

UT Date 2001-11-16 Observers K RinesColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	23:33	20:04:45.0	31:29:57	300	90	3.0	#2 SN Observat	2	binby2
0002.DARK	900	23:33	20:20:02.0	31:29:55	300	90	3.0	#2 SN Observat	2	
0003.DARK	900	23:33	20:35:17.0	31:29:53	300	90	3.0	#2 SN Observat	2	
0004.DARK	900	23:33	20:50:30.0	31:29:51	300	90	3.0	#2 SN Observat	2	
0005.DARK	900	23:33	21:05:46.0	31:29:50	300	90	3.0	#2 SN Observat	2	
0006-0015.BIAS	0	0:55	21:11:42.0	31:29:49	300	90	3.0	#2 SN Observat	2	
0016-0018.FLAT	16	1:01	21:18:08.0	31:29:49	300	90	3.0	#2 SN Observat	2	
0019-0025.FLAT	16	1:04	21:21:32.0	31:29:48	300	90	3.0	#2 SN Observat	2	
0026.BIAS	0	1:04	21:21:54.0	31:29:48	300	90	3.0	#2 SN Observat	4	binby4
0027-0035.BIAS	0	1:06	21:23:08.0	31:29:48	300	90	3.0	#2 SN Observat	4	
0036.FLAT	8	1:06	21:23:30.0	31:29:48	300	90	3.0	#2 SN Observat	4	cirrus
0037-0045.FLAT	8	1:09	21:25:49.0	31:29:48	300	90	3.0	#2 SN Observat	4	
0046.HD192281	5	1:09	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0047.HD192281	5	1:09	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0048.HD192281	5	1:09	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0049.COMP	5	1:09	20:10:46.8	40:07:01	300	90	3.0	#56 Spectropho	4	
0050.id1888	600	1:09	20:05:54.8	35:55:55	300	90	3.0	#115 PMS NGC68	4	
0051.COMP	5	1:09	20:05:54.8	35:55:55	300	90	3.0	#115 PMS NGC68	4	
0052.id1961	600	1:09	20:05:47.5	35:37:46	300	90	3.0	#115 PMS NGC68	4	
0053.COMP	5	1:09	20:05:47.5	35:37:46	300	90	3.0	#115 PMS NGC68	4	

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0054.id2018	800	1:09	20:05:37.7	35:44:07	300	90	3.0	#115 PMS NGC68	4	
0055.COMP	5	1:09	20:05:37.7	35:44:07	300	90	3.0	#115 PMS NGC68	4	
0056.BDp284211	45	1:09	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0057.COMP	5	1:09	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0058.BDp284211	45	1:09	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	binby2
0059.COMP	10	1:09	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0060.id1024	720	1:09	20:07:32.3	35:37:44	300	90	3.0	#115 PMS NGC68	4	binby4
0061.COMP	5	1:09	20:07:32.3	35:37:44	300	90	3.0	#115 PMS NGC68	4	
0062.id1284	720	1:09	20:07:05.8	35:41:17	300	90	3.0	#115 PMS NGC68	4	
0063.COMP	5	1:09	20:07:05.8	35:41:17	300	90	3.0	#115 PMS NGC68	4	
0064.id1483	720	1:09	20:06:43.9	35:46:59	300	90	3.0	#115 PMS NGC68	4	
0065.COMP	5	1:09	20:06:43.9	35:46:59	300	90	3.0	#115 PMS NGC68	4	
0066.id1603	720	1:09	20:06:24.9	35:43:43	300	90	3.0	#115 PMS NGC68	4	
0067.COMP	5	1:09	20:06:24.9	35:43:43	300	90	3.0	#115 PMS NGC68	4	
0068.id1849	720	1:09	20:05:59.0	35:52:20	300	90	3.0	#115 PMS NGC68	4	
0069.COMP	5	1:09	20:05:59.0	35:52:20	300	90	3.0	#115 PMS NGC68	4	
0070.id2367	720	1:09	20:04:42.6	35:49:11	300	90	3.0	#115 PMS NGC68	4	
0071.COMP	5	1:09	20:04:42.6	35:49:11	300	90	3.0	#115 PMS NGC68	4	
0072.2m203856p193750	300	1:09	20:38:56.5	19:37:50	300	90	3.0	#68 2MASS	4	
0073.COMP	5	1:09	20:38:56.5	19:37:50	300	90	3.0	#68 2MASS	4	

