

UT Date 2019-04-05 Observers M. Foley; P. ChallisColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0003.BIAS	0	02:51	08:09:37.7	+31:30:31	300	84	3.0	0 Calibration	2	
0004.COMP	10	02:54	08:09:37.7	+31:30:31	300	84	3.0	0 Calibration	2	
0005.COMP	10	03:11	08:09:37.7	+31:30:31	300	84	3.0	0 Calibration	2	
0006.COMP	10	03:14	08:09:37.7	+31:30:31	300	84	3.0	0 Calibration	2	
0007.COMP	10	03:15	08:09:37.7	+31:30:31	300	84	3.0	0 Calibration	2	
0008.COMP	10	03:15	08:09:37.7	+31:30:31	300	84	3.0	0 Calibration	2	
0009-0018.BIAS	0	03:26	08:09:37.7	+31:30:31	300	84	3.0	0 Calibration	4	
0019-0028.FLAT	4	03:29	08:09:37.7	+31:30:31	300	84	3.0	0 Calibration	4	
0029-0038.BIAS	0	03:30	08:09:37.7	+31:30:31	300	84	3.0	0 Calibration	2	
0039-0053.FLAT	7	03:35	08:09:37.7	+31:30:31	300	84	3.0	0 Calibration	2	
0054.Feige34	30	04:02	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0055.COMP	10	04:05	10:39:36.7	+43:06:09	300	87	3.0	0 Calibration	2	
0056.Feige34	180	04:07	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0057.COMP	10	04:11	10:39:36.7	+43:06:09	300	87	3.0	0 Calibration	2	
0058.HD84937	10	04:18	09:48:56.1	+13:44:39	300	87	3.0	#56 Spectropho	2	
0059.COMP	10	04:19	09:48:56.1	+13:44:39	300	87	3.0	0 Calibration	2	
0060.snAT2019bpu	600	04:26	08:44:06.2	+49:47:38	300	87	3.0	#2 SN Observat	2	
0061.COMP	10	04:36	08:44:06.2	+49:47:38	300	87	3.0	0 Calibration	2	
0062.BGGem	300	04:57	06:03:31.0	+27:41:50	300	85	3.0	#12 Symbiotic	2	
0063.COMP	10	05:03	06:03:31.0	+27:41:50	300	85	3.0	0 Calibration	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0064.BGGem	300	05:04	06:03:31.0	+27:41:50	300	85	3.0	#12 Symbiotic	2	
0065.COMP	10	05:09	06:03:31.0	+27:41:50	300	85	3.0	0 Calibration	2	
0066.BXMon	15	05:15	07:25:23.0	-03:35:51	300	86	3.0	#12 Symbiotic	2	
0067.COMP	10	05:16	07:25:23.0	-03:35:51	300	86	3.0	0 Calibration	2	
0068.BXMon	180	05:21	07:26:31.7	-03:36:27	300	85	3.0	#12 Symbiotic	2	
0069.COMP	10	05:24	07:26:31.7	-03:36:27	300	85	3.0	0 Calibration	2	
0070.HD84937	10	05:37	09:48:56.1	+13:44:39	300	77	3.0	#56 Spectropho	2	
0071.COMP	10	05:38	09:48:56.1	+13:44:39	300	77	3.0	0 Calibration	2	
0072.HD84937	30	05:39	09:48:56.1	+13:44:39	300	77	3.0	#56 Spectropho	2	
0073.COMP	10	05:40	09:48:56.1	+13:44:39	300	77	3.0	0 Calibration	2	
0074.snAT2019crc	1010	05:54	10:19:49.5	+33:22:04	300	77	3.0	#2 SN Observat	2	
0075.snAT2019clp	1800	06:30	12:13:39.8	+16:07:24	300	86	3.0	#2 SN Observat	2	
0076.COMP	10	07:00	12:13:39.8	+16:07:24	300	86	3.0	0 Calibration	2	
0077.snAT2019clp	1800	07:01	12:13:39.8	+16:07:24	300	86	3.0	#2 SN Observat	2	
0078.COMP	10	07:32	12:13:39.8	+16:07:24	300	86	3.0	0 Calibration	2	

UT Date 2019-04-06 Observers M. Foley; P. ChallisColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	02:14	12:44:42.0	+36:45:48	300	80	3.0	0 Calibration	2	
0002-0011.BIAS	0	02:18	12:44:42.0	+36:45:48	300	80	3.0	0 Calibration	4	
0012-0021.FLAT	4	02:21	12:44:42.0	+36:45:48	300	80	3.0	0 Calibration	4	
0022-0031.BIAS	0	02:22	12:44:42.0	+36:45:48	300	80	3.0	0 Calibration	2	
0032-0046.FLAT	7	02:27	12:44:42.0	+36:45:48	300	80	3.0	0 Calibration	2	
0047.Feige34	180	03:13	10:39:36.7	+43:06:09	300	86	3.0	#56 Spectropho	2	
0048.COMP	10	03:16	10:39:36.7	+43:06:09	300	86	3.0	0 Calibration	2	
0049.HD84937	30	03:22	09:48:56.1	+13:44:39	300	83	3.0	#56 Spectropho	2	
0050.COMP	10	03:23	09:48:56.1	+13:44:39	300	83	3.0	0 Calibration	2	
0051.snAT2019clq	1800	03:34	07:36:37.6	+74:26:47	300	83	3.0	#2 SN Observat	2	
0052.COMP	10	04:04	07:36:37.6	+74:26:47	300	83	3.0	0 Calibration	2	
0053.snAT2019cgl	900	04:21	08:36:18.9	-08:09:30	300	87	3.0	#2 SN Observat	2	
