

UT Date 2019-09-28 Observers WBrownColl. Focus 1310 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.fastfoc	5	22:53	16:01:41.0	+66:48:10	300	90	3.0	#230 Gravitati	4	xfocus
0002.fastfoc	5	22:53	16:01:41.0	+66:48:10	300	90	3.0	#230 Gravitati	4	
0003.fastfoc	5	22:54	16:01:41.0	+66:48:10	300	90	3.0	#230 Gravitati	4	
0004.fastfoc	5	22:54	16:01:41.0	+66:48:10	300	90	3.0	#230 Gravitati	4	
0005.fastfoc	5	22:54	16:01:41.0	+66:48:10	300	90	3.0	#230 Gravitati	4	
0006.fastfoc	5	22:54	16:01:41.0	+66:48:10	300	90	3.0	#230 Gravitati	4	
0007.fastfoc	5	22:55	16:01:41.0	+66:48:10	300	90	3.0	#230 Gravitati	4	
0008.fastfoc	5	22:55	16:01:41.0	+66:48:10	300	90	3.0	#230 Gravitati	4	
0009.BIAS	0	23:14	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	4	x15 binby4
0010-0023.BIAS	0	23:15	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	4	
0024.BIAS	0	23:21	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	x15 binby2
0025-0038.BIAS	0	23:22	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0039.FLAT	7	23:24	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	x15
0040-0053.FLAT	7	23:29	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0054-0059.DARK	900	00:52	16:01:41.0	+66:48:10	300	90	3.0	0 Calibration	2	
0060.HIP93194	1	01:42	18:58:56.6	+32:41:22	300	90	3.0	#57 Velocity S	2	pointing test
0061.BDp404032	180	02:04	20:08:24.1	+41:15:04	300	89	3.0	#56 Spectropho	2	
0062.COMP	10	02:08	20:08:24.1	+41:15:04	300	89	3.0	0 Calibration	2	
0063.TCrB	15	02:12	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	
0064.TCrB	60	02:12	15:59:30.0	+25:55:12	300	89	3.0	#12 Symbiotic	2	

UT Date 2019-09-28 Observers WBrownColl. Focus 1310 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0065.COMP	10	02:13	15:59:30.0	+25:55:12	300	89	3.0	0 Calibration	2	
0066.AGDra	60	02:16	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0067.AGDra	15	02:17	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0068.AGDra	2	02:18	16:01:41.0	+66:48:10	300	89	3.0	#12 Symbiotic	2	
0069.COMP	10	02:18	16:01:41.0	+66:48:10	300	89	3.0	0 Calibration	2	
0070.RSOph	150	02:55	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0071.RSOph	60	02:58	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0072.RSOph	10	02:59	17:50:13.0	-06:42:30	300	89	3.0	#12 Symbiotic	2	
0073.COMP	10	03:00	17:50:13.0	-06:42:30	300	89	3.0	0 Calibration	2	
0074.Hen1591	300	03:02	18:07:32.0	-25:53:43	300	89	3.0	#12 Symbiotic	2	
0075.Hen1591	120	03:07	18:07:32.0	-25:53:43	300	89	3.0	#12 Symbiotic	2	
0076.COMP	10	03:10	18:07:32.0	-25:53:43	300	89	3.0	0 Calibration	2	
0077.AS281	360	03:13	18:10:44.0	-27:57:51	300	89	3.0	#12 Symbiotic	2	
0078.AS281	60	03:19	18:10:44.0	-27:57:51	300	89	3.0	#12 Symbiotic	2	
0079.COMP	10	03:20	18:10:44.0	-27:57:51	300	89	3.0	0 Calibration	2	
0080.AS270	300	03:22	18:05:33.7	-20:20:38	300	89	3.0	#12 Symbiotic	2	
0081.AS270	60	03:31	18:05:33.7	-20:20:38	300	89	3.0	#12 Symbiotic	2	
0082.COMP	10	03:33	18:05:33.7	-20:20:38	300	89	3.0	0 Calibration	2	
0083.AS289	420	04:26	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	
0084.AS289	15	04:33	18:12:22.0	-11:40:08	300	90	3.0	#12 Symbiotic	2	

