

UT Date 2004-07-07 Observers CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	23:13	11:05:43.8	+31:31:04	300	90	3.0	#126 TOO GRB A	4	
0002.DARK	900	23:29	11:20:54.3	+31:31:05	300	90	3.0	#126 TOO GRB A	4	
0003.DARK	900	23:44	11:36:05.0	+31:31:06	300	90	3.0	#126 TOO GRB A	4	
0004-0007.DARK	900	0:44	12:36:40.0	+31:31:07	300	90	3.0	#126 TOO GRB A	4	
0008.DARK	900	0:59	12:51:50.6	+31:31:06	300	90	3.0	#126 TOO GRB A	4	
0009.DARK	900	1:14	13:06:57.7	+31:31:05	300	90	3.0	#126 TOO GRB A	4	
0010.DARK	900	1:29	13:22:08.1	+31:31:04	300	90	3.0	#126 TOO GRB A	4	
0011-0020.BIAS	0	3:07	14:44:55.0	+31:30:51	300	90	3.0	#126 TOO GRB A	4	
0021-0030.FLAT	6	3:09	14:47:27.0	+31:30:51	300	90	3.0	#126 TOO GRB A	4	
0031-0040.BIAS	0	3:12	14:50:02.9	+31:30:50	300	90	3.0	#126 TOO GRB A	2	
0041-0043.FLAT	12	3:14	14:52:04.8	+31:30:50	300	90	3.0	#126 TOO GRB A	2	
0044-0050.FLAT	12	3:17	14:54:54.1	+31:30:49	300	90	3.0	#126 TOO GRB A	2	
0051.BDp262606	15	3:29	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0052.BDp262606	15	3:30	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0053.COMP	12	3:31	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0054.BDp262606	18	3:33	14:49:02.3	+25:42:09	300	36	3.0	#56 Spectropho	2	
0055.BDp262606	18	3:33	14:49:02.3	+25:42:09	300	36	3.0	#56 Spectropho	2	
0056.COMP	12	3:34	14:49:02.3	+25:42:09	300	36	3.0	#56 Spectropho	2	
0057.BDp332642	90	3:37	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0058.BDp332642	90	3:38	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	

UT Date 2004-07-07 Observers CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0059.COMP	12	3:40	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0060.BDp332642	70	3:43	15:50:03.0	33:05:49	300	83	3.0	#56 Spectropho	2	
0061.BDp332642	70	3:44	15:50:03.0	33:05:49	300	83	3.0	#56 Spectropho	2	
0062.COMP	12	3:46	15:50:03.0	33:05:49	300	83	3.0	#56 Spectropho	2	
0063.MRK421	300	3:48	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0064.MRK421	300	3:53	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0065.MRK421	300	3:58	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0066.COMP	12	4:03	11:04:27.4	+38:12:32	300	90	3.0	#133 MRK421 an	2	
0067.TXCVn	10	4:05	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0068.TXCVn	30	4:06	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0069.COMP	12	4:07	12:44:42	36:45:48	300	90	3.0	#12 Symbiotic	2	
0070.RWHya	2	4:09	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	lotsa clouds
0071.RWHya	10	4:09	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0072.RWHya	20	4:10	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0073.RWHya	45	4:11	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0074.RWHya	5	4:12	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0075.COMP	12	4:13	13:34:18	-25:22:51	300	90	3.0	#12 Symbiotic	2	
0076.sn2004cu	1200	4:19	14:18:29.8	12:53:3	300	46	3.0	#2 SN Observat	2	row=79
0077.sn2004cu	1200	4:39	14:18:29.8	12:53:3	300	46	3.0	#2 SN Observat	2	
0078.COMP	12	5:00	14:18:29.8	12:53:3	300	46	3.0	#2 SN Observat	2	

UT Date 2004-07-07 Observers CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0079.sn2004ct	1200	5:08	15:43:45.7	28:24:59	300	73	3.0	#2 SN Observat	2	more clouds....
0080.sn2004ct	1200	5:29	15:43:45.7	28:24:59	300	73	3.0	#2 SN Observat	2	
0081.COMP	12	5:49	15:43:45.7	28:24:59	300	73	3.0	#2 SN Observat	2	
0082.TCrB	15	5:51	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0083.TCrB	70	5:52	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0084.COMP	12	5:54	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0085.AGDra	2	5:56	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0086.AGDra	15	5:56	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0087.AGDra	45	5:57	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0088.COMP	12	5:58	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0089.DracoC1	1200	6:00	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0090.COMP	12	6:20	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0091.RSOph	11	6:22	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0092.RSOph	65	6:23	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0093.RSOph	150	6:24	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0094.COMP	12	6:27	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0095.YYHer	10	6:29	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0096.YYHer	90	6:29	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0097.COMP	12	6:33	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0098.V443Her	5	6:34	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	