0054.COMP	10	04:36	08:36:18.9	-08:09:30	300	87	3.0	0 Calibration	2	
0055.snAT2019azh	900	04:48	08:13:16.9	+22:38:54	300	85	3.0	#2 SN Observat	2	
0056.COMP	10	05:03	08:13:16.9	+22:38:54	300	85	3.0	0 Calibration	2	
0057.snAT2019cox	1339	05:09	09:15:30.4	-04:46:26	300	85	3.0	#2 SN Observat	2	
0058.COMP	10	05:31	09:15:30.4	-04:46:26	300	85	3.0	0 Calibration	2	

UT Date 2019-04-07 Observers M. Foley; P. ChallisColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	02:08	13:29:52.4	+47:11:41	300	85	3.0	0 Calibration	2	
0002-0011.BIAS	0	02:09	13:29:52.4	+47:11:41	300	85	3.0	0 Calibration	4	
0012-0021.FLAT	4	02:12	13:29:52.4	+47:11:41	300	85	3.0	0 Calibration	4	
0022-0031.BIAS	0	02:13	13:29:52.4	+47:11:41	300	85	3.0	0 Calibration	2	
0032-0046.FLAT	7	02:18	13:29:52.4	+47:11:41	300	85	3.0	0 Calibration	2	
0047.HD84937	30	02:43	09:48:56.1	+13:44:39	300	85	3.0	#56 Spectropho	2	
0048.COMP	10	02:43	09:48:56.1	+13:44:39	300	85	3.0	0 Calibration	2	
0049.Feige34	180	02:50	10:39:36.7	+43:06:09	300	85	3.0	#56 Spectropho	2	
0050.COMP	10	02:53	10:39:36.7	+43:06:09	300	85	3.0	0 Calibration	2	
0051.BGGem	300	03:00	06:03:31.0	+27:41:50	300	82	3.0	#12 Symbiotic	2	
0052.COMP	10	03:06	06:03:31.0	+27:41:50	300	82	3.0	0 Calibration	2	
0053.BXMon	15	03:10	07:25:23.0	-03:35:51	300	87	3.0	#12 Symbiotic	2	
0054.COMP	10	03:10	07:25:23.0	-03:35:51	300	87	3.0	0 Calibration	2	
0055.BXMon	180	03:11	07:25:23.0	-03:35:51	300	87	3.0	#12 Symbiotic	2	
0056.COMP	10	03:15	07:25:23.0	-03:35:51	300	87	3.0	0 Calibration	2	
0057.SS129	300	03:19	07:32:45.0	-26:49:16	300	87	3.0	#12 Symbiotic	2	
0058.COMP	10	03:25	07:32:45.0	-26:49:16	300	84	3.0	0 Calibration	2	
0059.SS129	300	03:26	07:32:45.0	-26:49:16	300	84	3.0	#12 Symbiotic	2	
0060.COMP	10	03:32	07:32:45.0	-26:49:16	300	85	3.0	0 Calibration	2	
0061.sn2019np	1800	03:42	10:29:22.0	+29:30:38	300	85	3.0	#2 SN Observat	2	

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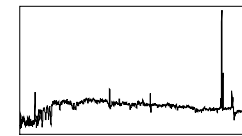
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.COMP	10	04:12	10:29:22.0	+29:30:38	300	84	3.0	0 Calibration	2	
0063.sn2019np	1800	04:14	10:29:22.0	+29:30:38	300	84	3.0	#2 SN Observat	2	
0064.COMP	10	04:45	10:29:22.0	+29:30:38	300	87	3.0	0 Calibration	2	
0065.M97	60	04:55	11:14:47.5	+55:01:14	300	87	3.0	#2 SN Observat	2	
0066.COMP	10	05:07	12:30:49.4	+12:23:28	300	87	3.0	0 Calibration	2	
0067.M87	180	05:08	12:30:49.4	+12:23:28	300	87	3.0	#2 SN Observat	2	
0068.COMP	10	05:11	12:30:49.4	+12:23:28	300	87	3.0	0 Calibration	2	
0069.3c274	300	05:16	12:29:06.7	+02:03:09	300	87	3.0	#2 SN Observat	2	
0070.COMP	10	05:21	12:29:06.7	+02:03:09	300	87	3.0	0 Calibration	2	
0071.sn2018hna	1800	05:28	12:26:12.1	+58:18:51	300	84	3.0	#2 SN Observat	2	
0072.COMP	10	05:58	12:26:12.1	+58:18:51	300	87	3.0	0 Calibration	2	
0073.sn2018hna	1800	06:00	12:26:12.1	+58:18:51	300	87	3.0	#2 SN Observat	2	
0074.COMP	10	06:31	12:26:12.1	+58:18:51	300	87	3.0	0 Calibration	2	
0075.TXCVn	10	06:36	12:44:42.0	+36:45:48	300	87	3.0	#12 Symbiotic	2	
0076.COMP	10	06:36	12:44:42.0	+36:45:48	300	87	3.0	0 Calibration	2	
0077.TXCVn	30	06:37	12:44:42.0	+36:45:48	300	87	3.0	#12 Symbiotic	2	
0078.COMP	10	06:38	12:44:42.0	+36:45:48	300	87	3.0	0 Calibration	2	
0079.snAT2019bpc	1800	06:52	12:34:43.5	+46:57:33	300	86	3.0	#2 SN Observat	2	
0080.COMP	10	07:23	12:34:43.5	+46:57:33	300	86	3.0	0 Calibration	2	
0081.sn2019va	1800	07:32	13:35:14.7	+44:45:59	300	86	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0082.COMP	10	08:02	13:35:14.7	+44:45:59	300	86	3.0	0 Calibration	2	