UT Date 2019-09-28 Observers WBrownColl. Focus 1310 Grating/Grism 600

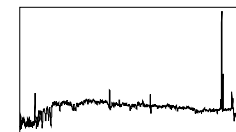
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0085.COMP	10	04:34	18:12:22.0	-11:40:08	300	90	3.0	0 Calibration	2	
0086.V919Sgr	30	04:39	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0087.V919Sgr	15	04:40	19:03:45.0	-16:59:56	300	90	3.0	#12 Symbiotic	2	
0088.COMP	10	04:41	19:03:45.0	-16:59:56	300	90	3.0	0 Calibration	2	
0089.AS338	600	04:44	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0090.AS338	90	04:54	19:03:47.0	+16:26:17	300	90	3.0	#12 Symbiotic	2	
0091.COMP	10	04:56	19:03:47.0	+16:26:17	300	90	3.0	0 Calibration	2	
0092.HMSge	60	04:57	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0093.HMSge	10	04:59	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0094.HMSge	1	04:59	19:41:57.0	+16:44:41	300	90	3.0	#12 Symbiotic	2	
0095.COMP	10	05:00	19:41:57.0	+16:44:41	300	90	3.0	0 Calibration	2	
0096.AS360	300	05:01	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0097.AS360	60	05:06	19:45:49.0	+18:36:49	300	90	3.0	#12 Symbiotic	2	
0098.COMP	10	05:07	19:45:49.0	+18:36:49	300	90	3.0	0 Calibration	2	
0099.BFCyg	15	05:10	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0100.BFCyg	15	05:10	19:23:53.0	+29:40:27	300	90	3.0	#12 Symbiotic	2	
0101.COMP	10	05:11	19:23:53.0	+29:40:27	300	90	3.0	0 Calibration	2	
0102.CICyg	15	05:12	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0103.CICyg	4	05:13	19:50:12.0	+35:41:02	300	90	3.0	#12 Symbiotic	2	
0104.COMP	10	05:13	19:50:12.0	+35:41:02	300	90	3.0	0 Calibration	2	

UT Date 2019-09-28 Observers WBrownColl. Focus 1310 Grating/Grism 600

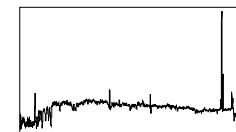
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0105.V1016Cyg	60	05:15	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0106.V1016Cyg	10	05:16	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0107.V1016Cyg	1	05:16	19:57:05.0	+39:49:37	300	90	3.0	#12 Symbiotic	2	
0108.COMP	10	05:17	19:57:05.0	+39:49:37	300	90	3.0	0 Calibration	2	
0109.CHCyg	30	05:19	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0110.CHCyg	5	05:19	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0111.CHCyg	1	05:20	19:24:33.0	+50:14:30	300	90	3.0	#12 Symbiotic	2	
0112.COMP	10	05:20	19:24:33.0	+50:14:30	300	90	3.0	0 Calibration	2	
0113.V1515Cyg	120	05:22	20:23:48.0	+42:12:24	300	90	3.0	#12 Symbiotic	2	
0114.COMP	10	05:25	20:23:48.0	+42:12:24	300	90	3.0	0 Calibration	2	
0115.PUVu1	60	05:26	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0116.PUVu1	10	05:27	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0117.PUVu1	1	05:28	20:21:13.0	+21:34:21	300	90	3.0	#12 Symbiotic	2	
0118.COMP	10	05:28	20:21:13.0	+21:34:21	300	90	3.0	0 Calibration	2	
0119.V1329Cyg	120	05:30	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0120.V1329Cyg	20	05:32	20:51:01.0	+35:34:55	300	90	3.0	#12 Symbiotic	2	
0121.COMP	10	05:33	20:51:01.0	+35:34:55	300	90	3.0	0 Calibration	2	
0122.V1057Cyg	90	05:34	20:58:54.0	+44:15:30	300	90	3.0	#12 Symbiotic	2	
0123.COMP	10	05:36	20:58:54.0	+44:15:30	300	90	3.0	0 Calibration	2	
0124.AGPeg	30	05:38	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	

UT Date 2019-09-28 Observers WBrownColl. Focus 1310 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0125.AGPeg	10	05:39	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0126.AGPeg	1	05:39	21:51:02.0	+12:37:33	300	90	3.0	#12 Symbiotic	2	
0127.COMP	10	05:40	21:51:02.0	+12:37:33	300	90	3.0	0 Calibration	2	
0128.ZAnd	30	05:43	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0129.ZAnd	5	05:43	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0130.ZAnd	1	05:44	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0131.COMP	10	05:44	23:33:40.0	+48:49:06	300	90	3.0	0 Calibration	2	
0132.RAqr	10	05:47	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0133.RAqr	5	05:47	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0134.RAqr	1	05:48	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0135.COMP	10	05:48	23:43:49.0	-15:17:05	300	90	3.0	0 Calibration	2	
0136.EGAnd	10	05:51	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0137.EGAnd	5	05:51	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0138.EGAnd	1	05:51	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0139.COMP	10	05:52	00:44:37.0	+40:40:47	300	90	3.0	0 Calibration	2	
0140.AXPer	90	05:54	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0141.AXPer	30	05:56	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0142.AXPer	4	05:57	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0143.COMP	10	05:57	01:36:23.0	+54:15:03	300	90	3.0	0 Calibration	2	
0144.BDp284211	180	06:03	21:51:11.0	+28:51:50	300	90	1.5	#56 Spectropho	2	slit change

