

UT Date 2004-12-10 Observers M CalkinsColl. Focus 953 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0007.DARK	900	0:44	10:45:02.6	+14:14:51	300	90	3.0	#56 Spectropho	4	
0008-0017.BIAS	0	1:00	10:45:02.6	+14:14:51	300	90	3.0	#56 Spectropho	4	
0018-0027.FLAT	6	1:04	10:45:02.6	+14:14:51	300	90	3.0	#56 Spectropho	4	
0028-0037.BIAS	0	1:07	10:45:02.6	+14:14:51	300	90	3.0	#56 Spectropho	2	
0038-0047.FLAT	12	1:12	10:45:02.6	+14:14:51	300	90	3.0	#56 Spectropho	2	
0048.BDp284211	60	1:21	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0049.BDp284211	60	1:22	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0050.COMP	5	1:23	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0051.BDp284211	60	1:24	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0052.BDp284211	60	1:26	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0053.COMP	12	1:28	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0054.BDp174708	20	1:30	22:11:31.4	18:05:34	300	46	3.0	#56 Spectropho	2	
0055.BDp174708	20	1:30	22:11:31.4	18:05:34	300	46	3.0	#56 Spectropho	2	
0056.COMP	12	1:31	22:11:31.4	18:05:34	300	46	3.0	#56 Spectropho	2	
0057.M31	60	1:34	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0058.COMP	12	1:36	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0059.sn2004et	900	1:41	20:35:25.4	60:07:17	300	110	3.0	#2 SN Observat	2	
0060.COMP	12	1:57	20:35:25.4	60:07:17	300	110	3.0	#2 SN Observat	2	
0061.MRK509	180	2:04	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0062.MRK509	180	2:07	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	

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0063.COMP	12	2:11	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0064.Akn564	180	2:13	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0065.Akn564	180	2:16	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0066.COMP	12	2:19	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0067.N7469	120	2:21	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0068.N7469	120	2:23	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0069.COMP	12	2:26	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0070.EGAnd	1	2:28	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0071.EGAnd	5	2:28	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0072.EGAnd	10	2:29	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0073.COMP	12	2:29	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0074.AXPer	4	2:31	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0075.AXPer	30	2:32	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0076.AXPer	90	2:34	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0077.COMP	12	2:36	1:36:23	54:15:03	300	90	3.0	#12 Symbiotic	2	
0078.2589-03	600	2:38	23:23:29.4	+16:23:18	300	90	3.0	#64 Galaxy For	2	
0079.COMP	12	2:48	23:23:29.4	+16:23:18	300	90	3.0	#64 Galaxy For	2	
0080.2589-04	540	2:49	23:25:13.3	+16:24:25	300	90	3.0	#64 Galaxy For	4	
0081.COMP	5	3:00	23:25:13.3	+16:24:25	300	90	3.0	#64 Galaxy For	4	
0082.2589-05	420	3:01	23:22:37.0	+16:29:18	300	90	3.0	#64 Galaxy For	4	