0083.sn2019yz	1800	08:11	15:41:57.3	+00:42:39	300	86	3.0	#2 SN Observat	2	
0084.COMP	10	08:41	15:41:57.3	+00:42:39	300	87	3.0	0 Calibration	2	
0085.sn2019yz	1800	08:45	15:41:57.3	+00:42:39	300	87	3.0	#2 SN Observat	2	
0086.COMP	10	09:16	15:41:57.3	+00:42:39	300	88	3.0	0 Calibration	2	
0087.snAT2019cni	1800	09:34	17:27:50.2	+23:52:48	300	88	3.0	#2 SN Observat	2	
0088.COMP	10	10:05	17:27:50.2	+23:52:48	300	84	3.0	0 Calibration	2	
0089.TCrB	15	10:17	15:59:30.0	+25:55:12	300	84	3.0	#12 Symbiotic	2	
0090.COMP	10	10:18	15:59:30.0	+25:55:12	300	84	3.0	0 Calibration	2	
0091.TCrB	60	10:18	15:59:30.0	+25:55:12	300	84	3.0	#12 Symbiotic	2	
0092.COMP	10	10:20	15:59:30.0	+25:55:12	300	84	3.0	0 Calibration	2	
0093.AGDra	2	10:25	16:01:41.0	+66:48:10	300	84	3.0	#12 Symbiotic	2	
0094.COMP	10	10:25	16:01:41.0	+66:48:10	300	84	3.0	0 Calibration	2	
0095.AGDra	15	10:26	16:01:41.0	+66:48:10	300	84	3.0	#12 Symbiotic	2	
0096.COMP	10	10:26	16:01:41.0	+66:48:10	300	84	3.0	0 Calibration	2	
0097.AGDra	60	10:27	16:01:41.0	+66:48:10	300	84	3.0	#12 Symbiotic	2	
0098.COMP	10	10:28	16:01:41.0	+66:48:10	300	84	3.0	0 Calibration	2	
0099.snAT2019asy	1800	10:47	17:47:05.8	-13:31:42	300	84	3.0	#2 SN Observat	2	
0100.COMP	10	11:17	17:47:05.8	-13:31:42	300	84	3.0	0 Calibration	2	

UT Date 2019-04-08 Observers M. Foley; P. ChallisColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	02:50	17:47:05.8	-13:31:42	300	87	3.0	0 Calibration	2	
0002-0011.BIAS	0	02:51	17:47:05.8	-13:31:42	300	87	3.0	0 Calibration	4	
0012-0021.FLAT	4	02:53	17:47:05.8	-13:31:42	300	87	3.0	0 Calibration	4	
0022-0031.BIAS	0	02:55	17:47:05.8	-13:31:42	300	87	3.0	0 Calibration	2	
0032-0046.FLAT	7	03:00	17:47:05.8	-13:31:42	300	87	3.0	0 Calibration	2	
0047.HD84937	30	03:10	09:48:56.1	+13:44:39	300	87	3.0	#56 Spectropho	2	
0048.COMP	10	03:11	09:48:56.1	+13:44:39	300	87	3.0	0 Calibration	2	
0049.Feige34	180	03:15	10:39:36.7	+43:06:09	300	87	3.0	#56 Spectropho	2	
0050.COMP	10	03:19	10:39:36.7	+43:06:09	300	87	3.0	0 Calibration	2	
0051.sn2019np	1800	03:28	10:29:22.0	+29:30:38	300	83	3.0	#2 SN Observat	2	
0052.COMP	10	03:59	10:29:22.0	+29:30:38	300	85	3.0	0 Calibration	2	
0053.sn2019np	1800	04:10	10:29:22.0	+29:30:38	300	85	3.0	#2 SN Observat	2	
0054.COMP	10	04:41	10:29:22.0	+29:30:38	300	87	3.0	0 Calibration	2	
0055.snAT2019caj	1800	04:51	11:07:17.8	+08:04:38	300	87	3.0	#2 SN Observat	2	
0056.COMP	10	05:22	11:07:17.8	+08:04:38	300	87	3.0	0 Calibration	2	
0057.sn2019bka	1800	05:36	11:44:25.8	+19:42:48	300	87	3.0	#2 SN Observat	2	
0058.COMP	10	06:07	11:44:25.8	+19:42:48	300	87	3.0	0 Calibration	2	
0059.sn2019bka	1800	06:09	11:44:25.8	+19:42:48	300	87	3.0	#2 SN Observat	2	
0060.COMP	10	06:39	11:44:25.8	+19:42:48	300	88	3.0	0 Calibration	2	
0061.snAT2019bpc	1800	06:57	12:34:43.5	+46:57:33	300	88	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0062.COMP	10	07:29	12:34:43.5	+46:57:33	300	80	3.0	0 Calibration	2	
0063.pallas	2	07:33	13:56:45.0	+17:40:24	300	80	3.0	#2 SN Observat	2	
0064.pallas	10	07:34	13:56:45.0	+17:40:24	300	80	3.0	#2 SN Observat	2	
0065.COMP	10	07:34	13:56:45.0	+17:40:24	300	80	3.0	0 Calibration	2	
0066.pallas	30	07:35	13:56:45.0	+17:40:24	300	80	3.0	#2 SN Observat	2	
0067.COMP	10	07:36	13:56:45.0	+17:40:24	300	80	3.0	0 Calibration	2	
0068.sn2019va	1800	07:45	13:35:14.7	+44:45:59	300	80	3.0	#2 SN Observat	2	
0069.COMP	10	08:16	13:35:14.7	+44:45:59	300	80	3.0	0 Calibration	2	
0070.sn2019bzd	1800	08:26	14:47:32.1	-19:45:58	300	80	3.0	#2 SN Observat	2	
0071.COMP	10	08:56	14:47:32.1	-19:45:58	300	88	3.0	0 Calibration	2	
0072.snATLAS19esm	600	09:07	16:30:54.0	+46:35:18	300	88	3.0	#2 SN Observat	2	