UT Date 2019-09-28 Observers WBrownColl. Focus 1310 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0145.COMP	10	06:07	21:51:11.0	+28:51:50	300	90	1.5	0 Calibration	2	
0146.bb1225	882	06:09	21:11:01.9	+00:14:37	300	90	1.5	#230 Gravitati	2	
0147.COMP	10	06:24	21:11:01.9	+00:14:37	300	90	1.5	0 Calibration	2	
0148.bb1227	780	06:26	21:17:03.7	-05:54:11	300	90	1.5	#230 Gravitati	2	
0149.COMP	10	06:39	21:17:03.7	-05:54:11	300	90	1.5	0 Calibration	2	
0150.bb347	420	06:41	21:35:47.1	-11:37:54	300	90	1.5	#230 Gravitati	2	
0151.COMP	10	06:48	21:35:47.1	-11:37:54	300	90	1.5	0 Calibration	2	
0152.j2224p21	960	06:52	22:24:00.9	+21:58:09	300	90	1.5	#230 Gravitati	2	
0153.COMP	10	07:08	22:24:00.9	+21:58:09	300	90	1.5	0 Calibration	2	
0154.j2248p04	1050	07:10	22:48:23.8	+04:36:39	300	90	1.5	#230 Gravitati	2	
0155.COMP	10	07:28	22:48:23.8	+04:36:39	300	90	1.5	0 Calibration	2	
0156.j2234p14	900	07:30	22:34:19.0	+14:56:54	300	90	1.5	#230 Gravitati	2	
0157.COMP	10	07:46	22:34:19.0	+14:56:54	300	90	1.5	0 Calibration	2	
0158.FLAT	13	07:47	00:50:00.0	+31:00:00	300	90	1.5	0 Calibration	2	x10; 2hr of pointing grid
0159-0167.FLAT	13	07:50	00:50:00.0	+31:00:00	300	90	1.5	0 Calibration	2	
0168.g117	1200	10:09	05:17:25.0	-11:53:26	600	90	1.5	#230 Gravitati	2	
0169.COMP	10	10:29	05:17:25.0	-11:53:26	600	90	1.5	0 Calibration	2	
0170.g117	1200	10:30	05:17:25.0	-11:53:26	600	90	1.5	#230 Gravitati	2	
0171.COMP	10	10:50	05:17:25.0	-11:53:26	600	90	1.5	0 Calibration	2	
0172.g117	1200	10:50	05:17:25.0	-11:53:26	600	90	1.5	#230 Gravitati	2	

UT Date 2019-09-28 Observers WBrownColl. Focus 1310 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0173.COMP	10	11:11	05:17:25.0	-11:53:26	600	90	1.5	0 Calibration	2	
0174.g117	1200	11:11	05:17:25.0	-11:53:26	600	90	1.5	#230 Gravitati	2	
0175.COMP	10	11:32	05:17:25.0	-11:53:26	600	90	1.5	0 Calibration	2	
0176.g117	1200	11:32	05:17:25.0	-11:53:26	600	90	1.5	#230 Gravitati	2	
0177.COMP	10	11:52	05:17:25.0	-11:53:26	600	90	1.5	0 Calibration	2	
0178.g117	1080	11:53	05:17:25.0	-11:53:26	600	90	1.5	#230 Gravitati	2	
0179.COMP	10	12:11	05:17:25.0	-11:53:26	600	90	1.5	0 Calibration	2	
0180.G191B2B	420	12:17	05:05:30.6	+52:49:52	600	90	1.5	#56 Spectropho	2	
0181.COMP	10	12:24	05:05:30.6	+52:49:52	600	90	1.5	0 Calibration	2	
0182.BIAS	0	12:27	05:30:57.3	+31:34:50	600	89	1.5	0 Calibration	2	x10
0183-0191.BIAS	0	12:28	05:30:57.3	+31:34:50	600	89	1.5	0 Calibration	2	
0192.FLAT	24	12:31	05:30:57.3	+31:34:50	600	89	1.5	0 Calibration	2	x10
0193-0201.FLAT	24	12:37	05:30:57.3	+31:34:50	600	89	1.5	0 Calibration	2	
0202.DARK	900	13:12	05:30:57.3	+31:34:50	600	89	1.5	0 Calibration	2	x10
0203-0211.DARK	900	15:28	05:30:57.3	+31:34:50	600	89	1.5	0 Calibration	2	