

UT Date 2004-12-20 Observers M CalkinsColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	0:00	22:47:10.7	+31:28:13	300	90	3.0	#56 Spectropho	4	
0002.DARK	900	0:15	23:02:20.1	+31:28:10	300	90	3.0	#56 Spectropho	4	
0003.DARK	900	0:30	23:17:26.7	+31:28:08	300	90	3.0	#56 Spectropho	4	
0004.DARK	900	0:46	23:32:35.8	+31:28:07	300	90	3.0	#56 Spectropho	4	
0005.DARK	900	1:01	23:47:45.1	+31:28:06	300	90	3.0	#56 Spectropho	4	
0006-0015.BIAS	0	1:17	23:48:57.8	+31:28:06	300	90	3.0	#56 Spectropho	4	
0016-0025.FLAT	6	1:22	23:54:37.5	+31:28:05	300	90	3.0	#56 Spectropho	4	
0026-0035.BIAS	0	1:25	23:57:01.4	+31:28:05	300	90	3.0	#56 Spectropho	2	
0036-0045.FLAT	12	1:29	00:01:38.2	+31:28:05	300	90	3.0	#56 Spectropho	2	
0046.BDp284211	60	1:39	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0047.BDp284211	60	1:40	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0048.COMP	5	1:42	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0049.BDp284211	60	1:43	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0050.BDp284211	90	1:44	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0051.BDp284211	90	1:46	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0052.COMP	12	1:48	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0053.BDp174708	30	1:54	22:11:31.4	18:05:34	300	59	3.0	#56 Spectropho	2	
0054.COMP	12	1:55	22:11:31.4	18:05:34	300	59	3.0	#56 Spectropho	2	
0055.M31	60	2:00	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0056.COMP	12	2:01	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0057.Akn564	180	2:03	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0058.Akn564	180	2:06	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0059.COMP	12	2:10	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0060.N7469	120	2:12	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0061.N7469	120	2:14	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0062.COMP	12	2:17	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0063.MRK335	150	2:20	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0064.MRK335	150	2:22	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0065.COMP	12	2:25	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0066.ZAnd	2	2:27	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0067.ZAnd	10	2:28	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0068.ZAnd	60	2:28	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0069.COMP	12	2:30	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0070.RAqr	0	2:32	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0071.RAqr	1	2:32	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0072.RAqr	5	2:33	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0073.RAqr	10	2:33	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0074.COMP	12	2:34	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0075.EGAnd	1	2:36	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0076.EGAnd	5	2:36	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	

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0077.EGAnd	10	2:37	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0078.COMP	12	2:37	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0079.AXPer	4	2:40	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0080.AXPer	30	2:41	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0081.AXPer	90	2:41	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0082.COMP	12	2:43	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0083.2593-20	1200	2:47	23:26:35.0	+14:54:04	300	90	3.0	#64 Galaxy For	2	
0084.COMP	12	3:08	23:26:35.0	+14:54:04	300	90	3.0	#64 Galaxy For	2	
0085.2593-21	1200	3:09	23:26:20.3	+14:57:31	300	90	3.0	#64 Galaxy For	2	
0086.COMP	12	3:29	23:26:20.3	+14:57:31	300	90	3.0	#64 Galaxy For	2	
0087.2593-22	1020	3:31	23:23:44.5	+14:57:59	300	90	3.0	#64 Galaxy For	2	
0088.COMP	12	3:49	23:23:44.5	+14:57:59	300	90	3.0	#64 Galaxy For	2	
0089.2593-23	1020	3:50	23:25:00.5	+14:58:50	300	90	3.0	#64 Galaxy For	2	
0090.COMP	12	4:08	23:25:00.5	+14:58:50	300	90	3.0	#64 Galaxy For	2	
0091.2593-24	780	4:09	23:24:48.2	+15:00:00	300	90	3.0	#64 Galaxy For	2	clouds.....
0092.COMP	12	4:22	23:24:48.2	+15:00:00	300	90	3.0	#64 Galaxy For	2	
0093.2593-25	780	4:24	23:26:33.1	+15:03:03	300	90	3.0	#64 Galaxy For	2	get again?
0094.COMP	12	4:38	23:26:33.1	+15:03:03	300	90	3.0	#64 Galaxy For	2	
0095.2M03270339p3144520	1200	4:44	03:27:03.3	+31:44:51	300	90	3.0	#141 Mapping t	2	
0096.2M03270339p3144520	1200	5:15	03:27:03.3	+31:44:51	300	90	3.0	#141 Mapping t	2	