UT Date 2004-07-07 Observers CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0099.V443Her	45	6:35	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0100.V443Her	90	6:36	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0101.COMP	12	6:38	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0102.BFCyg	2	6:40	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0103.BFCyg	60	6:40	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0104.COMP	12	6:41	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	2	
0105.CHCyg	1	6:43	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0106.CHCyg	5	6:43	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0107.CHCyg	30	6:43	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0108.COMP	12	6:44	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	2	
0109.CICyg	2	6:45	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0110.CICyg	20	6:46	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0111.CICyg	60	6:46	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0112.COMP	12	6:48	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	2	
0113.sn2004cs	960	7:22	17:50:14.3	14:16:59	300	40	3.0	#2 SN Observat	2	row=78, shorten for clouds...
0114.COMP	12	7:42	17:50:14.3	14:16:59	300	40	3.0	#2 SN Observat	2	wait out clouds...
0115.sn2004cs	1200	8:51	17:50:14.3	14:16:59	300	57	3.0	#2 SN Observat	2	
0116.COMP	12	9:12	17:50:14.3	14:16:59	300	57	3.0	#2 SN Observat	2	
0117.3C390.3	300	9:19	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0118.3C390.3	300	9:24	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	

UT Date 2004-07-07 Observers CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0119.3C390.3	300	9:29	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0120.COMP	12	9:35	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0121.MRK509	240	9:38	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0122.MRK509	240	9:42	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0123.COMP	12	9:47	20:44:09.8	-10:43:24	300	90	3.0	#6 AGN Monitor	2	
0124.Akn564	210	9:50	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0125.Akn564	210	9:53	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0126.COMP	12	9:57	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	more clouds...
0127.XS00755B3_010	780	10:41	22:24:11.8	65:46:04	300	90	3.0	#152 ChaMPlane	2	
0128.COMP	12	10:54	22:24:11.8	65:46:04	300	90	3.0	#152 ChaMPlane	2	
0129.XS00755B6_001	120	10:55	22:25:46.5	65:32:28	300	90	3.0	#152 ChaMPlane	2	
0130.COMP	12	10:58	22:25:46.5	65:32:28	300	90	3.0	#152 ChaMPlane	2	
0131.XS00755B6_002	10	10:59	22:26:02.0	65:31:46	300	90	3.0	#152 ChaMPlane	2	
0132.COMP	12	11:00	22:26:02.0	65:31:46	300	90	3.0	#152 ChaMPlane	2	
0133.XS00755B7_001	10	11:01	22:26:35.9	65:35:38	300	90	3.0	#152 ChaMPlane	2	
0134.COMP	12	11:02	22:26:35.9	65:35:38	300	90	3.0	#152 ChaMPlane	2	
0135.N7469	180	11:06	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0136.N7469	180	11:09	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0137.COMP	12	11:13	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0138.MRK335	180	11:14	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	

UT Date 2004-07-07 Observers CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0139.MRK335	180	11:18	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0140.COMP	12	11:21	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0141.ZAnd	2	11:23	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0142.ZAnd	10	11:23	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0143.ZAnd	60	11:24	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0144.COMP	12	11:26	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0145.RAqr	0	11:28	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	fighting clouds...
0146.RAqr	1	11:28	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0147.RAqr	10	11:29	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0148.RAqr	40	11:30	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	clouds fighting back....
0149.RAqr	90	11:31	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0150.COMP	12	11:33	23:43:49	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0151.EGAnd	1	11:35	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0152.EGAnd	5	11:36	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0153.EGAnd	20	11:36	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0154.EGAnd	60	11:37	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	
0155.COMP	12	11:38	0:44:37	40:40:47	300	90	3.0	#12 Symbiotic	2	clouds win....
0156-0165.BIAS	0	11:46	21:48:57.1	28:37:48	300	90	3.0	#2 SN Observat	4	
0166-0175.FLAT	6	11:49	21:48:57.1	28:37:48	300	90	3.0	#2 SN Observat	4	
0176-0185.BIAS	0	11:51	21:48:57.1	28:37:48	300	90	3.0	#2 SN Observat	2	



UT Date 2004-07-07 Observers Calkins

Coll. Focus 1000 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0186-0195.FLAT	12	11:56	21:48:57.1	28:37:48	300	90	3.0	#2 SN Observat	2	
0196-0205.DARK	900	14:15	21:48:57.1	28:37:48	300	90	3.0	#2 SN Observat	2	

