

UT Date 2003-06-07 Observers M CalkinsColl. Focus 820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	1:40	11:31:34.3	+31:31:19	300	90	3.0	none	4	
0002-0003.DARK	900	2:10	12:01:51.9	+31:31:20	300	90	3.0	none	4	
0004.DARK	900	2:25	12:17:02.3	+31:31:21	300	90	3.0	none	4	
0005-0014.BIAS	0	2:50	12:26:58.6	+31:31:21	300	90	3.0	none	4	
0015-0024.FLAT	6	2:56	12:32:39.0	+31:31:21	300	90	3.0	none	4	
0025-0034.BIAS	0	2:58	12:35:12.1	+31:31:21	300	90	3.0	none	2	
0035-0044.FLAT	12	3:03	12:39:48.5	+31:31:21	300	90	3.0	none	2	
0045.Feige34	120	3:28	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0046.COMP	5	3:30	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	4	
0047.Feige34	120	3:32	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0048.COMP	12	3:34	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0049.Feige34	120	3:35	10:36:41.2	43:21:50	300	98	3.0	#56 Spectropho	2	
0050.COMP	12	3:38	10:36:41.2	43:21:50	300	98	3.0	#56 Spectropho	2	
0051.sn2003ez	1200	3:43	12:43:11.8	-02:30:04	300	13	3.0	#2 SN Observat	2	
0052.COMP	12	4:03	12:43:11.8	-02:30:04	300	13	3.0	#2 SN Observat	2	
0053.MRK421	300	4:07	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0054.MRK421	300	4:12	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0055.MRK421	300	4:17	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0056.COMP	12	4:23	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0057.150418p21540_d	1200	4:25	15:6:38.4	21:42:30	300	90	3.0	#113 Interacti	2	

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0058.COMP	12	4:46	15:6:38.4	21:42:30	300	90	3.0	#113 Interacti	2	
0059.153248p23400_b	1200	4:49	15:34:53.6	23:28:17	300	90	3.0	#113 Interacti	2	row=79
0060.COMP	12	5:10	15:34:53.6	23:28:17	300	90	3.0	#113 Interacti	2	
0061.f249	1020	5:18	13:16:14.7	+41:29:41	300	80	3.0	#135 Starburst	2	
0062.COMP	12	5:35	13:16:14.7	+41:29:41	300	80	3.0	#135 Starburst	2	
0063.f249a	1020	5:38	13:16:06.7	+41:30:03	300	-24	3.0	#135 Starburst	2	
0064.COMP	12	5:55	13:16:06.7	+41:30:03	300	-24	3.0	#135 Starburst	2	
0065.f250	1200	5:57	13:20:35.4	+34:08:22	300	-30	3.0	#135 Starburst	2	
0066.COMP	12	6:17	13:20:35.4	+34:08:22	300	-30	3.0	#135 Starburst	2	
0067.f251	900	6:20	13:21:23.1	+00:20:32	300	-15	3.0	#135 Starburst	2	
0068.COMP	12	6:35	13:21:23.1	+00:20:32	300	-15	3.0	#135 Starburst	2	
0069.f253	1200	6:38	13:38:16.8	+27:46:18	300	50	3.0	#135 Starburst	2	
0070.COMP	12	6:58	13:38:16.8	+27:46:18	300	50	3.0	#135 Starburst	2	
0071.f254	1200	7:01	13:38:25.5	+33:07:03	300	95	3.0	#135 Starburst	2	
0072.COMP	12	7:21	13:38:25.5	+33:07:03	300	95	3.0	#135 Starburst	2	
0073.TCrB	15	7:24	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0074.TCrB	60	7:25	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0075.COMP	12	7:26	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0076.AGDra	2	7:28	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0077.AGDra	15	7:29	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	

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0078.AGDra	45	7:29	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0079.COMP	12	7:30	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0080.DracoC1	1200	7:32	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0081.COMP	12	7:52	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0082.sn2003fa	1200	7:56	17:44:07.7	+40:52:51	300	15	3.0	#2 SN Observat	2	
0083.COMP	12	8:17	17:44:07.7	+40:52:51	300	15	3.0	#2 SN Observat	2	
0084.RSOph	10	8:26	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0085.RSOph	60	8:27	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0086.RSOph	150	8:28	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0087.COMP	12	8:31	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0088.YYHer	10	8:33	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0089.YYHer	60	8:33	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0090.COMP	12	8:35	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0091.V443Her	5	8:36	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0092.V443Her	45	8:36	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0093.V443Her	90	8:37	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0094.COMP	12	8:39	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0095.3C390.3	360	8:43	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0096.3C390.3	360	8:49	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0097.COMP	12	8:56	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	

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0098.a2199k_058	1200	9:07	16:37:01.3	34:31:47	300	90	3.0	#64 Cluster In	2	
0099.COMP	12	9:28	16:37:01.3	34:31:47	300	90	3.0	#64 Cluster In	2	
0100.a2199k_059	1080	9:30	16:55:25.8	39:49:34	300	90	3.0	#64 Cluster In	2	
0101.COMP	12	9:48	16:55:25.8	39:49:34	300	90	3.0	#64 Cluster In	2	
0102.a2199k_060	780	9:50	16:57:08.5	39:10:58	300	90	3.0	#64 Cluster In	2	
0103.COMP	12	10:03	16:57:08.5	39:10:58	300	90	3.0	#64 Cluster In	2	
0104.a2199k_061	780	10:05	16:07:53.2	42:29:42	300	90	3.0	#64 Cluster In	2	
0105.COMP	12	10:19	16:07:53.2	42:29:42	300	90	3.0	#64 Cluster In	2	
0106.a2199k_062	780	10:21	16:29:11.0	43:55:15	300	90	3.0	#64 Cluster In	2	row=78
0107.COMP	12	10:35	16:29:11.0	43:55:15	300	90	3.0	#64 Cluster In	2	
0108.a2199k_063	960	10:37	16:16:33.2	35:03:23	300	90	3.0	#64 Cluster In	2	
0109.COMP	12	10:53	16:16:33.2	35:03:23	300	90	3.0	#64 Cluster In	2	
0110.a2199k_064	840	10:55	16:49:24.8	39:21:29	300	90	3.0	#64 Cluster In	2	
0111.COMP	12	11:09	16:49:24.8	39:21:29	300	90	3.0	#64 Cluster In	2	
0112.N7331	180	11:12	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0113.COMP	12	11:15	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	2	
0114.BDp284211	90	11:16	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0115.COMP	12	11:18	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0116.BDp284211	60	11:20	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0117.COMP	12	11:21	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	

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0118-0122.sky	21	21:48:57.1	28:37:48	300	90	3.0	#57 Velocity S	4	
0123.COMP	51	21:48:57.1	28:37:48	300	90	3.0	#57 Velocity S	4	
0124-0133.BIAS	03	21:48:57.1	28:37:48	300	90	3.0	#57 Velocity S	4	
0134-0143.FLAT	66	21:48:57.1	28:37:48	300	90	3.0	#57 Velocity S	4	
0144-0153.BIAS	08	21:48:57.1	28:37:48	300	90	3.0	#57 Velocity S	2	
0154-0163.FLAT	123	21:48:57.1	28:37:48	300	90	3.0	#57 Velocity S	2	
0164-0173.DARK	9001	21:48:57.1	28:37:48	300	90	3.0	#57 Velocity S	2	

172 DARK IS HEN THAN OTHERS - would have  
discard it but did not dark subtract  
any way. Make mean of combined darks  
alt 5 instead of 0.5.