

UT Date 2019-12-21 Observers JDavisColl. Focus 1320 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	19:02	17:23:58.1	+31:43:04	300	87	1.5	0 Calibration	2	
0002.COMP	5	19:03	17:23:58.1	+31:43:04	300	87	1.5	0 Calibration	2	
0003-0007.DARK	900	00:01	21:05:56.8	-17:13:58	300	88	1.5	0 Calibration	2	
0010-0022.FLAT	14	00:24	21:05:56.8	-17:13:58	300	88	1.5	0 Calibration	2	
0023-0024.BIAS	0	01:40	00:12:04.4	+31:35:30	300	87	1.5	0 Calibration	2	
0025-0029.BIAS	0	01:43	00:14:44.4	+31:35:29	300	87	1.5	0 Calibration	2	
0030.pelm053	656	10:58	08:07:39.3	+13:21:11	300	87	1.5	#230 Gravitati	2	
0031.COMP	10	11:10	08:07:39.3	+13:21:11	300	87	1.5	0 Calibration	2	
0032.Feige34	180	11:12	10:39:36.7	+43:06:09	300	87	1.5	#56 Spectropho	2	
0033.COMP	10	11:17	10:39:36.7	+43:06:09	300	87	1.5	0 Calibration	2	
0034.pelm057	520	11:21	08:36:01.9	-00:44:23	300	87	1.5	#230 Gravitati	2	
0035.COMP	10	11:30	08:36:01.9	-00:44:23	300	87	1.5	0 Calibration	2	
0036.pelm060	300	11:36	09:25:09.6	-14:11:22	300	87	1.5	#230 Gravitati	2	
0037.COMP	10	11:41	09:25:09.6	-14:11:22	300	87	1.5	0 Calibration	2	
0038.pelm061	1000	11:45	09:47:29.4	+27:16:27	300	87	1.5	#230 Gravitati	2	
0039.COMP	10	12:02	09:47:29.4	+27:16:27	300	87	1.5	0 Calibration	2	
0040.pelm062	174	12:06	09:48:45.6	-24:56:50	300	87	1.5	#230 Gravitati	2	
0041.pelm062	600	12:09	09:48:45.6	-24:56:50	300	87	1.5	#230 Gravitati	2	
0042.COMP	10	12:20	09:48:45.6	-24:56:50	300	87	1.5	0 Calibration	2	
0043.pelm063	900	12:24	10:13:42.1	+26:06:20	300	87	1.5	#230 Gravitati	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>
0044.COMP	10	12:39	10:13:42.1	+26:06:20	300	87	1.5	0 Calibration	2	
0045.pelm064	200	12:43	10:30:00.4	-23:48:03	300	87	1.5	#230 Gravitati	2	
0046.COMP	10	12:47	10:30:00.4	-23:48:03	300	87	1.5	0 Calibration	2	
0047-0056.BIAS	0	13:00	10:30:00.4	-23:48:03	300	87	1.5	0 Calibration	2	
0058-0066.FLAT	14	13:04	10:30:00.4	-23:48:03	300	87	1.5	0 Calibration	2	
0067-0071.DARK	900	14:07	10:30:00.4	-23:48:03	300	87	1.5	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.DARK	900	23:47	10:30:00.4	-23:48:03	300	87	1.5	0 Calibration	2	
0004-0006.DARK	900	00:37	10:30:00.4	-23:48:03	1200	87	1.5	0 Calibration	2	
0007-0016.FLAT	14	01:06	23:33:55.2	+31:35:31	1200	89	1.5	0 Calibration	2	
0017-0026.BIAS	0	01:09	23:33:55.2	+31:35:31	1200	89	1.5	0 Calibration	2	
0027.fastfoc	12	01:10	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0028.fastfoc	12	01:11	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0029.fastfoc	12	01:11	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0030.fastfoc	12	01:12	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0031.fastfoc	12	01:12	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0032.fastfoc	12	01:13	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0033.fastfoc	6	01:15	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0034.fastfoc	6	01:16	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0035.fastfoc	6	01:16	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0036.fastfoc	6	01:16	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0037.fastfoc	6	01:17	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0038.fastfoc	6	01:17	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0039.fastfoc	6	01:17	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0040.fastfoc	6	01:18	23:33:55.2	+31:35:31	1200	89	1.5	#231 BH/NS bin	2	