0073.COMP	10	09:19	16:30:54.0	+46:35:18	300	86	3.0	0 Calibration	2	
0074.snATLAS19esm	1800	09:20	16:30:54.0	+46:35:18	300	86	3.0	#2 SN Observat	2	
0075.COMP	10	09:50	16:30:54.0	+46:35:18	300	84	3.0	0 Calibration	2	
0076.snATLAS19esm	1800	09:53	16:30:54.0	+46:35:18	300	84	3.0	#2 SN Observat	2	
0077.COMP	10	10:23	16:30:54.0	+46:35:18	300	88	3.0	0 Calibration	2	
0078.sn2019yz	1800	10:31	15:41:57.3	+00:42:39	300	87	3.0	#2 SN Observat	2	
0079.COMP	10	11:02	15:41:57.3	+00:42:39	300	87	3.0	0 Calibration	2	
0080.snOphiucus	180	11:05	16:25:35.1	-23:25:59	300	87	3.0	#2 SN Observat	2	
0081.COMP	10	11:10	16:25:35.1	-23:25:59	300	87	3.0	0 Calibration	2	

UT Date 2019-04-08 Observers M. Foley; P. ChallisColl. Focus 1290 Grating/Grism 300

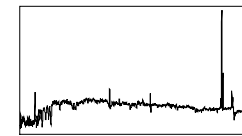
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0082.sn0phiucus	600	11:13	16:24:03.6	-23:24:32	300	87	3.0	#2 SN Observat	2	
0083.COMP	10	11:23	16:24:03.6	-23:24:32	300	87	3.0	0 Calibration	2	
0084.M57	60	11:27	18:53:35.2	+33:01:43	300	87	3.0	#2 SN Observat	2	
0085.COMP	10	11:28	18:53:35.2	+33:01:43	300	87	3.0	0 Calibration	2	

UT Date 2019-04-09 Observers M CalkinsColl. Focus 1290 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	01:28	04:45:42.2	+31:30:39	300	87	3.0	0 Calibration	4	
0011-0020.BIAS	0	01:45	04:45:42.2	+31:30:39	300	87	3.0	0 Calibration	4	
0021.FLAT	12	02:12	04:45:42.2	+31:30:39	600	87	1.5	0 Calibration	4	counts a bit low, incr exp time
0022-0030.FLAT	12	02:14	04:45:42.2	+31:30:39	600	87	1.5	0 Calibration	4	
0031-0040.FLAT	15	02:21	04:45:42.2	+31:30:39	600	87	1.5	0 Calibration	4	
0041.Feige34	210	02:43	10:39:36.7	+43:06:09	600	87	1.5	#56 Spectropho	4	cirrus all over
0042.COMP	10	02:47	10:39:36.7	+43:06:09	600	86	1.5	0 Calibration	4	
0043.j0718p37	1800	03:13	07:18:16.4	+37:31:39	600	87	1.5	#178 Low Mass	4	clearing
0044.COMP	10	03:44	07:18:16.4	+37:31:39	600	87	1.5	0 Calibration	4	
0045.j0752p47	2100	03:47	07:52:43.0	+47:57:39	600	87	1.5	#178 Low Mass	4	
0046.COMP	10	04:23	07:52:43.0	+47:57:39	600	86	1.5	0 Calibration	4	
0047.j0906p24	2000	04:30	09:06:37.7	+24:40:02	600	86	1.5	#178 Low Mass	4	
0048.COMP	10	05:04	09:06:37.7	+24:40:02	600	87	1.5	0 Calibration	4	
0049.j0912p25	1800	05:06	09:12:16.5	+25:38:21	600	87	1.5	#178 Low Mass	4	
0050.COMP	10	05:37	09:12:16.5	+25:38:21	600	87	1.5	0 Calibration	4	
0051.j0937p28	602	05:38	09:37:44.5	+28:54:40	600	87	1.5	#178 Low Mass	4	
0052.COMP	10	05:49	09:37:44.5	+28:54:40	600	87	1.5	0 Calibration	4	
0053.j0950p36	2100	05:51	09:50:47.8	+36:40:03	600	87	1.5	#178 Low Mass	4	
0054.COMP	10	06:27	09:50:47.8	+36:40:03	600	87	1.5	0 Calibration	4	
0055.j1010p18	1200	06:30	10:10:53.5	+18:11:49	600	87	1.5	#178 Low Mass	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0056.COMP	10	06:50	10:10:53.5	+18:11:49	600	88	1.5	0 Calibration	4	
0057.Feige34	720	06:53	10:39:36.7	+43:06:09	600	86	1.5	#56 Spectropho	4	
0058.COMP	5	07:05	10:39:36.7	+43:06:09	600	87	1.5	0 Calibration	4	
0059.HIP60305	20	07:13	12:21:56.3	+47:10:56	1200	88	1.5	#231 Non-inter	2	
0060.COMP	60	07:14	12:21:56.3	+47:10:56	1200	88	1.5	0 Calibration	2	
0061.COMP	30	07:17	12:21:56.3	+47:10:56	1200	88	1.5	0 Calibration	2	
0062.COMP	10	07:18	12:21:56.3	+47:10:56	1200	88	1.5	0 Calibration	2	
0063.2M12201387p1533262	420	07:21	12:20:13.9	+15:33:26	1200	88	1.5	#231 Non-inter	2	cirrus passing thru
0064.COMP	60	07:28	12:20:13.9	+15:33:26	1200	88	1.5	0 Calibration	2	
0065.COMP	30	07:30	12:20:13.9	+15:33:26	1200	88	1.5	0 Calibration	2	
0066.COMP	10	07:31	12:20:13.9	+15:33:26	1200	88	1.5	0 Calibration	2	
