

UT Date 2002-06-19 Observers R Cho, M HickenColl. Focus 980 Grating/Grism 200

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	22:11	08:49:49.2	31:30:45	300	90	3.0	#89 Herbig Ae/	4	binby4
0002.DARK	900	22:26	09:04:56.3	31:30:46	300	90	3.0	#89 Herbig Ae/	4	
0003.DARK	900	22:41	09:20:06.4	31:30:48	300	90	3.0	#89 Herbig Ae/	4	
0004.DARK	900	22:56	09:35:15.5	31:30:49	300	90	3.0	#89 Herbig Ae/	4	
0005.DARK	900	23:11	09:50:25.6	31:30:51	300	90	3.0	#89 Herbig Ae/	4	
0006.DARK	900	23:26	10:05:35.7	31:30:52	300	90	3.0	#89 Herbig Ae/	4	
0007-0008.DARK	900	23:56	10:35:52.9	31:30:53	300	90	3.0	#89 Herbig Ae/	4	
0009-0010.DARK	900	0:27	11:06:12.2	31:30:55	300	90	3.0	#89 Herbig Ae/	4	
0011.FLAT	8	0:53	11:17:37.3	31:30:56	300	90	3.0	#89 Herbig Ae/	4	300-line, 3 sec slit, combo
0012-0020.FLAT	8	0:55	11:19:49.3	31:30:56	300	90	3.0	#89 Herbig Ae/	4	
0021-0040.BIAS	0	1:02	11:26:41.3	31:30:56	300	90	3.0	#89 Herbig Ae/	4	
0041.FLAT	16	1:04	11:28:41.4	31:30:56	300	90	3.0	#89 Herbig Ae/	2	binby2, 300-line, 3 sec slit, combo
0042-0050.FLAT	16	1:08	11:33:00.4	31:30:56	300	90	3.0	none	2	
0051-0070.BIAS	0	1:13	11:37:28.4	31:30:56	300	90	3.0	none	2	
0071.N4853	180	3:22	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	4	
0072.N4853	180	3:25	12:58:35.1	+27:35:47	300	90	3.0	#57 Velocity S	4	
0073.COMP	120	3:29	12:39:18.9	17:47:24	300	46	3.0	#56 Spectropho	4	
0074.BDp332642	90	3:53	15:50:03	33:05:49	300	93	3.0	#56 Spectropho	2	
0075.COMP	5	3:55	15:50:03	33:05:49	300	93	3.0	#56 Spectropho	2	
0076.sn2002dj	1200	4:06	13:13:00.3	-19:31:08	300	19	3.0	#2 SN Observat	2	

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0077.COMP	5	4:27	13:13:00.3	-19:31:08	300	19	3.0	#2 SN Observat	2	
0078.MRK421	300	4:39	11:04:27.4	+38:12:32	300	78	3.0	#6 AGN Monitor	4	
0079.MRK421	300	4:44	11:04:27.4	+38:12:32	300	78	3.0	#6 AGN Monitor	4	
0080.COMP	40	4:51	11:04:27.4	+38:12:32	300	78	3.0	#6 AGN Monitor	4	
0081.COMP	30	5:01	11:04:27.4	+38:12:32	300	78	3.0	#6 AGN Monitor	4	
0082.N4151	30	5:21	12:10:32.6	+39:24:21	300	92	3.0	#6 AGN Monitor	4	
0083.N4151	30	5:22	12:10:32.6	+39:24:21	300	92	3.0	#6 AGN Monitor	4	
0084.COMP	10	5:26	12:10:32.6	+39:24:21	300	92	3.0	#6 AGN Monitor	4	
0085.N4051	150	5:30	12:03:09.7	+44:31:53	300	92	3.0	#6 AGN Monitor	4	
0086.N4051	150	5:32	12:03:09.7	+44:31:53	300	92	3.0	#6 AGN Monitor	4	
0087.N4051	150	5:35	12:03:09.7	+44:31:53	300	92	3.0	#6 AGN Monitor	4	
0088.COMP	10	5:40	12:03:09.7	+44:31:53	300	92	3.0	#6 AGN Monitor	4	
0089.N5548	150	5:44	14:17:59.6	+25:08:12	300	68	3.0	#6 AGN Monitor	4	
0090.N5548	150	5:47	14:17:59.6	+25:08:12	300	68	3.0	#6 AGN Monitor	4	
0091.COMP	10	5:50	14:17:59.6	+25:08:12	300	68	3.0	#6 AGN Monitor	4	
0092.Feige66	30	5:57	12:34:54.7	25:20:31	300	70	3.0	#56 Spectropho	4	
0093.COMP	10	5:59	12:34:54.7	25:20:31	300	70	3.0	#56 Spectropho	4	
0094.FLAT	40	6:08	16:25:00	31:00:00	200	70	2.0	Halo	4	600-line, 2 sec slit, tilt 430, binby4, PA=90
0095-0103.FLAT	40	6:15	16:25:00	31:00:00	200	70	2.0	Halo	4	
0104.hs1139	1200	6:27	17:20:42.6	30:15:36	200	90	2.0	#122 Halo Star	4	for all halo stars and flats

