

UT Date 2018-12-11 Observers W.BrownColl. Focus 1280 Grating/Grism 600

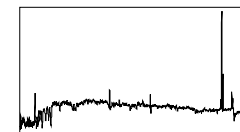
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.COMP	5	23:07	23:19:58.4	-05:09:56	300	90	3.0	0 Calibration	4	set-up
0002.COMP	5	23:09	23:19:58.4	-05:09:56	300	90	3.0	0 Calibration	4	set-up
0003.fastfoc	5	23:14	23:19:58.4	-05:09:56	300	90	3.0	#56 Spectropho	4	x7 focus=1280
0004.fastfoc	5	23:14	23:19:58.4	-05:09:56	300	90	3.0	#56 Spectropho	4	
0005.fastfoc	5	23:14	23:19:58.4	-05:09:56	300	90	3.0	#56 Spectropho	4	
0006.fastfoc	5	23:15	23:19:58.4	-05:09:56	300	90	3.0	#56 Spectropho	4	
0007.fastfoc	5	23:15	23:19:58.4	-05:09:56	300	90	3.0	#56 Spectropho	4	
0008.fastfoc	5	23:15	23:19:58.4	-05:09:56	300	90	3.0	#56 Spectropho	4	
0009.fastfoc	5	23:15	23:19:58.4	-05:09:56	300	90	3.0	#56 Spectropho	4	
0010.BIAS	0	23:18	23:19:58.4	-05:09:56	300	90	3.0	0 Calibration	2	x19
0011-0028.BIAS	0	23:21	23:19:58.4	-05:09:56	300	90	3.0	0 Calibration	2	
0029.FLAT	7	23:22	23:19:58.4	-05:09:56	300	90	3.0	0 Calibration	2	x21
0030-0049.FLAT	7	23:27	23:19:58.4	-05:09:56	300	90	3.0	0 Calibration	2	
0050.DARK	900	23:30	23:19:58.4	-05:09:56	300	90	3.0	0 Calibration	2	x4
0051-0053.DARK	900	00:16	23:19:58.4	-05:09:56	300	90	3.0	0 Calibration	2	
0054.HMSge	10	01:29	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	extreme clouds
0055.HMSge	300	01:30	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0056.COMP	5	01:35	19:41:57.0	+16:44:41	300	90	3.0	0 Calibration	2	
0057.AS360	600	01:36	19:45:49.0	+18:36:49	300	87	3.0	#12 Symbiotic	2	
0058.COMP	10	01:46	19:45:49.0	+18:36:49	300	87	3.0	0 Calibration	2	

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0059.BFCyg	180	01:49	19:23:53.0	+29:40:27	300	87	3.0	#12 Symbiotic	2	increasing exptime by 10x barely enough
0060.COMP	10	01:53	19:23:53.0	+29:40:27	300	87	3.0	0 Calibration	2	
0061.CHCyg	10	01:54	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0062.CHCyg	360	01:54	19:24:33.0	+50:14:30	300	87	3.0	#12 Symbiotic	2	
0063.COMP	10	02:01	19:24:33.0	+50:14:30	300	87	3.0	0 Calibration	2	
0064.CICyg	60	02:08	19:50:12.0	+35:41:02	300	87	3.0	#12 Symbiotic	2	
0065.CICyg	300	02:10	19:50:12.0	+35:41:02	300	87	3.0	#12 Symbiotic	2	
0066.COMP	10	02:15	19:50:12.0	+35:41:02	300	87	3.0	0 Calibration	2	
0067.V1016Cyg	10	02:16	19:57:05.0	+39:49:37	300	87	3.0	#12 Symbiotic	2	
0068.V1016Cyg	360	02:17	19:57:05.0	+39:49:37	300	88	3.0	#12 Symbiotic	2	
0069.COMP	10	02:23	19:57:05.0	+39:49:37	300	88	3.0	0 Calibration	2	
0070.PUVul	10	02:25	20:21:13.0	+21:34:21	300	88	3.0	#12 Symbiotic	2	
0071.PUVul	360	02:25	20:21:13.0	+21:34:21	300	88	3.0	#12 Symbiotic	2	
0072.COMP	10	02:32	20:21:13.0	+21:34:21	300	88	3.0	0 Calibration	2	
0073.V1515Cyg	600	02:34	20:23:48.0	+42:12:24	300	88	3.0	#12 Symbiotic	2	
0074.COMP	10	02:44	20:23:48.0	+42:12:24	300	88	3.0	0 Calibration	2	
0075.V1329Cyg	60	02:45	20:51:01.0	+35:34:55	300	88	3.0	#12 Symbiotic	2	
0076.V1329Cyg	360	02:47	20:51:01.0	+35:34:55	300	88	3.0	#12 Symbiotic	2	
0077.COMP	10	02:53	20:51:01.0	+35:34:55	300	88	3.0	0 Calibration	2	
0078.V1057Cyg	360	02:54	20:58:54.0	+44:15:30	300	88	3.0	#12 Symbiotic	2	