UT Date 2004-07-08 Observers HuchraColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	22:14	10:09:45.3	+31:30:57	300	90	3.0	#2 SN Observat	4	
0002.DARK	900	22:29	10:24:55.8	+31:30:59	300	90	3.0	#2 SN Observat	4	
0003.DARK	900	22:44	10:40:03.3	+31:31:01	300	90	3.0	#2 SN Observat	4	
0004.DARK	900	22:59	10:55:13.9	+31:31:03	300	90	3.0	#2 SN Observat	4	
0005.DARK	900	23:14	11:10:21.2	+31:31:04	300	90	3.0	#2 SN Observat	4	
0006.DARK	900	23:29	11:25:32.4	+31:31:06	300	90	3.0	#2 SN Observat	4	
0007-0010.DARK	900	0:30	12:26:09.4	+31:31:07	300	90	3.0	#2 SN Observat	4	
0011-0020.BIAS	0	1:05	12:46:24.6	+31:31:06	300	90	3.0	#2 SN Observat	4	
0021-0030.BIAS	0	1:07	12:48:47.3	+31:31:06	300	90	3.0	#2 SN Observat	2	
0031-0040.FLAT	6	1:18	12:59:38.7	+31:31:06	300	90	3.0	#2 SN Observat	2	
0041-0050.FLAT	6	1:46	13:27:55.1	+31:31:03	300	90	3.0	#2 SN Observat	4	
0051-0060.FLAT	12	1:52	13:33:21.4	+31:31:03	300	90	3.0	#2 SN Observat	2	
0061.Sky	30	2:51	14:28:44.0	+31:30:54	300	90	3.0	#57 Velocity S	4	
0062-0064.Sky	50	2:59	14:28:43.9	+31:30:54	300	90	3.0	#57 Velocity S	4	
0065.COMP	5	3:00	14:28:43.9	+31:30:54	300	90	3.0	#57 Velocity S	4	
0066.BDp262606	15	3:18	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	4	
0067.BDp262606	15	3:19	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	4	
0068.COMP	5	3:20	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	4	
0069.BDp262606	30	3:21	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0070.BDp262606	30	3:22	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	