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0097.COMP	12	5:36	03:27:03.3	+31:44:51	300	90	3.0	#141 Mapping t	2	
0098.2M03283508p3736537	1020	5:38	03:28:35.0	+37:36:53	300	90	3.0	#141 Mapping t	2	
0099.COMP	12	5:55	03:28:35.0	+37:36:53	300	90	3.0	#141 Mapping t	2	
0100.2M03310216p7045004	900	5:57	03:31:02.1	+70:45:00	300	90	3.0	#141 Mapping t	2	
0101.COMP	12	6:13	03:31:02.1	+70:45:00	300	90	3.0	#141 Mapping t	2	
0102.2M03314449p0044521	480	6:16	03:31:44.4	+00:44:52	300	90	3.0	#141 Mapping t	2	
0103.COMP	12	6:25	03:31:44.4	+00:44:52	300	90	3.0	#141 Mapping t	2	
0104.2M03324757p3823302	600	6:26	03:32:47.5	+38:23:30	300	90	3.0	#141 Mapping t	2	
0105.COMP	12	6:37	03:32:47.5	+38:23:30	300	90	3.0	#141 Mapping t	2	
0106.2M03325710p1307404	1200	6:38	03:32:57.1	+13:07:40	300	90	3.0	#141 Mapping t	2	
0107.COMP	12	6:59	03:32:57.1	+13:07:40	300	90	3.0	#141 Mapping t	2	
0108.2M03345361p0709178	600	7:00	03:34:53.5	+07:09:18	300	90	3.0	#141 Mapping t	2	
0109.COMP	12	7:11	03:34:53.5	+07:09:18	300	90	3.0	#141 Mapping t	2	
0110.2M03364741p0923258	1200	7:12	03:36:47.4	+09:23:26	300	90	3.0	#141 Mapping t	2	
0111.COMP	12	7:33	03:36:47.4	+09:23:26	300	90	3.0	#141 Mapping t	2	
0112.sn2004gq	1500	7:37	05:12:04.8	-15:40:54	300	16	3.0	#2 SN Observat	2	
0113.COMP	12	8:02	05:12:04.8	-15:40:54	300	16	3.0	#2 SN Observat	2	
0114.cvso-71802	420	8:07	05:45:45.8	+01:26:24	300	90	3.0	#112 Orion PMS	2	
0115.COMP	12	8:14	05:45:45.8	+01:26:24	300	90	3.0	#112 Orion PMS	2	
0116.cvso-43907	600	8:17	05:46:12.6	+00:11:13	300	90	3.0	#112 Orion PMS	2	