0041.HIP5240	60	01:30	01:07:00.1	+56:56:07	1200	89	1.5	#231 Non-inter	2	
0042.COMP	10	01:32	01:07:00.1	+56:56:07	1200	89	1.5	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0043.2M21041709p2825175	600	01:39	21:04:17.1	+28:25:18	1200	89	1.5	#231 Non-inter	2	
0044.COMP	10	01:50	21:04:17.1	+28:25:18	1200	89	1.5	0 Calibration	2	
0045.2M23563748p5706276	800	01:57	23:56:37.5	+57:06:28	1200	89	1.5	#231 Non-inter	2	
0046.COMP	10	02:11	23:56:37.5	+57:06:28	1200	89	1.5	0 Calibration	2	
0047.2M00093745p5823242	800	02:16	00:09:37.5	+58:23:24	1200	89	1.5	#231 Non-inter	2	
0048.COMP	10	02:30	00:09:37.5	+58:23:24	1200	89	1.5	0 Calibration	2	
0049.HIP117420	60	02:37	23:48:32.5	-06:22:49	1200	89	1.5	#231 Non-inter	2	
0050.COMP	10	02:39	23:48:32.5	-06:22:49	1200	89	1.5	0 Calibration	2	
0051.HIP1477	60	02:43	00:18:20.7	+30:23:46	1200	89	1.5	#231 Non-inter	2	
0052.COMP	10	02:44	00:18:20.7	+30:23:46	1200	89	1.5	0 Calibration	2	
0053.2M03351495p4607233	120	02:54	03:35:15.0	+46:07:23	1200	89	1.5	#231 Non-inter	2	
0054.COMP	10	02:56	03:35:15.0	+46:07:23	1200	89	1.5	0 Calibration	2	
0055.2M03330186m0513360	600	03:04	03:33:01.9	-05:13:36	1200	89	1.5	#231 Non-inter	2	
0056.COMP	10	03:16	03:33:01.9	-05:13:36	1200	89	1.5	0 Calibration	2	
0057.2M03315923m0747290	360	03:20	03:31:59.2	-07:47:29	1200	89	1.5	#231 Non-inter	2	
0058.COMP	10	03:26	03:31:59.2	-07:47:29	1200	89	1.5	0 Calibration	2	
0059.2M05094952p2419593	1400	03:35	05:09:49.5	+24:19:59	1200	89	1.5	#231 Non-inter	2	
0060.COMP	10	03:58	05:09:49.5	+24:19:59	1200	89	1.5	0 Calibration	2	
0061.2M04123153p6738486	1600	04:06	04:12:31.5	+67:38:49	1200	89	1.5	#231 Non-inter	2	
0062.COMP	10	04:33	04:12:31.5	+67:38:49	1200	89	1.5	0 Calibration	2	

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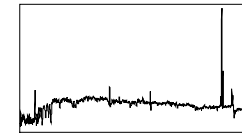
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.2M05523542p1115034	600	04:47	05:52:35.4	+11:15:03	1200	89	1.5	#231 Non-inter	2	
0064.COMP	10	04:57	05:52:35.4	+11:15:03	1200	89	1.5	0 Calibration	2	
0065.2M05523542p1115034	400	04:59	05:52:35.4	+11:15:03	1200	89	1.5	#231 Non-inter	2	
0066.COMP	10	05:06	05:52:35.4	+11:15:03	1200	89	1.5	0 Calibration	2	
0067.2M06364600p3557216	800	05:15	06:36:46.0	+35:57:22	1200	89	1.5	#231 Non-inter	2	
0068.COMP	10	05:29	06:36:46.0	+35:57:22	1200	89	1.5	0 Calibration	2	
0069.2M06364600p3557216	1200	05:30	06:36:46.0	+35:57:22	1200	89	1.5	#231 Non-inter	2	
0070.COMP	10	05:50	06:36:46.0	+35:57:22	1200	89	1.5	0 Calibration	2	
0071.2M06302812p0210543	1500	05:58	06:30:28.1	+02:10:54	1200	89	1.5	#231 Non-inter	2	
0072.COMP	10	06:24	06:30:28.1	+02:10:54	1200	89	1.5	0 Calibration	2	
0073.2M08465205m1507171	800	10:53	08:46:52.1	-15:07:17	1200	89	1.5	#231 Non-inter	2	
0074.COMP	10	11:06	08:46:52.1	-15:07:17	1200	89	1.5	0 Calibration	2	
0075.2M09432436p3901385	500	12:05	09:43:24.4	+39:01:39	1200	89	1.5	#231 Non-inter	2	