0067.2M14014493p5326119	1200	07:34	14:01:44.9	+53:26:12	1200	88	1.5	#231 Non-inter	2	
0068.COMP	60	07:57	14:01:44.9	+53:26:12	1200	88	1.5	0 Calibration	2	
0069.COMP	30	07:59	14:01:44.9	+53:26:12	1200	88	1.5	0 Calibration	2	
0070.COMP	10	08:01	14:01:44.9	+53:26:12	1200	87	1.5	0 Calibration	2	
0071.2M09432436p3901385	1200	08:04	09:43:24.4	+39:01:39	1200	87	1.5	#231 Non-inter	2	
0072.COMP	60	08:24	09:43:24.4	+39:01:39	1200	88	1.5	0 Calibration	2	
0073.COMP	30	08:26	09:43:24.4	+39:01:39	1200	88	1.5	0 Calibration	2	
0074.COMP	10	08:27	09:43:24.4	+39:01:39	1200	88	1.5	0 Calibration	2	
0075.2M16111737p2212522	660	08:29	16:11:17.4	+22:12:52	1200	76	1.5	#231 Non-inter	2	

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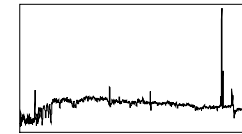
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0076.COMP	60	08:41	16:11:17.4	+22:12:52	1200	77	1.5	0 Calibration	2	
0077.COMP	30	08:43	16:11:17.4	+22:12:52	1200	77	1.5	0 Calibration	2	
0078.COMP	10	08:44	16:11:17.4	+22:12:52	1200	77	1.5	0 Calibration	2	
0079.2M17163356p4225132	1200	08:47	17:16:33.6	+42:25:13	1200	90	1.5	#231 Non-inter	2	
0080.COMP	60	09:07	17:16:33.6	+42:25:13	1200	90	1.5	0 Calibration	2	
0081.COMP	30	09:10	17:16:33.6	+42:25:13	1200	90	1.5	0 Calibration	2	
0082.COMP	10	09:11	17:16:33.6	+42:25:13	1200	90	1.5	0 Calibration	2	
0083.2M17190143p2213021	1600	09:14	17:19:01.4	+22:13:02	1200	90	1.5	#231 Non-inter	2	
0084.COMP	60	09:41	17:19:01.4	+22:13:02	1200	90	1.5	0 Calibration	2	
0085.COMP	30	09:43	17:19:01.4	+22:13:02	1200	90	1.5	0 Calibration	2	
0086.COMP	10	09:44	17:19:01.4	+22:13:02	1200	90	1.5	0 Calibration	2	
0087.2M17211346p5505267	1800	09:46	17:21:13.5	+55:05:27	1200	90	1.5	#231 Non-inter	2	
0088.COMP	60	10:17	17:21:13.5	+55:05:27	1200	90	1.5	0 Calibration	2	
0089.COMP	30	10:19	17:21:13.5	+55:05:27	1200	90	1.5	0 Calibration	2	
0090.COMP	10	10:20	17:21:13.5	+55:05:27	1200	90	1.5	0 Calibration	2	
0091-0100.FLAT	60	10:37	17:21:13.5	+55:05:27	1200	90	1.5	0 Calibration	2	
0101.COMP	10	10:42	17:21:13.5	+55:05:27	300	90	3.0	0 Calibration	2	
0102.BRUTUS8582_7	2100	10:46	14:57:36.4	+12:34:31	300	90	3.0	#220 ASASSN Tr	2	
0103.COMP	10	11:23	14:57:36.4	+12:34:31	300	89	3.0	0 Calibration	2	
0104.BDp262606	120	11:26	14:49:02.4	+25:42:09	300	89	3.0	#56 Spectropho	2	

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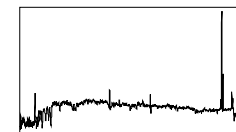
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0105.COMP	10	11:29	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0106.BDp332642	150	11:31	15:51:59.9	+32:56:54	300	89	3.0	#56 Spectropho	2	
0107.COMP	10	11:36	15:51:59.9	+32:56:54	300	89	3.0	0 Calibration	2	
0108.JS028664	1200	11:38	15:00:45.4	+49:58:57	300	89	3.0	232 Missing SD	2	
0109.COMP	10	11:59	15:00:45.4	+49:58:57	300	90	3.0	0 Calibration	2	
0110.AS210	5	12:02	16:51:20.3	-26:00:33	300	90	3.0	#12 Symbiotic	2	
0111.AS210	300	12:03	16:51:20.3	-26:00:33	300	90	3.0	#12 Symbiotic	2	
0112.COMP	10	12:08	16:51:20.3	-26:00:33	300	89	3.0	0 Calibration	2	
0113-0122.BIAS	0	12:12	16:51:20.3	-26:00:33	300	89	3.0	0 Calibration	2	
0123-0132.FLAT	9	12:16	16:51:20.3	-26:00:33	300	89	3.0	0 Calibration	2	
0133-0142.DARK	900	14:40	16:51:20.3	-26:00:33	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
0001-0009.DARK	900	02:15	05:32:11.2	+31:30:36	300	88	3.0	0 Calibration	4	
0010-0019.BIAS	0	02:31	05:32:11.2	+31:30:36	300	88	3.0	0 Calibration	4	
0020-0039.FLAT	9	02:44	05:32:11.2	+31:30:36	300	88	3.0	0 Calibration	2	
0040-0050.BIAS	0	02:48	05:32:11.2	+31:30:36	300	88	3.0	0 Calibration	2	
0051.HD84937	30	02:57	09:48:56.1	+13:44:39	300	88	3.0	#56 Spectropho	2	