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0117.COMP	12	8:28	05:46:12.6	+00:11:13	300	90	3.0	#112 Orion PMS	2	
0118.cvso-43930	600	8:29	05:46:19.4	-00:05:19	300	90	3.0	#112 Orion PMS	2	
0119.COMP	12	8:39	05:46:19.4	-00:05:19	300	90	3.0	#112 Orion PMS	2	
0120.cvso-43941	600	8:40	05:46:22.4	-00:08:52	300	90	3.0	#112 Orion PMS	2	
0121.COMP	12	8:53	05:46:22.4	-00:08:52	300	90	3.0	#112 Orion PMS	2	
0122.cvso-43944	480	8:54	05:46:22.6	-00:15:02	300	90	3.0	#112 Orion PMS	2	
0123.COMP	12	9:02	05:46:22.6	-00:15:02	300	90	3.0	#112 Orion PMS	2	
0124.cvso-44083	720	9:03	05:46:45.8	+00:17:02	300	90	3.0	#112 Orion PMS	2	
0125.COMP	12	9:18	05:46:45.8	+00:17:02	300	90	3.0	#112 Orion PMS	2	
0126.cvso-44275	600	9:19	05:47:06.9	+00:00:48	300	90	3.0	#112 Orion PMS	2	
0127.COMP	12	9:29	05:47:06.9	+00:00:48	300	90	3.0	#112 Orion PMS	2	
0128.cvso-74805	600	9:37	05:47:18.8	+01:53:18	300	90	3.0	#112 Orion PMS	2	
0129.COMP	12	9:48	05:47:18.8	+01:53:18	300	90	3.0	#112 Orion PMS	2	
0130.cvso-71909	480	9:49	05:47:35.7	+00:38:40	300	90	3.0	#112 Orion PMS	2	
0131.COMP	12	9:57	05:47:35.7	+00:38:40	300	90	3.0	#112 Orion PMS	2	
0132.cvso-73995	480	9:58	05:47:46.1	+01:08:13	300	90	3.0	#112 Orion PMS	2	
0133.COMP	12	10:07	05:47:46.1	+01:08:13	300	90	3.0	#112 Orion PMS	2	
0134.cvso-71945	600	10:08	05:47:48.1	+00:30:21	300	90	3.0	#112 Orion PMS	2	
0135.COMP	12	10:18	05:47:48.1	+00:30:21	300	90	3.0	#112 Orion PMS	2	
0136.sn2004gs	1500	10:21	08:38:23.1	+17:37:39	300	6	3.0	#2 SN Observat	2	

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0137.COMP	12	10:47	08:38:23.1	+17:37:39	300	6	3.0	#2 SN Observat	2	
0138.BGGem	300	10:50	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0139.COMP	12	10:55	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0140.BGGem	1200	10:56	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0141.COMP	12	11:17	6:03:31	27:41:50	300	90	3.0	#12 Symbiotic	2	
0142.N3227	150	11:18	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0143.N3227	150	11:21	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0144.COMP	12	11:24	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0145.MRK421	300	11:26	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0146.MRK421	300	11:31	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0147.MRK421	300	11:36	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0148.COMP	12	11:45	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0149.N4051	150	11:46	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0150.N4051	150	11:49	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0151.N4051	150	11:52	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0152.COMP	12	11:55	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0153.sn2004gk	900	12:08	12:25:33.2	+12:15:39	300	-40	3.0	#2 SN Observat	2	
0154.COMP	12	12:24	12:25:33.2	+12:15:39	300	-40	3.0	#2 SN Observat	2	
0155.N4151	30	12:28	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0156.N4151	30	12:29	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	

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0157.COMP	12	12:30	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0158.110330+03350	420	12:31	11:06:04.7	+03:19:07	300	90	3.0	#84f Updated Z	2	
0159.COMP	12	12:39	11:06:04.7	+03:19:07	300	90	3.0	#84f Updated Z	2	
0160.110700-02190	540	12:40	11:09:35.2	-02:35:59	300	90	3.0	#84f Updated Z	2	
0161.COMP	12	12:49	11:09:35.2	-02:35:59	300	90	3.0	#84f Updated Z	2	
0162.110812-02280	600	12:50	11:10:44.0	-02:44:05	300	90	3.0	#84f Updated Z	2	
0163.COMP	12	13:00	11:10:44.0	-02:44:05	300	90	3.0	#84f Updated Z	2	
0164.110836+56490	1200	13:03	11:11:35.9	+56:31:36	300	90	3.0	#84f Updated Z	2	
0165.COMP	12	13:24	11:11:35.9	+56:31:36	300	90	3.0	#84f Updated Z	2	
0166.Feige34	60	13:26	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0167.COMP	12	13:28	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0168-0177.BIAS	0	13:35	10:36:41.2	43:21:50	300	90	3.0	#12 Symbiotic	4	
0178-0187.FLAT	6	13:38	10:36:41.2	43:21:50	300	90	3.0	#12 Symbiotic	4	
0188-0197.BIAS	0	13:43	10:36:41.2	43:21:50	300	90	3.0	#12 Symbiotic	2	
0198-0207.FLAT	12	13:47	10:36:41.2	43:21:50	300	90	3.0	#12 Symbiotic	2	
0208-0217.DARK	900	16:14	10:36:41.2	43:21:50	300	90	3.0	#12 Symbiotic	2	