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0074.2m204628p105856	300	1:09	20:46:28	10:58:56	300	90	3.0	#68 2MASS Reds	4	
0075.COMP	5	1:09	20:46:28	10:58:56	300	90	3.0	#68 2MASS Reds	4	
0076.2M204714.5m032407	200	1:09	20:47:14.5	-03:24:07	300	90	3.0	#68 2MASS Reds	4	
0077.COMP	5	1:09	20:47:14.5	-03:24:07	300	90	3.0	#68 2MASS Reds	4	
0078.2M205146.4m034711	300	1:09	20:51:46.4	-03:47:11	300	90	3.0	#68 2MASS Reds	4	
0079.COMP	5	1:09	20:51:46.4	-03:47:11	300	90	3.0	#68 2MASS Reds	4	
0080.2M205551.9m034414	200	1:09	20:55:51.9	-03:44:14	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	1:09	20:55:51.9	-03:44:14	300	90	3.0	#68 2MASS Reds	4	
0082.2M205222.4p000432	300	1:09	20:52:22.4	+00:04:32	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	1:09	20:52:22.4	+00:04:32	300	90	3.0	#68 2MASS Reds	4	
0084.2M205255.1p621710	200	1:09	20:52:55.1	+62:17:10	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	1:09	20:52:55.1	+62:17:10	300	90	3.0	#68 2MASS Reds	4	
0086.2M204941.4p635417	200	1:09	20:49:41.4	+63:54:17	300	90	3.0	#68 2MASS Reds	4	
0087.COMP	5	1:09	20:49:41.4	+63:54:17	300	90	3.0	#68 2MASS Reds	4	
0088.2M205140.3p652638	200	1:09	20:51:40.3	+65:26:38	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	1:09	20:51:40.3	+65:26:38	300	90	3.0	#68 2MASS Reds	4	
0090.2M210250.4p633845	500	1:09	21:02:50.4	+63:38:45	300	90	3.0	#68 2MASS Reds	4	
0091.COMP	5	1:09	21:02:50.4	+63:38:45	300	90	3.0	#68 2MASS Reds	4	
0092.2M211309.6p663253	200	1:09	21:13:09.6	+66:32:53	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	1:09	21:13:09.6	+66:32:53	300	90	3.0	#68 2MASS Reds	4	

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0094.2M211315.8p663336	300	1:09	21:13:15.8	+66:33:36	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	1:09	21:13:15.8	+66:33:36	300	90	3.0	#68 2MASS Reds	4	
0096.2M212110.4p821900	300	1:09	21:21:10.4	+82:19:00	300	90	3.0	#68 2MASS Reds	4	
0097.COMP	5	1:09	21:21:10.4	+82:19:00	300	90	3.0	#68 2MASS Reds	4	
0098.2M213106.1p703440	300	1:09	21:31:06.1	+70:34:40	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	1:09	21:31:06.1	+70:34:40	300	90	3.0	#68 2MASS Reds	4	
0100.2M224035.7p725145	300	1:09	22:40:35.7	+72:51:45	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	1:09	22:40:35.7	+72:51:45	300	90	3.0	#68 2MASS Reds	4	
0102.2M223840.7p355209	200	1:09	22:38:40.7	+35:52:09	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	1:09	22:38:40.7	+35:52:09	300	90	3.0	#68 2MASS Reds	4	
0104.2M224844.2p273500	400	1:09	22:48:44.2	+27:35:00	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	1:09	22:48:44.2	+27:35:00	300	90	3.0	#68 2MASS Reds	4	
0106.2M232147.3p435935	300	1:09	23:21:47.3	+43:59:35	300	90	3.0	#68 2MASS Reds	4	
0107.COMP	5	1:09	23:21:47.3	+43:59:35	300	90	3.0	#68 2MASS Reds	4	
0108.2M235656.0p482603	300	1:09	23:56:56.0	+48:26:03	300	90	3.0	#68 2MASS Reds	4	
0109.COMP	5	1:09	23:56:56.0	+48:26:03	300	90	3.0	#68 2MASS Reds	4	
0110.ZAnd	1	1:09	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0111.ZAnd	3	1:09	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0112.ZAnd	5	1:09	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0113.ZAnd	15	1:09	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	