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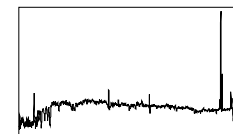
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0083.COMP	5	3:08	23:22:37.0	+16:29:18	300	90	3.0	#64 Galaxy For	4	
0084.2589-06	660	3:09	23:23:36.8	+16:33:48	300	90	3.0	#64 Galaxy For	4	
0085.COMP	5	3:21	23:23:36.8	+16:33:48	300	90	3.0	#64 Galaxy For	4	
0086.2589-07	840	3:22	23:26:38.6	+16:49:15	300	90	3.0	#64 Galaxy For	4	
0087.COMP	5	3:48	23:26:38.6	+16:49:15	300	90	3.0	#64 Galaxy For	4	
0088.2589-08	540	3:50	23:22:39.6	+16:51:41	300	90	3.0	#64 Galaxy For	4	
0089.COMP	5	4:00	23:22:39.6	+16:51:41	300	90	3.0	#64 Galaxy For	4	
0090.2589-09	480	4:01	23:23:50.8	+16:53:49	300	90	3.0	#64 Galaxy For	4	
0091.COMP	5	4:10	23:23:50.8	+16:53:49	300	90	3.0	#64 Galaxy For	4	
0092.2589-10	540	4:11	23:23:21.4	+16:56:38	300	90	3.0	#64 Galaxy For	4	
0093.COMP	5	4:20	23:23:21.4	+16:56:38	300	90	3.0	#64 Galaxy For	4	
0094.2589-11	840	4:21	23:24:32.4	+17:06:21	300	90	3.0	#64 Galaxy For	4	
0095.COMP	5	4:35	23:24:32.4	+17:06:21	300	90	3.0	#64 Galaxy For	4	
0096.2589-12	900	4:37	23:22:10.9	+17:15:52	300	90	3.0	#64 Galaxy For	4	
0097.COMP	5	4:52	23:22:10.9	+17:15:52	300	90	3.0	#64 Galaxy For	4	
0098.2589-13	720	4:53	23:24:04.7	+17:19:13	300	90	3.0	#64 Galaxy For	4	
0099.COMP	5	5:06	23:24:04.7	+17:19:13	300	90	3.0	#64 Galaxy For	4	
0100.2589-14	600	5:06	23:23:42.3	+17:25:01	300	90	3.0	#64 Galaxy For	4	
0101.COMP	5	5:17	23:23:42.3	+17:25:01	300	90	3.0	#64 Galaxy For	4	
0102.2589-15	600	5:18	23:23:31.1	+17:25:20	300	100	3.0	#64 Galaxy For	2	need more counts

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0103.COMP	12	5:29	23:23:31.1	+17:25:20	300	100	3.0	#64 Galaxy For	2	
0104.2589-15	1020	5:29	23:23:31.1	+17:25:20	300	100	3.0	#64 Galaxy For	2	
0105.COMP	12	5:47	23:23:31.1	+17:25:20	300	100	3.0	#64 Galaxy For	2	
0106.025754p41120_b	1050	5:50	3:1:2.1	41:22:2	300	100	3.0	#113 Interacti	2	
0107.025754p41120_b	1050	6:07	3:1:2.1	41:22:2	300	100	3.0	#113 Interacti	2	
0108.COMP	12	6:25	3:1:2.1	41:22:2	300	100	3.0	#113 Interacti	2	
0109.025754p41120_c	1050	6:27	3:1:1.7	41:21:33	300	90	3.0	#113 Interacti	2	
0110.025754p41120_c	1050	6:44	3:1:1.7	41:21:33	300	90	3.0	#113 Interacti	2	
0111.COMP	12	7:02	3:1:1.7	41:21:33	300	90	3.0	#113 Interacti	2	
0112.hs3731	360	7:08	3:20:41.7	1:41:39	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=440
0113.COMP	10	7:14	3:20:41.7	1:41:39	600	90	2.0	#122 Halo Star	4	
0114.hs3732	240	7:15	3:22:17.3	3:41:20	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	7:19	3:22:17.3	3:41:20	600	90	2.0	#122 Halo Star	4	
0116.hs3733	204	7:20	3:25:05.9	-1:30:38	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	7:25	3:25:05.9	-1:30:38	600	90	2.0	#122 Halo Star	4	
0118.hs3734	288	7:25	3:26:26.5	1:15:39	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	7:31	3:26:26.5	1:15:39	600	90	2.0	#122 Halo Star	4	
0120.hs3735	420	7:31	3:26:30.3	2:23:43	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	7:39	3:26:30.3	2:23:43	600	90	2.0	#122 Halo Star	4	
0122.hs3736	282	7:40	3:29:11.8	4:13:28	600	90	2.0	#122 Halo Star	4	

