	0 Calibration	2	
0047.epsVir	10	11:53	13:02:10.6	+10:57:33	300	87	3.0	#226 GAIA-ESO	2	
0048.epsVir	10	11:54	13:02:10.6	+10:57:33	300	87	3.0	#226 GAIA-ESO	2	
0049.epsVir	10	11:54	13:02:10.6	+10:57:33	300	87	3.0	#226 GAIA-ESO	2	
0050.COMP	10	11:55	13:02:10.6	+10:57:33	300	87	3.0	0 Calibration	2	
0051.etaBoo	10	11:56	13:54:41.1	+18:23:52	300	87	3.0	#226 GAIA-ESO	2	
0052.etaBoo	10	11:57	13:54:41.1	+18:23:52	300	87	3.0	#226 GAIA-ESO	2	
0053.etaBoo	1	11:58	13:54:41.1	+18:23:52	300	87	3.0	#226 GAIA-ESO	2	
0054.etaBoo	4	11:58	13:54:41.1	+18:23:52	300	87	3.0	#226 GAIA-ESO	2	
0055.COMP	10	11:59	13:54:41.1	+18:23:52	300	87	3.0	0 Calibration	2	
0056-0065.BIAS	0	12:06	13:54:41.1	+18:23:52	300	87	3.0	0 Calibration	2	
0066-0080.FLAT	7	12:12	13:54:41.1	+18:23:52	300	87	3.0	0 Calibration	2	
0081-0085.DARK	1200	13:34	13:54:41.1	+18:23:52	300	87	3.0	0 Calibration	2	

UT Date 2016-12-30 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	00:04	00:42:41.8	+40:51:55	300	87	3.0	0 Calibration	2	
0011-0025.FLAT	7	00:10	00:42:41.8	+40:51:55	300	87	3.0	0 Calibration	2	
0026-0028.DARK	1200	00:51	00:42:41.8	+40:51:55	300	87	3.0	0 Calibration	2	
0029.ZAnd	5	01:19	23:33:40.0	+48:49:06	300	87	3.0	#12 Symbiotic	2	
0030.ZAnd	15	01:19	23:33:40.0	+48:49:06	300	87	3.0	#12 Symbiotic	2	
0031.ZAnd	30	01:20	23:33:40.0	+48:49:06	300	87	3.0	#12 Symbiotic	2	
0032.COMP	10	01:21	23:33:40.0	+48:49:06	300	87	3.0	0 Calibration	2	
0033.AGPeg	5	01:23	21:51:02.0	+12:37:33	300	87	3.0	#12 Symbiotic	2	
0034.AGPeg	2	01:23	21:51:02.0	+12:37:33	300	87	3.0	#12 Symbiotic	2	
0035.AGPeg	15	01:24	21:51:02.0	+12:37:33	300	87	3.0	#12 Symbiotic	2	
0036.AGPeg	1	01:24	21:51:02.0	+12:37:33	300	87	3.0	#12 Symbiotic	2	
0037.COMP	10	01:24	21:51:02.0	+12:37:33	300	87	3.0	0 Calibration	2	
0038.RAqr	10	01:26	23:43:49.0	-15:17:05	300	87	3.0	#12 Symbiotic	2	
0039.RAqr	30	01:27	23:43:49.0	-15:17:05	300	87	3.0	#12 Symbiotic	2	
0040.RAqr	90	01:27	23:43:49.0	-15:17:05	300	87	3.0	#12 Symbiotic	2	
0041.RAqr	120	01:29	23:43:49.0	-15:17:05	300	87	3.0	#12 Symbiotic	2	
0042.COMP	10	01:32	23:43:49.0	-15:17:05	300	87	3.0	0 Calibration	2	
0043.EGAnd	3	02:57	00:44:37.0	+40:40:47	300	87	3.0	#12 Symbiotic	2	
0044.EGAnd	6	02:58	00:44:37.0	+40:40:47	300	87	3.0	#12 Symbiotic	2	
0045.EGAnd	10	02:58	00:44:37.0	+40:40:47	300	87	3.0	#12 Symbiotic	2	