0052.COMP	10	02:58	09:48:56.1	+13:44:39	300	88	3.0	0 Calibration	2	
0053.Feige34	180	03:00	10:39:36.7	+43:06:09	300	88	3.0	#56 Spectropho	2	
0054.COMP	10	03:04	10:39:36.7	+43:06:09	300	84	3.0	0 Calibration	2	
0055.JS133028	1800	03:06	08:41:58.1	+24:02:10	300	91	3.0	232 Missing SD	2	
0056.COMP	10	03:37	08:41:58.1	+24:02:10	300	91	3.0	0 Calibration	2	
0057.JS153569	1800	03:38	08:43:54.9	+24:12:38	300	91	3.0	232 Missing SD	2	
0058.COMP	10	04:08	08:43:54.9	+24:12:38	300	91	3.0	0 Calibration	2	
0059.JS147034	1500	04:11	08:45:45.0	+28:18:33	300	91	3.0	232 Missing SD	2	
0060.COMP	10	04:36	08:45:45.0	+28:18:33	300	90	3.0	0 Calibration	2	
0061.JS144460	1500	04:39	08:45:46.7	+21:10:51	300	90	3.0	232 Missing SD	2	
0062.COMP	10	05:05	08:45:46.7	+21:10:51	300	90	3.0	0 Calibration	2	
0063.JS155585	1200	05:08	08:47:26.2	+35:28:16	300	90	3.0	232 Missing SD	2	
0064.COMP	10	05:29	08:47:26.2	+35:28:16	300	90	3.0	0 Calibration	2	
0065.JS059774	1200	05:31	08:48:29.4	+14:34:45	300	90	3.0	232 Missing SD	2	
0066.COMP	10	05:52	08:48:29.4	+14:34:45	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
0067.JS023763	420	05:53	08:49:52.1	+22:25:00	300	89	3.0	232 Missing SD	2	
0068.COMP	10	06:01	08:49:52.1	+22:25:00	300	90	3.0	0 Calibration	2	
0069.JS125510	1500	06:03	08:50:37.6	+50:01:38	300	90	3.0	232 Missing SD	2	
0070.COMP	10	06:28	08:50:37.6	+50:01:38	300	89	3.0	0 Calibration	2	
0071.JS027324	2100	06:30	09:04:25.4	+51:43:01	300	90	3.0	232 Missing SD	2	
0072.COMP	10	07:05	09:04:25.4	+51:43:01	300	89	3.0	0 Calibration	2	
0073.JS050575	300	07:07	11:54:50.0	+22:06:55	300	89	3.0	232 Missing SD	2	
0074.COMP	10	07:13	11:54:50.0	+22:06:55	300	89	3.0	0 Calibration	2	
0075.JS050575	600	07:14	11:54:50.0	+22:06:55	300	89	3.0	232 Missing SD	2	
0076.COMP	10	07:24	11:54:50.0	+22:06:55	300	89	3.0	0 Calibration	2	
0077.JS068961	720	07:27	11:56:07.2	+02:05:11	300	89	3.0	232 Missing SD	2	
0078.COMP	10	07:40	11:56:07.2	+02:05:11	300	89	3.0	0 Calibration	2	
0079.JS008544	1200	07:42	12:05:01.0	+54:04:05	300	89	3.0	232 Missing SD	2	
0080.COMP	10	08:03	12:05:01.0	+54:04:05	300	88	3.0	0 Calibration	2	
0081.JS008544	420	08:05	12:05:01.0	+54:04:05	300	88	3.0	232 Missing SD	2	
0082.COMP	10	08:12	12:05:01.0	+54:04:05	300	88	3.0	0 Calibration	2	
0083.JS046177	1800	08:14	12:05:26.5	+51:20:23	300	88	3.0	232 Missing SD	2	
0084.COMP	10	08:45	12:05:26.5	+51:20:23	300	87	3.0	0 Calibration	2	
0085.JS075803	1800	08:47	12:17:09.9	+40:09:12	300	87	3.0	232 Missing SD	2	
0086.COMP	10	09:17	12:17:09.9	+40:09:12	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
0087.JS022742	1800	09:20	14:08:57.6	+53:17:06	300	89	3.0	232 Missing SD	2	
0088.COMP	10	09:50	14:08:57.6	+53:17:06	300	89	3.0	0 Calibration	2	
0089.JS042796	1800	09:54	14:09:02.2	+54:33:22	300	89	3.0	232 Missing SD	2	
0090.COMP	10	10:25	14:09:02.2	+54:33:22	300	89	3.0	0 Calibration	2	
0091.RWHya	2	10:28	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0092.RWHya	15	10:29	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0093.RWHya	30	10:29	13:34:18.0	-25:22:51	300	89	3.0	#12 Symbiotic	2	
0094.COMP	10	10:30	13:34:18.0	-25:22:51	300	89	3.0	0 Calibration	2	
0095.Hen1341	1	10:42	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0096.Hen1341	15	10:42	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0097.Hen1341	30	10:42	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0098.Hen1341	90	10:43	17:08:36.0	-17:26:30	300	89	3.0	#12 Symbiotic	2	
0099.COMP	10	10:45	17:08:36.0	-17:26:30	300	89	3.0	0 Calibration	2	
0100.DracoC1	1200	10:50	17:19:58.0	+57:50:06	300	89	3.0	#12 Symbiotic	2	