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0114.COMP	5	1:09	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0115.sn2001fa	1200	1:09	01:48:22.2	+11:31:34	300	90	3.0	#2 SN Observat	2	
0116.COMP	10	1:09	01:48:22.2	+11:31:34	300	90	3.0	#2 SN Observat	2	
0117.a168_003	360	1:09	01:09:18.2	2:34:03	300	90	3.0	#64 Cluster In	4	
0118.COMP	5	1:09	01:09:18.2	2:34:03	300	90	3.0	#64 Cluster In	4	
0119.a168_006	300	1:09	01:25:39.6	2:25:51	300	90	3.0	#64 Cluster In	4	
0120.COMP	5	1:09	01:25:39.6	2:25:51	300	90	3.0	#64 Cluster In	4	
0121.a168_008	200	1:09	01:25:33.2	2:34:45	300	90	3.0	#64 Cluster In	4	
0122.COMP	5	1:09	01:25:33.2	2:34:45	300	90	3.0	#64 Cluster In	4	
0123.a168_013	500	1:09	01:25:38.7	0:26:04	300	90	3.0	#64 Cluster In	4	
0124.COMP	5	1:09	01:25:38.7	0:26:04	300	90	3.0	#64 Cluster In	4	
0125.a168_022	240	1:09	01:17:46.5	3:24:29	300	90	3.0	#64 Cluster In	4	
0126.COMP	5	1:09	01:17:46.5	3:24:29	300	90	3.0	#64 Cluster In	4	
0127.a168_034	360	1:09	01:07:45.9	2:09:46	300	90	3.0	#64 Cluster In	4	
0128.COMP	5	1:09	01:07:45.9	2:09:46	300	90	3.0	#64 Cluster In	4	
0129.a168_035	300	1:09	01:12:55.2	3:38:18	300	90	3.0	#64 Cluster In	4	
0130.COMP	5	1:09	01:12:55.2	3:38:18	300	90	3.0	#64 Cluster In	4	
0131.a168_062	480	1:09	01:12:56.7	3:37:43	300	90	3.0	#64 Cluster In	4	
0132.COMP	5	1:09	01:12:56.7	3:37:43	300	90	3.0	#64 Cluster In	4	
0133.a168_036	480	1:09	01:12:30.1	-2:50:52	300	90	3.0	#64 Cluster In	4	