0076.COMP	10	12:13	09:43:24.4	+39:01:39	1200	89	1.5	0 Calibration	2	
0077.2M09432436p3901385	1200	12:15	09:43:24.4	+39:01:39	1200	89	1.5	#231 Non-inter	2	
0078.COMP	10	12:36	09:43:24.4	+39:01:39	1200	89	1.5	0 Calibration	2	
0079.2M12201387p1533262	180	12:41	12:20:13.9	+15:33:26	1200	89	1.5	#231 Non-inter	2	
0080.COMP	10	12:44	12:20:13.9	+15:33:26	1200	89	1.5	0 Calibration	2	
0081-0083.DARK	900	13:27	12:20:13.9	+15:33:26	1200	89	1.5	0 Calibration	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	23:28	22:07:43.2	+31:36:09	300	85	1.5	0 Calibration	2	
0002.BIAS	0	23:29	22:07:43.2	+31:36:09	300	85	1.5	0 Calibration	2	
0003.COMP	5	23:30	22:07:43.2	+31:36:09	300	85	1.5	0 Calibration	2	
0004.COMP	5	23:32	22:07:43.2	+31:36:09	300	85	1.5	0 Calibration	2	
0005.COMP	5	23:34	22:07:43.2	+31:36:09	300	85	1.5	0 Calibration	2	
0006.COMP	5	23:36	22:07:43.2	+31:36:09	300	85	1.5	0 Calibration	2	
0007-0011.DARK	900	00:43	22:18:16.7	+31:36:02	300	85	1.5	0 Calibration	2	
0012-0021.FLAT	14	01:16	23:49:52.6	+31:35:24	300	72	1.5	0 Calibration	2	
0022.BDp174708	180	01:55	22:11:31.4	+18:05:34	300	72	1.5	#56 Spectropho	2	
0023.COMP	10	01:59	22:11:31.4	+18:05:34	300	72	1.5	0 Calibration	2	
0024.EGAnd	1	02:02	00:44:37.0	+40:40:47	300	72	1.5	#12 Symbiotic	2	
0025.EGAnd	5	02:02	00:44:37.0	+40:40:47	300	72	1.5	#12 Symbiotic	2	
0026.EGAnd	10	02:02	00:44:37.0	+40:40:47	300	72	3.0	#12 Symbiotic	2	
0027.EGAnd	1	02:03	00:44:37.0	+40:40:47	300	72	3.0	#12 Symbiotic	2	
0028.EGAnd	5	02:03	00:44:37.0	+40:40:47	300	72	3.0	#12 Symbiotic	2	
0029.RAqr	1	02:11	23:43:49.0	-15:17:05	300	72	3.0	#12 Symbiotic	2	
0030.RAqr	5	02:11	23:43:49.0	-15:17:05	300	72	3.0	#12 Symbiotic	2	
0031.RAqr	10	02:11	23:43:49.0	-15:17:05	300	72	3.0	#12 Symbiotic	2	
0032.ZAnd	1	02:14	23:33:40.0	+48:49:06	300	72	3.0	#12 Symbiotic	2	
0033.ZAnd	5	02:14	23:33:40.0	+48:49:06	300	72	3.0	#12 Symbiotic	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0034.ZAnd	30	02:15	23:33:40.0	+48:49:06	300	72	3.0	#12 Symbiotic	2	
0035.COMP	10	02:15	23:33:40.0	+48:49:06	300	72	3.0	0 Calibration	2	
0036.RAqr	5	02:19	23:43:49.0	-15:17:05	300	72	3.0	#12 Symbiotic	2	
0037.COMP	10	02:19	23:43:49.0	-15:17:05	300	72	3.0	0 Calibration	2	
0038.EGAnd	5	02:22	00:44:37.0	+40:40:47	300	72	3.0	#12 Symbiotic	2	
0039.COMP	10	02:22	00:44:37.0	+40:40:47	300	72	3.0	0 Calibration	2	
0040.AGPeg	1	02:25	21:51:02.0	+12:37:33	300	72	3.0	#12 Symbiotic	2	
0041.AGPeg	10	02:26	21:51:02.0	+12:37:33	300	72	3.0	#12 Symbiotic	2	
0042.AGPeg	30	02:26	21:51:02.0	+12:37:33	300	72	3.0	#12 Symbiotic	2	
0043.COMP	10	02:27	21:51:02.0	+12:37:33	300	72	3.0	0 Calibration	2	
0044.V1057Cyg	30	02:32	20:58:54.0	+44:15:30	300	72	3.0	#12 Symbiotic	2	
0045.V1057Cyg	90	02:33	20:58:54.0	+44:15:30	300	72	3.0	#12 Symbiotic	2	
0046.COMP	10	02:35	20:58:54.0	+44:15:30	300	72	3.0	0 Calibration	2	
0047.AXPer	4	02:39	01:36:23.0	+54:15:03	300	72	3.0	#12 Symbiotic	2	
0048.AXPer	30	02:39	01:36:23.0	+54:15:03	300	72	3.0	#12 Symbiotic	2	
0049.AXPer	90	02:40	01:36:23.0	+54:15:03	300	72	3.0	#12 Symbiotic	2	
0050.COMP	10	02:42	01:36:23.0	+54:15:03	300	72	3.0	0 Calibration	2	