0101.COMP	5	11:12	17:19:58.0	+57:50:06	300	89	3.0	0 Calibration	2	
0102.RSOph	15	11:14	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0103.RSOph	90	11:15	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0104.RSOph	180	11:17	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0105.COMP	10	11:22	17:50:13.0	-06:42:30	300	88	3.0	0 Calibration	2	
0106.AS270	90	11:26	18:05:33.7	-20:20:38	300	88	3.0	#12 Symbiotic	2	

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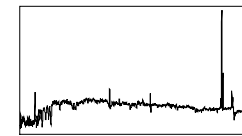
<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0107.AS270	420	11:28	18:05:33.7	-20:20:38	300	88	3.0	#12 Symbiotic	2	
0108.COMP	10	11:35	18:05:33.7	-20:20:38	300	88	3.0	0 Calibration	2	
0109.AS281	90	11:38	18:10:44.0	-27:57:51	300	88	3.0	#12 Symbiotic	2	
0110.AS281	480	11:40	18:10:44.0	-27:57:51	300	88	3.0	#12 Symbiotic	2	
0111.COMP	10	11:49	18:10:44.0	-27:57:51	300	88	3.0	0 Calibration	2	
0112.AS289	25	11:52	18:12:22.0	-11:40:08	300	88	3.0	#12 Symbiotic	2	
0113.AS289	720	11:52	18:12:22.0	-11:40:08	300	88	3.0	#12 Symbiotic	2	
0114.COMP	10	12:05	18:12:22.0	-11:40:08	300	89	3.0	0 Calibration	2	
0115.YYHer	20	12:08	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0116.YYHer	90	12:09	18:14:34.0	+20:59:19	300	89	3.0	#12 Symbiotic	2	
0117.COMP	10	12:11	18:14:34.0	+20:59:19	300	89	3.0	0 Calibration	2	
0118-0127.BIAS	0	12:20	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0139-0158.FLAT	7	12:33	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0159-0167.DARK	900	14:37	14:49:02.4	+25:42:09	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
0001-0007.DARK	900	02:07	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0008-0020.BIAS	0	02:32	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0021-0040.FLAT	7	02:38	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	2	
0041-0050.BIAS	0	02:39	14:49:02.4	+25:42:09	300	89	3.0	0 Calibration	4	
0051.HD84937	30	02:49	09:48:56.1	+13:44:39	300	89	3.0	#56 Spectropho	2	
0052.COMP	10	02:50	09:48:56.1	+13:44:39	300	89	3.0	0 Calibration	2	
0053.Feige34	180	02:52	10:39:36.7	+43:06:09	300	89	3.0	#56 Spectropho	2	
0054.COMP	10	02:55	10:39:36.7	+43:06:09	300	85	3.0	0 Calibration	2	
0055.JS149304	1800	02:57	09:04:43.3	+33:06:53	300	89	3.0	232 Missing SD	2	
0056.COMP	10	03:28	09:04:43.3	+33:06:53	300	90	3.0	0 Calibration	2	
0057.JS072299	2100	03:29	09:04:50.5	+42:15:20	300	90	3.0	232 Missing SD	2	
0058.COMP	10	04:05	09:04:50.5	+42:15:20	300	89	3.0	0 Calibration	2	
0059.JS108027	900	04:07	09:07:57.8	+49:36:04	300	89	3.0	232 Missing SD	2	
0060.COMP	10	04:23	09:07:57.8	+49:36:04	300	88	3.0	0 Calibration	2	
0061.JS070743	2100	04:30	09:09:08.5	+56:30:19	300	88	3.0	232 Missing SD	2	
0062.COMP	10	05:06	09:09:08.5	+56:30:19	300	89	3.0	0 Calibration	2	
0063.JS037657	1800	05:08	09:09:37.3	+14:30:34	300	89	3.0	232 Missing SD	2	
0064.COMP	10	05:38	09:09:37.3	+14:30:34	300	89	3.0	0 Calibration	2	
0065.JS002321	1500	05:40	09:10:31.5	+03:53:15	300	89	3.0	232 Missing SD	2	
0066.COMP	10	06:06	09:10:31.5	+03:53:15	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
0067.JS060215	1500	06:09	11:22:11.8	+38:00:38	300	89	3.0	232 Missing SD	2	
0068.COMP	10	06:34	11:22:11.8	+38:00:38	300	89	3.0	0 Calibration	2	
0069.JS150360	1200	06:37	11:22:26.3	+24:17:45	300	89	3.0	232 Missing SD	2	
0070.COMP	10	06:57	11:22:26.3	+24:17:45	300	88	3.0	0 Calibration	2	
0071.JS045933	1800	06:59	11:27:27.8	+17:08:22	300	88	3.0	232 Missing SD	2	
0072.COMP	10	07:36	11:27:27.8	+17:08:22	300	89	3.0	0 Calibration	2	
0073.JS020285	900	07:37	11:29:08.7	+07:53:00	300	89	3.0	232 Missing SD	2	