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0123.COMP	10	7:45	3:29:11.8	4:13:28	600	90	2.0	#122 Halo Star	4	
0124.hs3737	246	7:47	3:29:35.9	4:19:06	600	99	2.0	#122 Halo Star	4	
0125.COMP	10	7:52	3:29:35.9	4:19:06	600	99	2.0	#122 Halo Star	4	
0126.hs3740	540	7:57	3:38:52.0	3:15:58	600	90	2.0	#122 Halo Star	4	
0127.COMP	10	8:06	3:38:52.0	3:15:58	600	90	2.0	#122 Halo Star	4	
0128.hs3741	222	8:07	3:39:05.8	-1:47:34	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	8:11	3:39:05.8	-1:47:34	600	90	2.0	#122 Halo Star	4	
0130.hs3742	500	8:12	3:40:01.5	2:12:01	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	8:21	3:40:01.5	2:12:01	600	90	2.0	#122 Halo Star	4	
0132.hs3743	258	8:22	3:40:30.1	-0:26:23	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	8:28	3:40:30.1	-0:26:23	600	90	2.0	#122 Halo Star	4	
0134.hs3744	234	8:30	3:41:12.5	3:53:36	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	8:34	3:41:12.5	3:53:36	600	90	2.0	#122 Halo Star	4	
0136.hs3745	306	8:38	3:42:01.6	0:15:01	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	8:43	3:42:01.6	0:15:01	600	90	2.0	#122 Halo Star	4	
0138.hs3746	180	8:44	3:43:09.4	0:42:32	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	8:48	3:43:09.4	0:42:32	600	90	2.0	#122 Halo Star	4	
0140.hs3747	228	8:49	3:45:15.0	0:57:41	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	8:53	3:45:15.0	0:57:41	600	90	2.0	#122 Halo Star	4	
0142.Hiltner600	60	8:55	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	

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0143.COMP	10	8:56	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0144-0153.FLAT	24	9:02	06:42:37.2	02:11:25	600	90	2.0	#122 Halo Star	4	
0154.Hiltner600	60	9:12	06:42:37.2	02:11:25	300	8	3.0	#56 Spectropho	2	
0155.COMP	12	9:14	06:42:37.2	02:11:25	300	8	3.0	#56 Spectropho	2	
0156.sn2004gd	1020	9:18	07:09:11.7	+20:36:10	300	2	3.0	#2 SN Observat	2	
0157.COMP	12	9:37	07:09:11.7	+20:36:10	300	2	3.0	#2 SN Observat	2	
0158.cvso-33294	720	9:41	05:10:29.0	-01:33:32	300	90	3.0	#112 Orion PMS	2	
0159.COMP	12	9:54	05:10:29.0	-01:33:32	300	90	3.0	#112 Orion PMS	2	
0160.cvso-27603	720	9:56	05:26:04.4	-01:53:01	300	90	3.0	#112 Orion PMS	2	
0161.COMP	12	10:08	05:26:04.4	-01:53:01	300	90	3.0	#112 Orion PMS	2	
0162.cvso-40651	720	10:09	05:28:21.6	-00:46:22	300	90	3.0	#112 Orion PMS	2	
0163.COMP	12	10:22	05:28:21.6	-00:46:22	300	90	3.0	#112 Orion PMS	2	
0164.cvso-43775	720	10:23	05:31:58.3	-00:45:33	300	90	3.0	#112 Orion PMS	2	
0165.COMP	12	10:35	05:31:58.3	-00:45:33	300	90	3.0	#112 Orion PMS	2	
0166.cvso-30831	780	10:36	05:32:03.4	-01:56:32	300	70	3.0	#112 Orion PMS	2	
0167.COMP	12	10:50	05:32:03.4	-01:56:32	300	70	3.0	#112 Orion PMS	2	
0168.cvso-31024	780	10:51	05:32:22.6	-02:01:01	300	90	3.0	#112 Orion PMS	2	
0169.COMP	12	11:05	05:32:22.6	-02:01:01	300	90	3.0	#112 Orion PMS	2	
0170.BXMon	15	11:08	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0171.BXMon	180	11:09	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	