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0105.COMP	10	6:47	17:20:42.6	30:15:36	200	90	2.0	#122 Halo Star	4	header has incorrect POSANGLE comment
0106.hs1140	1200	6:49	17:23:06.7	30:02:38	200	90	2.0	#122 Halo Star	4	but correct POSANGLE variable
0106.hs1140q.ms	1200	6:49	17:23:06.7	30:02:38	200	90	2.0	#122 Halo Star	1	
0107.COMP	10	7:09	17:23:06.7	30:02:38	200	90	2.0	#122 Halo Star	4	
0108.hs1141	1200	7:14	17:23:08.5	30:30:48	200	90	2.0	#122 Halo Star	4	
0109.COMP	10	7:34	17:23:08.5	30:30:48	200	90	2.0	#122 Halo Star	4	
0110.hs1142	1200	7:36	17:25:14.7	30:10:32	200	90	2.0	#122 Halo Star	4	
0111.COMP	10	7:56	17:25:14.7	30:10:32	200	90	2.0	#122 Halo Star	4	
0112.HD192281	5	8:00	20:10:46.8	40:07:01	200	71	2.0	#56 Spectropho	4	
0113.COMP	10	8:00	20:10:46.8	40:07:01	200	71	2.0	#56 Spectropho	4	
0114-0123.FLAT	40	8:09	20:10:46.8	40:07:01	200	71	2.0	#122 Halo Star	4	
0124.V4641Sgr	1200	8:30	18:19:21.6	-25:24:26	300	7	1.5	#65 X-Ray Nova	2	300-line, 1.5 sec slit, tilt 610, binby2
0125.COMP	10	8:50	18:19:21.6	-25:24:26	300	7	1.5	#65 X-Ray Nova	2	
0126.HD192281	5	8:56	20:10:46.8	40:07:01	300	54	1.5	#56 Spectropho	2	
0127.COMP	10	8:57	20:10:46.8	40:07:01	300	54	1.5	#56 Spectropho	2	
0128-0147.FLAT	30	9:13	20:10:46.8	40:07:01	300	54	1.5	#56 Spectropho	2	
0148.J1901candiC	1800	9:21	19:01:26.9	01:23:04	300	23	1.5	#65 X-Ray Nova	2	
0149.COMP	10	9:52	19:01:26.9	01:23:04	300	23	1.5	#65 X-Ray Nova	2	
0150.sn2002do	1200	10:12	19:56:12.8	+40:26:10	300	-46	3.0	#2 SN Observat	2	
0151.COMP	10	10:33	19:56:12.8	+40:26:10	300	-46	3.0	#2 SN Observat	2	

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0152.sn2002d1	1200	10:38	22:20:53.9	+33:17:33	300	84	3.0	#2 SN Observat	2	
0153.COMP	10	10:58	22:20:53.9	+33:17:33	300	84	3.0	#2 SN Observat	2	
0154.MRK509	300	11:08	20:44:09.8	-10:43:24	300	11	3.0	#6 AGN Monitor	4	
0155.COMP	5	11:14	20:44:09.8	-10:43:24	300	11	3.0	#6 AGN Monitor	4	
0156.CHCyg	2	11:22	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	156, 157, and 158 have same problem as haloes
0157.CHCyg	5	11:22	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	the posangle variable is correct
0158.CHCyg	15	11:22	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	but the comment is wrong
0159.CHCyg	60	11:22	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0160.COMP	5	11:24	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0161.CICyg	2	11:27	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0162.CICyg	5	11:27	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0163.CICyg	15	11:27	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0164.CICyg	60	11:28	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0165.COMP	5	11:30	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0166.ZAnd	2	11:32	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0167.ZAnd	5	11:32	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0168.ZAnd	15	11:32	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0169.ZAnd	60	11:33	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0170.COMP	5	11:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0171.BDp284211	90	11:38	21:48:57.1	28:37:48	300	36	3.0	#56 Spectropho	2	

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0172.COMP	10	11:40	21:48:57.1	28:37:48	300	36	3.0	#56 Spectropho	2	
0173.BIAS	0	12:00	21:48:57.1	28:37:48	300	90	3.0	none	2	binby2
0174-0182.BIAS	0	12:02	21:48:57.1	28:37:48	300	90	3.0	none	2	
0183-0192.FLAT	16	12:07	21:48:57.1	28:37:48	300	90	3.0	none	2	
0193.BIAS	0	12:10	21:48:57.1	28:37:48	300	90	3.0	none	4	binby4
0194-0202.BIAS	0	12:11	21:48:57.1	28:37:48	300	90	3.0	none	4	
0203-0212.FLAT	8	12:14	21:48:57.1	28:37:48	300	90	3.0	none	4	
0213.DARK	1200	12:34	23:20:26.0	31:29:56	300	90	3.0	none	2	binby2
0214.DARK	1200	12:54	23:40:39.8	31:29:56	300	90	3.0	none	2	