0074.COMP	10	07:53	11:29:08.7	+07:53:00	300	89	3.0	0 Calibration	2	
0075.JS020286	900	07:54	11:29:09.3	+07:52:53	300	89	3.0	232 Missing SD	2	
0076.COMP	10	08:10	11:29:09.3	+07:52:53	300	89	3.0	0 Calibration	2	
0077.JS014458	900	08:13	11:29:17.5	+35:34:31	300	21	3.0	232 Missing SD	2	
0078.COMP	10	08:28	11:29:17.5	+35:34:31	300	20	3.0	0 Calibration	2	
0079.JS106625	1200	08:34	14:01:38.8	+51:59:52	300	89	3.0	232 Missing SD	2	
0080.COMP	10	08:55	14:01:38.8	+51:59:52	300	90	3.0	0 Calibration	2	
0081.JS066677	780	08:58	14:01:55.9	+32:27:30	300	88	3.0	232 Missing SD	2	
0082.COMP	10	09:11	14:01:55.9	+32:27:30	300	88	3.0	0 Calibration	2	
0083.BDp262606	24	09:15	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	
0084.COMP	10	09:16	14:49:02.4	+25:42:09	300	88	3.0	0 Calibration	2	
0085.BDp262606	30	09:17	14:49:02.4	+25:42:09	300	88	3.0	#56 Spectropho	2	
0086.COMP	10	09:18	14:49:02.4	+25:42:09	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
0087.BDp332642	120	09:19	15:51:59.9	+32:56:54	300	88	3.0	#56 Spectropho	2	
0088.COMP	10	09:22	15:51:59.9	+32:56:54	300	85	3.0	0 Calibration	2	
0089.BIAS	0	09:44	15:35:53.0	+31:30:40	600	89	1.5	0 Calibration	4	
0090.BDp332642	210	09:47	15:51:59.9	+32:56:54	600	89	1.5	#56 Spectropho	4	
0091.COMP	10	09:51	15:51:59.9	+32:56:54	600	89	1.5	0 Calibration	4	
0092.gaia50	790	09:53	14:19:54.3	+37:40:10	600	89	1.5	#178 Low Mass	4	
0093.COMP	10	10:07	14:19:54.3	+37:40:10	600	89	1.5	0 Calibration	4	
0094.gaia51	200	10:09	14:24:01.5	+20:27:19	600	89	1.5	#178 Low Mass	4	
0095.COMP	10	10:12	14:24:01.5	+20:27:19	600	90	1.5	0 Calibration	4	
0096.j1426p27	527	10:14	14:26:35.3	+27:38:56	600	90	1.5	#178 Low Mass	4	
0097.COMP	10	10:23	14:26:35.3	+27:38:56	600	90	1.5	0 Calibration	4	
0098.gaia52	120	10:25	14:27:54.3	+29:50:52	600	90	1.5	#178 Low Mass	4	
0099.COMP	10	10:27	14:27:54.3	+29:50:52	600	89	1.5	0 Calibration	4	
0100.gaia53	170	10:29	14:43:06.5	+48:05:56	600	89	1.5	#178 Low Mass	4	
0101.COMP	10	10:32	14:43:06.5	+48:05:56	600	90	1.5	0 Calibration	4	
0102.gaia54	170	10:39	14:46:28.6	+21:02:29	600	90	1.5	#178 Low Mass	4	
0103.COMP	10	10:43	14:46:28.6	+21:02:29	600	90	1.5	0 Calibration	4	
0104.gaia55	160	10:44	14:52:19.9	+45:21:08	600	90	1.5	#178 Low Mass	4	
0105.COMP	10	10:48	14:52:19.9	+45:21:08	600	91	1.5	0 Calibration	4	
0106.gaia56	261	10:55	15:06:03.7	+46:27:16	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
0107.COMP	10	11:00	15:06:03.7	+46:27:16	600	90	1.5	0 Calibration	4	
0108.j1506p06	1400	11:03	15:06:26.1	+06:38:45	600	89	1.5	#178 Low Mass	4	
0109.COMP	10	11:27	15:06:26.1	+06:38:45	600	90	1.5	0 Calibration	4	
0110.j1512m09	981	11:29	15:12:39.8	-09:46:18	600	90	1.5	#178 Low Mass	4	
0111.COMP	10	11:47	15:12:39.8	-09:46:18	600	89	1.5	0 Calibration	4	
0112.j1514p01	1555	11:50	15:14:15.9	+01:57:32	600	89	1.5	#178 Low Mass	4	pshed 2 far into twilight
0113.COMP	10	12:16	15:14:15.9	+01:57:32	600	89	1.5	0 Calibration	4	get again
0114-0123.BIAS	0	12:32	15:14:15.9	+01:57:32	600	89	1.5	0 Calibration	4	
0124-0143.FLAT	12	12:40	15:14:15.9	+01:57:32	600	89	1.5	0 Calibration	4	
0144-0153.DARK	900	15:13	15:14:15.9	+01:57:32	300	89	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>
0001-0003.DARK	900	02:18	15:14:15.9	+01:57:32	300	89	3.0	0 Calibration	4	
0004-0013.BIAS	0	02:35	15:14:15.9	+01:57:32	300	89	3.0	0 Calibration	4	
0014-0033.FLAT	7	02:42	15:14:15.9	+01:57:32	300	89	3.0	0 Calibration	2	
0034-0043.BIAS	0	02:44	15:14:15.9	+01:57:32	300	89	3.0	0 Calibration	2	
0044-0050.DARK	900	04:23	15:14:15.9	+01:57:32	300	89	3.0	0 Calibration	4	