UT Date 2016-12-30 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0046.COMP	10	02:59	00:44:37.0	+40:40:47	300	87	3.0	0 Calibration	2	
0047.AXPer	10	03:01	01:36:23.0	+54:15:03	300	87	3.0	#12 Symbiotic	2	
0048.AXPer	20	03:02	01:36:23.0	+54:15:03	300	87	3.0	#12 Symbiotic	2	
0049.AXPer	60	03:02	01:36:23.0	+54:15:03	300	87	3.0	#12 Symbiotic	2	
0050.AXPer	180	03:04	01:36:23.0	+54:15:03	300	87	3.0	#12 Symbiotic	2	
0051.COMP	10	03:08	01:36:23.0	+54:15:03	300	87	3.0	0 Calibration	2	
0052.AWI00055xe	30	03:13	05:35:23.1	+59:45:48	300	87	3.0	#219 WISE Debr	2	
0053.COMP	10	03:14	05:35:23.1	+59:45:48	300	87	3.0	0 Calibration	2	
0054.AWI00055xg	90	03:16	05:37:07.2	+60:36:36	300	87	3.0	#219 WISE Debr	2	
0055.AWI00055xg	30	03:18	05:37:07.2	+60:36:36	300	87	3.0	#219 WISE Debr	2	
0056.COMP	10	03:19	05:37:07.2	+60:36:36	300	87	3.0	0 Calibration	2	
0057.AWI0002d85	35	03:21	05:38:49.6	+42:23:55	300	87	3.0	#219 WISE Debr	2	
0058.COMP	10	03:22	05:38:49.6	+42:23:55	300	87	3.0	0 Calibration	2	
0059.AWI0004294	75	03:24	05:43:39.9	+22:59:19	300	87	3.0	#219 WISE Debr	2	
0060.COMP	10	03:26	05:43:39.9	+22:59:19	300	87	3.0	0 Calibration	2	
0061.AWI00062ua	720	03:28	05:44:17.4	+09:10:59	300	87	3.0	#219 WISE Debr	2	
0062.COMP	10	03:40	05:44:17.4	+09:10:59	300	87	3.0	0 Calibration	2	
0063.AWI0005n1d	1200	03:42	05:46:34.0	+09:54:52	300	87	3.0	#219 WISE Debr	2	
0064.COMP	10	04:02	05:46:34.0	+09:54:52	300	87	3.0	0 Calibration	2	
0065.AWI00062uo	900	04:04	05:43:42.1	+10:02:21	300	87	3.0	#219 WISE Debr	2	

UT Date 2016-12-30 Observers P BerlindColl. Focus 1280 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0066.COMP	10	04:19	05:43:42.1	+10:02:21	300	87	3.0	0 Calibration	2	
0067.HD19445	10	04:43	03:08:25.6	+26:19:51	300	87	3.0	#56 Spectropho	2	
0068.COMP	10	04:44	03:08:25.6	+26:19:51	300	87	3.0	0 Calibration	2	
0069.AWI0005wk5	30	04:46	05:35:59.0	-01:45:47	300	87	3.0	#219 WISE Debr	2	
0070.AWI0005wk5	30	04:48	05:35:59.0	-01:45:47	300	87	3.0	#219 WISE Debr	2	
0071.COMP	10	04:49	05:35:59.0	-01:45:47	300	87	3.0	0 Calibration	2	
0072.AWI0005ws4	480	04:50	05:41:59.8	+00:35:27	300	87	3.0	#219 WISE Debr	2	
0073.COMP	10	04:59	05:41:59.8	+00:35:27	300	87	3.0	0 Calibration	2	
0074.AWI00062rh	1200	05:01	05:50:07.7	+02:57:15	300	87	3.0	#219 WISE Debr	2	
0075.COMP	10	05:21	05:50:07.7	+02:57:15	300	87	3.0	0 Calibration	2	
0076.AWI0005wve	20	05:25	05:52:07.7	-09:02:30	300	87	3.0	#219 WISE Debr	2	
0077.COMP	10	05:26	05:52:07.7	-09:02:30	300	87	3.0	0 Calibration	2	
0078.AWI00062qq	30	05:27	06:04:56.2	-05:20:35	300	87	3.0	#219 WISE Debr	2	
0079.COMP	10	05:28	06:04:56.2	-05:20:35	300	87	3.0	0 Calibration	2	
0080.AWI0006391	30	05:30	06:21:58.4	-08:13:47	300	87	3.0	#219 WISE Debr	2	
0081.COMP	10	05:31	06:21:58.4	-08:13:47	300	87	3.0	0 Calibration	2	
0082.AWI00062qv	631	05:43	06:04:17.8	-10:03:35	300	87	3.0	#219 WISE Debr	2	
0083.COMP	10	05:54	06:04:17.8	-10:03:35	300	87	3.0	0 Calibration	2	
0084.AWI000637u	900	06:13	06:13:49.9	-09:14:06	300	87	3.0	#219 WISE Debr	2	
0085.COMP	10	06:29	06:13:49.9	-09:14:06	300	87	3.0	0 Calibration	2	

UT Date 2016-12-30 Observers P BerlindColl. Focus 1280 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0086.AWI00062s0	1200	06:48	05:53:40.9	+01:38:14	300	87	3.0	#219 WISE Debr	2	
0087.COMP	10	07:08	05:53:40.9	+01:38:14	300	87	3.0	0 Calibration	2	
0088.AWI000639v	30	07:10	06:32:47.7	-17:42:37	300	87	3.0	#219 WISE Debr	2	
0089.COMP	10	07:11	06:32:47.7	-17:42:37	300	87	3.0	0 Calibration	2	
0090.AWI000639e	1500	07:12	06:25:11.2	-14:25:29	300	87	3.0	#219 WISE Debr	2	
0091.COMP	10	07:38	06:25:11.2	-14:25:29	300	88	3.0	0 Calibration	2	
0092.HD84937	40	10:41	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0093.COMP	10	10:42	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0094.Feige34	270	10:44	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0095-0104.BIAS	0	10:53	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0105-0119.FLAT	7	10:59	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	
0120-0124.DARK	1200	12:25	10:39:36.7	+43:06:09	300	88	3.0	0 Calibration	2	