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0079.COMP	10	03:00	20:58:54.0	+44:15:30	300	88	3.0	0 Calibration	2	
0080.AGPeg	1	03:02	21:51:02.0	+12:37:33	300	88	3.0	#12 Symbiotic	2	
0081.AGPeg	10	03:03	21:51:02.0	+12:37:33	300	88	3.0	#12 Symbiotic	2	
0082.AGPeg	100	03:03	21:51:02.0	+12:37:33	300	88	3.0	#12 Symbiotic	2	
0083.COMP	10	03:05	21:51:02.0	+12:37:33	300	88	3.0	0 Calibration	2	
0084.RAqr	1	03:06	23:43:49.0	-15:17:05	300	88	3.0	#12 Symbiotic	2	
0085.RAqr	10	03:07	23:43:49.0	-15:17:05	300	88	3.0	#12 Symbiotic	2	
0086.RAqr	100	03:07	23:43:49.0	-15:17:05	300	88	3.0	#12 Symbiotic	2	
0087.COMP	10	03:09	23:43:49.0	-15:17:05	300	88	3.0	0 Calibration	2	
0088.ZAnd	1	03:13	23:33:40.0	+48:49:06	300	88	3.0	#12 Symbiotic	2	
0089.ZAnd	10	03:13	23:33:40.0	+48:49:06	300	88	3.0	#12 Symbiotic	2	
0090.ZAnd	100	03:13	23:33:40.0	+48:49:06	300	88	3.0	#12 Symbiotic	2	
0091.COMP	10	03:16	23:33:40.0	+48:49:06	300	88	3.0	0 Calibration	2	
0092.EGAnd	1	03:17	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0093.EGAnd	10	03:18	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0094.EGAnd	100	03:18	00:44:37.0	+40:40:47	300	88	3.0	#12 Symbiotic	2	
0095.COMP	10	03:20	00:44:37.0	+40:40:47	300	88	3.0	0 Calibration	2	
0096.AXPer	10	03:21	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0097.AXPer	100	03:22	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	
0098.AXPer	600	03:24	01:36:23.0	+54:15:03	300	88	3.0	#12 Symbiotic	2	

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0099.COMP	10	03:34	01:36:23.0	+54:15:03	300	88	3.0	0 Calibration	2	
0100.GITau	900	03:36	04:33:34.0	+24:21:18	300	88	3.0	#12 Symbiotic	2	
0101.COMP	10	03:51	04:33:34.0	+24:21:18	300	88	3.0	0 Calibration	2	
0102.GKTau	600	03:52	04:33:34.5	+24:21:07	300	88	3.0	#12 Symbiotic	2	
0103.COMP	10	04:04	04:33:34.5	+24:21:07	300	88	3.0	0 Calibration	2	
0104.BGGem	900	04:29	06:03:31.0	+27:41:50	300	88	3.0	#12 Symbiotic	2	
0105.COMP	10	04:44	06:03:31.0	+27:41:50	300	88	3.0	0 Calibration	2	
0106.HD19445	60	04:46	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	NON-photometric
0107.COMP	10	04:48	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0108.HD19445	300	04:49	03:08:25.6	+26:19:51	300	88	3.0	#56 Spectropho	2	heavy clouds
0109.COMP	10	04:55	03:08:25.6	+26:19:51	300	88	3.0	0 Calibration	2	
0110.gaia36	900	05:20	05:00:51.8	-09:30:57	600	89	1.5	#178 Low Mass	4	15 min exp on 10th mag star
0111.COMP	10	05:36	05:00:51.8	-09:30:57	600	88	1.5	0 Calibration	4	
0112.gaia36	900	05:36	05:00:51.8	-09:30:57	600	87	1.5	#178 Low Mass	4	
0113.COMP	10	05:52	05:00:51.8	-09:30:57	600	87	1.5	0 Calibration	4	
0114.gaia36	900	05:53	05:00:51.8	-09:30:57	600	85	1.5	#178 Low Mass	4	
0115.COMP	10	06:08	05:00:51.8	-09:30:57	600	85	1.5	0 Calibration	4	
0116.gaia36	900	06:09	05:00:51.8	-09:30:57	600	85	1.5	#178 Low Mass	4	
0117.COMP	10	06:25	05:00:51.8	-09:30:57	600	85	1.5	0 Calibration	4	stopping
0118.FLAT	12	06:41	05:00:51.8	-09:30:57	600	85	1.5	0 Calibration	4	x22



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0119-0139.FLAT	12	06:48	05:00:51.8	-09:30:57	600	85	1.5	0 Calibration	4	
0140.BIAS	0	06:49	05:00:51.8	-09:30:57	600	85	1.5	0 Calibration	4	x20
0141-0159.BIAS	0	06:50	05:00:51.8	-09:30:57	600	85	1.5	0 Calibration	4	
0160.gaia36	900	08:04	05:00:51.8	-09:30:57	600	87	1.5	#178 Low Mass	4	
0161.COMP	10	08:21	05:00:51.8	-09:30:57	600	87	1.5	0 Calibration	4	
0163.gaia36	1200	08:52	05:00:51.8	-09:30:57	600	85	1.5	#178 Low Mass	4	
0164.COMP	10	09:12	05:00:51.8	-09:30:57	600	87	1.5	0 Calibration	4	deleting 162, 165, 166 no counts
0168-0172.DARK	900	13:43	10:39:36.7	+43:06:09	600	88	1.5	0 Calibration	4	