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0134.COMP	5	1:09	01:12:30.1	-2:50:52	300	90	3.0	#64 Cluster In	4	
0135.a168_045	300	1:09	01:24:29.4	2:30:46	300	90	3.0	#64 Cluster In	4	
0136.COMP	5	1:09	01:24:29.4	2:30:46	300	90	3.0	#64 Cluster In	4	
0137.a168_046	420	1:09	01:19:22.7	-3:36:20	300	90	3.0	#64 Cluster In	4	
0138.COMP	5	1:09	01:19:22.7	-3:36:20	300	90	3.0	#64 Cluster In	4	
0139.a168_049	420	1:09	01:20:16.8	3:08:02	300	90	3.0	#64 Cluster In	4	
0140.COMP	5	1:09	01:20:16.8	3:08:02	300	90	3.0	#64 Cluster In	4	
0141.a168_053	480	1:09	01:17:51.6	3:17:48	300	90	3.0	#64 Cluster In	4	
0142.COMP	5	1:09	01:17:51.6	3:17:48	300	90	3.0	#64 Cluster In	4	
0143.a168_055	480	1:09	01:08:11.1	2:12:03	300	90	3.0	#64 Cluster In	4	
0144.COMP	5	1:09	01:08:11.1	2:12:03	300	90	3.0	#64 Cluster In	4	
0145.a168_056	300	1:09	01:07:54.5	2:23:00	300	90	3.0	#64 Cluster In	4	
0146.COMP	5	1:09	01:07:54.5	2:23:00	300	90	3.0	#64 Cluster In	4	
0147.a168_057	720	1:09	01:17:07.3	-3:40:35	300	90	3.0	#64 Cluster In	4	
0148.COMP	5	1:09	01:17:07.3	-3:40:35	300	90	3.0	#64 Cluster In	4	
0149.a168_059	600	1:09	01:08:20.3	2:17:47	300	90	3.0	#64 Cluster In	4	
0150.COMP	5	1:09	01:08:20.3	2:17:47	300	90	3.0	#64 Cluster In	4	
0151.a168_066	720	1:09	01:20:39.5	3:25:41	300	90	3.0	#64 Cluster In	4	
0152.COMP	5	1:09	01:20:39.5	3:25:41	300	90	3.0	#64 Cluster In	4	
0153.a496_336	1200	1:09	04:25:19.9	-09:32:04	300	90	3.0	#64 Cluster In	4	interacting E-W pair

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0154.COMP	5	1:09	04:25:19.9	-09:32:04	300	90	3.0	#64 Cluster In	4	
0155.a496_340	400	1:09	04:51:13.8	-15:34:53	300	90	3.0	#64 Cluster In	4	
0156.COMP	5	1:09	04:51:13.8	-15:34:53	300	90	3.0	#64 Cluster In	4	
0157.a496_343	700	1:09	04:47:15.5	-14:56:28	300	90	3.0	#64 Cluster In	4	
0158.COMP	5	1:09	04:47:15.5	-14:56:28	300	90	3.0	#64 Cluster In	4	
0159.a496_346	900	1:09	04:21:08.4	-15:55:03	300	90	3.0	#64 Cluster In	4	
0160.COMP	5	1:09	04:21:08.4	-15:55:03	300	90	3.0	#64 Cluster In	4	
0161.a496_349	900	1:09	04:26:33.1	-08:19:27	300	90	3.0	#64 Cluster In	4	349E to E
0162.COMP	5	1:09	04:26:33.1	-08:19:27	300	90	3.0	#64 Cluster In	4	
0163.2M023733.8p644056	700	1:09	02:37:33.8	+64:40:56	300	90	3.0	#68 2MASS Reds	4	low s/n
0164.COMP	5	1:09	02:37:33.8	+64:40:56	300	90	3.0	#68 2MASS Reds	4	
0165.2M023809.9p622257	300	1:09	02:38:09.9	+62:22:57	300	90	3.0	#68 2MASS Reds	4	
0166.COMP	5	1:09	02:38:09.9	+62:22:57	300	90	3.0	#68 2MASS Reds	4	
0167.2M023907.5p515327	300	1:09	02:39:07.5	+51:53:27	300	90	3.0	#68 2MASS Reds	4	
0168.COMP	5	1:09	02:39:07.5	+51:53:27	300	90	3.0	#68 2MASS Reds	4	
0169.2M024114.0p455049	200	1:09	02:41:14.0	+45:50:49	300	90	3.0	#68 2MASS Reds	4	
0170.COMP	5	1:09	02:41:14.0	+45:50:49	300	90	3.0	#68 2MASS Reds	4	
0171.2M024213.4p672331	900	1:09	02:42:13.4	+67:23:31	300	90	3.0	#68 2MASS Reds	4	
0172.COMP	5	1:09	02:42:13.4	+67:23:31	300	90	3.0	#68 2MASS Reds	4	
0173.2M024238.1p361254	200	1:09	02:42:38.1	+36:12:54	300	90	3.0	#68 2MASS Reds	4	