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0172.COMP	12	11:12	7:25:23	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0173.2M06135984p4950231	480	11:14	06:14:00.0	+49:50:23	300	90	3.0	#141 Mapping t	2	
0174.COMP	12	11:24	06:14:00.0	+49:50:23	300	90	3.0	#141 Mapping t	2	
0175.2M06171942p4805102	540	11:25	06:17:19.4	+48:05:10	300	90	3.0	#141 Mapping t	2	
0176.COMP	12	11:37	06:17:19.4	+48:05:10	300	90	3.0	#141 Mapping t	2	
0177.2M06175508p5603494	840	11:38	06:17:55.0	+56:03:49	300	20	3.0	#141 Mapping t	2	
0178.COMP	12	11:53	06:17:55.0	+56:03:49	300	20	3.0	#141 Mapping t	2	
0179.2M06242424p5355312	900	11:55	06:24:24.2	+53:55:31	300	90	3.0	#141 Mapping t	2	
0180.COMP	12	12:11	06:24:24.2	+53:55:31	300	90	3.0	#141 Mapping t	2	
0181.sn2004gk	600	12:14	12:25:33.2	+12:15:39	300	110	3.0	#2 SN Observat	2	
0182.COMP	12	12:25	12:25:33.2	+12:15:39	300	110	3.0	#2 SN Observat	2	
0183.Feige34	60	12:27	10:36:41.2	43:21:50	300	20	3.0	#56 Spectropho	2	
0184.Feige34	60	12:28	10:36:41.2	43:21:50	300	20	3.0	#56 Spectropho	2	
0185.COMP	12	12:30	10:36:41.2	43:21:50	300	20	3.0	#56 Spectropho	2	
0186.TXCVn	10	12:32	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0187.TXCVn	30	12:32	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0188.COMP	12	12:33	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0189.091754-00480	540	12:37	09:20:26.5	-01:01:07	300	90	3.0	#84f Updated Z	2	
0190.COMP	12	12:46	09:20:26.5	-01:01:07	300	90	3.0	#84f Updated Z	2	
0191.092800+06200	210	12:47	09:30:35.9	+06:07:18	300	90	3.0	#84f Updated Z	2	

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0192.COMP	12	12:51	09:30:35.9	+06:07:18	300	90	3.0	#84f Updated Z	2	
0193.092942+10590	210	12:52	09:32:25.3	+10:45:48	300	90	3.0	#84f Updated Z	2	
0194.COMP	12	12:56	09:32:25.3	+10:45:48	300	90	3.0	#84f Updated Z	2	
0195.093136+24260	270	12:58	09:34:27.2	+24:13:31	300	90	3.0	#84f Updated Z	2	need more counts...
0196.COMP	12	13:03	09:34:27.2	+24:13:31	300	90	3.0	#84f Updated Z	2	
0197.093136+24260	420	13:04	09:34:27.2	+24:13:31	300	90	3.0	#84f Updated Z	2	
0198.COMP	12	13:12	09:34:27.2	+24:13:31	300	90	3.0	#84f Updated Z	2	
0199-0208.BIAS	0	13:18	09:34:27.2	+24:13:31	300	90	3.0	#2 SN Observat	4	
0209-0218.FLAT	6	13:21	09:34:27.2	+24:13:31	300	90	3.0	#2 SN Observat	4	
0219-0228.BIAS	0	13:25	09:34:27.2	+24:13:31	300	90	3.0	#2 SN Observat	2	
0229-0238.FLAT	12	13:30	09:34:27.2	+24:13:31	300	90	3.0	#2 SN Observat	2	
0239-0248.DARK	900	15:59	09:34:27.2	+24:13:31	300	90	3.0	#2 SN Observat	2	