0051.AXPer	300	02:43	01:36:23.0	+54:15:03	300	72	3.0	#12 Symbiotic	2	
0052-0061.FLAT	7	02:56	04:33:34.0	+24:21:18	300	72	3.0	0 Calibration	2	
0062.fastfoc	4	03:06	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0063.fastfoc	4	03:06	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	
0064.fastfoc	4	03:06	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	
0065.fastfoc	4	03:07	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	
0066.fastfoc	4	03:07	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	
0067.fastfoc	4	03:07	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	
0068.fastfoc	4	03:08	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	
0069.fastfoc	4	03:08	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	
0070.fastfoc	4	03:08	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	
0071.fastfoc	4	03:09	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	
0072.pelm152	800	03:16	23:05:02.4	+43:02:46	300	72	1.5	#230 Gravitati	2	
0073.COMP	10	03:34	23:14:18.4	+71:19:01	300	72	1.5	0 Calibration	2	
0074.g01	1200	03:44	00:05:04.8	-01:27:08	300	72	1.5	#230 Gravitati	2	
0075.COMP	10	04:04	00:05:04.8	-01:27:08	300	72	1.5	0 Calibration	2	
0076.j0006p31	1200	04:06	00:06:37.9	+31:04:16	300	72	1.5	#230 Gravitati	2	
0077.COMP	10	04:26	00:06:37.9	+31:04:16	300	72	1.5	0 Calibration	2	
0078.j0006p29	632	04:29	00:06:53.2	+29:07:42	300	72	1.5	#230 Gravitati	2	
0079.COMP	10	04:42	00:06:53.2	+29:07:42	300	72	1.5	0 Calibration	2	
0080.g64	300	04:55	02:15:06.2	+01:55:03	300	72	1.5	#230 Gravitati	2	
0081.COMP	10	05:02	02:15:06.2	+01:55:03	300	72	1.5	0 Calibration	2	
0082.j0224p75	800	05:09	02:24:09.0	+75:02:57	300	72	1.5	#230 Gravitati	2	



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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0083.COMP	10	05:23	02:24:09.0	+75:02:57	300	72	1.5	0 Calibration	2	
0084.hva4048	1000	05:28	02:27:47.0	-12:29:21	300	72	1.5	#230 Gravitati	2	
0085.COMP	10	05:45	02:27:47.0	-12:29:21	300	72	1.5	0 Calibration	2	
0086.j0235	900	05:49	02:35:51.3	+01:18:45	300	72	1.5	#230 Gravitati	2	
0087.COMP	10	06:05	02:35:51.3	+01:18:45	300	72	1.5	0 Calibration	2	
0088.g98	769	07:06	04:03:24.7	-03:28:52	300	72	1.5	#230 Gravitati	2	
0089.COMP	10	07:19	04:03:24.7	-03:28:52	300	72	1.5	0 Calibration	2	
0090.pelm040	500	07:24	06:41:15.6	-13:41:24	300	72	1.5	#230 Gravitati	2	
0091.COMP	10	07:33	06:41:15.6	-13:41:24	300	72	1.5	0 Calibration	2	
0092.pelm043	1000	07:36	06:54:57.7	+12:00:10	300	72	1.5	#230 Gravitati	2	
0093.COMP	10	07:53	06:54:57.7	+12:00:10	300	72	1.5	0 Calibration	2	
0094.G191B2B	500	07:55	05:05:30.6	+52:49:52	300	72	1.5	#56 Spectropho	2	
0095.COMP	10	08:04	05:05:30.6	+52:49:52	300	72	1.5	0 Calibration	2	
0096.pelm048	500	08:07	07:18:56.2	+10:26:38	300	72	1.5	#230 Gravitati	2	
0097.COMP	10	08:16	07:18:56.2	+10:26:38	300	72	1.5	0 Calibration	2	
0098-0107.FLAT	14	11:01	07:18:56.2	+10:26:38	300	72	1.5	0 Calibration	2	
0118-0127.BIAS	0	11:06	07:18:56.2	+10:26:38	300	72	1.5	0 Calibration	2	
0128-0132.DARK	900	12:08	07:18:56.2	+10:26:38	300	72	1.5	0 Calibration	2	
comp300+600.ms	10	05:47	10:39:36.9	+43:06:11	300	90	3.0	#56 Spectropho	1	