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0174.COMP	5	1:09	02:42:38.1	+36:12:54	300	90	3.0	#68 2MASS Reds	4	
0175.2M024425.2p322100	300	1:09	02:44:25.2	+32:21:00	300	90	3.0	#68 2MASS Reds	4	
0176.COMP	5	1:09	02:44:25.2	+32:21:00	300	90	3.0	#68 2MASS Reds	4	
0177.2M033234.3p472844	800	1:09	03:32:34.3	+47:28:44	300	90	3.0	#68 2MASS Reds	4	
0178.COMP	5	1:09	03:32:34.3	+47:28:44	300	90	3.0	#68 2MASS Reds	4	
0179.2M033322.6p400947	200	1:09	03:33:22.6	+40:09:47	300	90	3.0	#68 2MASS Reds	4	
0180.COMP	5	1:09	03:33:22.6	+40:09:47	300	90	3.0	#68 2MASS Reds	4	
0181.2M033357.0p390422	200	1:09	03:33:57.0	+39:04:22	300	90	3.0	#68 2MASS Reds	4	
0182.COMP	5	1:09	03:33:57.0	+39:04:22	300	90	3.0	#68 2MASS Reds	4	
0183.2M041108.3p383726	800	1:09	04:11:08.3	+38:37:26	300	90	3.0	#68 2MASS Reds	4	
0184.COMP	5	1:09	04:11:08.3	+38:37:26	300	90	3.0	#68 2MASS Reds	4	
0185.2M041141.4p384128	900	1:09	04:11:41.4	+38:41:28	300	90	3.0	#68 2MASS Reds	4	
0186.COMP	5	1:09	04:11:41.4	+38:41:28	300	90	3.0	#68 2MASS Reds	4	
0187.2M043653.8p273314	500	1:09	04:36:53.8	+27:33:14	300	90	3.0	#68 2MASS Reds	4	
0188.COMP	5	1:09	04:36:53.8	+27:33:14	300	90	3.0	#68 2MASS Reds	4	
0189.sn2001fe	1200	1:09	09:37:57.1	+25:29:41	300	90	3.0	#2 SN Observat	2	binby2
0190.COMP	10	1:09	09:37:57.1	+25:29:41	300	90	3.0	#2 SN Observat	2	
0191.IRAS_0653p4629	1200	1:09	06:57:34.8	+46:24:09	300	90	3.0	#124 COLA	4	binby4
0192.COMP	5	1:09	06:57:34.8	+46:24:09	300	90	3.0	#124 COLA	4	
0193.BGGem	1200	1:09	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	binby2



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0194.BGGem	300	1:09	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0195.COMP	10	1:09	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0196.HD52971	5	1:09	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0197.COMP	10	1:09	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	2	
0198.HD52971	5	1:09	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	binby4
0199.COMP	5	1:09	06:57:51	+27:13:42	300	90	3.0	#57 Velocity S	4	
0200-0209.BIAS	0	13:15	06:57:51	+27:13:42	300	90	3.0	#68 2MASS Reds	4	
0210-0219.FLAT	8	13:19	06:57:51	+27:13:42	300	90	3.0	#68 2MASS Reds	4	
0220.BIAS	0	13:19	06:57:51	+27:13:42	300	90	3.0	#68 2MASS Reds	2	binby2
0221-0229.BIAS	0	13:21	06:57:51	+27:13:42	300	90	3.0	#68 2MASS Reds	2	
0230.FLAT	16	13:21	06:57:51	+27:13:42	300	90	3.0	#68 2MASS Reds	2	clear at dawn
0231-0239.FLAT	16	13:26	06:57:51	+27:13:42	300	90	3.0	#68 2MASS Reds	2	
0240.DARK	1200	13:26	06:57:51	+27:13:42	300	90	3.0	#68 2MASS Reds	4	binby4
0241-0249.DARK	1200	16:29	06:57:51	+27:13:42	300	90	3.0	#68 2MASS Reds	4	