UT Date 2004-07-08 Observers HuchraColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0071.COMP	5	3:24	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0072.BDp332642	20	3:27	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0073.BDp332642	20	3:27	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0074.COMP	5	3:31	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	2	
0075.BDp332642	20	3:33	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0076.BDp332642	20	3:34	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0077.COMP	5	3:34	15:50:03.0	33:05:49	300	90	3.0	#56 Spectropho	4	
0078.MRK421	300	3:37	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0079.MRK421	300	3:42	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0080.COMP	5	3:48	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0081.MRK501	300	3:51	16:53:52.1	39:45:36	300	90	3.0	#6 AGN Monitor	4	
0082.COMP	5	3:56	16:53:52.1	39:45:36	300	90	3.0	#6 AGN Monitor	4	
0083.2M12011882+5328265	720	4:00	12:1:18.8	+53:28:26	300	90	3.0	#68 2MASS Reds	4	
0084.COMP	5	4:13	12:1:18.8	+53:28:26	300	90	3.0	#68 2MASS Reds	4	
0085.2M12064518+4844516	600	4:14	12:6:45.1	+48:44:51	300	90	3.0	#68 2MASS Reds	4	
0086.COMP	5	4:25	12:6:45.1	+48:44:51	300	90	3.0	#68 2MASS Reds	4	
0087.2M12184014+4852460	600	4:26	12:18:40.1	+48:52:46	300	90	3.0	#68 2MASS Reds	4	
0088.COMP	5	4:37	12:18:40.1	+48:52:46	300	90	3.0	#68 2MASS Reds	4	
0089.2M12192696+6842398	480	4:39	12:19:26.9	+68:42:39	300	90	3.0	#68 2MASS Reds	4	
0090.COMP	5	4:48	12:19:26.9	+68:42:39	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-07-08 Observers HuchraColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0091.2M12201486+7401564	600	4:49	12:20:14.8	+74:01:56	300	90	3.0	#68 2MASS Reds	4	
0092.COMP	5	5:00	12:20:14.8	+74:01:56	300	90	3.0	#68 2MASS Reds	4	
0093.2M12201486+7401564	540	5:01	12:20:14.8	+74:01:56	300	90	3.0	#68 2MASS Reds	4	
0094.COMP	5	5:10	12:20:14.8	+74:01:56	300	90	3.0	#68 2MASS Reds	4	
0095.2M12200292+5548557	780	5:12	12:20:2.9	+55:48:55	300	90	3.0	#68 2MASS Reds	4	
0096.COMP	5	5:25	12:20:2.9	+55:48:55	300	90	3.0	#68 2MASS Reds	4	
0097.sn2004ct	1200	5:38	15:43:45.7	28:24:59	300	90	3.0	#2 SN Observat	2	
0098.COMP	10	5:58	15:43:45.7	28:24:59	300	90	3.0	#2 SN Observat	2	
0099.2M13364660+4350292N	720	6:05	13:36:46.6	+43:50:29	300	90	3.0	#68 2MASS Reds	4	
0100.COMP	5	6:18	13:36:46.6	+43:50:29	300	90	3.0	#68 2MASS Reds	4	
0101.2M13364660+4350292S	780	6:19	13:36:46.6	+43:50:29	300	90	3.0	#68 2MASS Reds	4	
0102.COMP	5	6:33	13:36:46.6	+43:50:29	300	90	3.0	#68 2MASS Reds	4	
0103.2M13364660+4350292S	900	6:41	13:36:46.6	+43:50:29	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-07-09 Observers HuchraColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0020.BIAS	0	2:49	21:30:12.0	+12:1:00	300	90	3.0	#68 2MASS Reds	4	
0021-0030.FLAT	8	2:52	21:30:12.0	+12:1:00	300	90	3.0	#68 2MASS Reds	4	
0031-0040.BIAS	0	2:54	21:30:12.0	+12:1:00	300	90	3.0	#68 2MASS Reds	2	
0041-0050.FLAT	16	3:00	21:30:12.0	+12:1:00	300	90	3.0	#68 2MASS Reds	2	
0051.Sky	30	3:07	13:00:00.0	32:00:00	300	90	3.0	#68 2MASS Reds	2	
0052-0054.Sky	60	3:13	13:00:00.0	32:00:00	300	90	3.0	#68 2MASS Reds	2	
0055.COMP	5	3:14	13:00:00.0	32:00:00	300	90	3.0	#68 2MASS Reds	2	
0056.BDp262606	30	3:31	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0058.BDp262606	30	3:33	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0059.BDp262606	20	3:34	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	4	
0060.BDp262606	20	3:34	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	4	
0061.COMP	5	3:35	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	4	
0062.COMP	10	3:36	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0063.Feige98	60	3:37	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	2	
0064.COMP	10	3:39	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	2	
0065.Feige98	60	3:39	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	4	
0066.COMP	5	3:41	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	4	
0067.N4486B	360	3:43	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0068.COMP	5	3:50	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0069.N5548	240	3:54	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	



UT Date 2004-07-09 Observers Huchra

Coll. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0070.N5548	240	3:58	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0071.COMP	5	4:02	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0072-0081.BIAS	0	12:00	12:20:18.1	+57:52:7	300	90	3.0	#56 Spectropho	4	
0082-0086.DARK	600	13:08	12:20:18.1	+57:52:7	300	90	3.0	#56 Spectropho	4	

UT Date 2004-07-10 Observers HuchraColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	1:32	12:20:18.1	+57:52:7	300	90	3.0	#56 Spectropho	4	
0011-0014.DARK	600	2:16	12:20:18.1	+57:52:7	300	90	3.0	#56 Spectropho	4	
0015-0029.BIAS	0	2:53	12:20:18.1	+57:52:7	300	90	3.0	#56 Spectropho	4	
0030-0039.FLAT	8	2:57	12:20:18.1	+57:52:7	300	90	3.0	#56 Spectropho	4	
0040-0049.BIAS	0	2:59	12:20:18.1	+57:52:7	300	90	3.0	#56 Spectropho	2	
0050-0059.FLAT	16	3:04	12:20:18.1	+57:52:7	300	90	3.0	#56 Spectropho	2	
0060-0063.Sky	120	3:22	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0064.COMP	5	3:26	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0065.BDp262606	30	3:27	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0066.BDp262606	30	3:28	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0067.COMP	10	3:30	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0068.BDp262606	30	3:31	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	4	
0069.COMP	5	3:32	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	4	
0070.Feige98	30	3:33	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	4	
0071.Feige98	30	3:34	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	4	
0072.COMP	5	3:37	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	4	
0073.N5548	300	3:40	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0074.N5548	300	3:45	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0075.COMP	5	3:50	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0076.2M13032751+5331556	720	4:08	13:3:27.5	+53:31:55	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-07-10 Observers HuchraColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0077.2M13032751+5331556	900	4:21	13:3:27.5	+53:31:55	300	90	3.0	#68 2MASS Reds	4	
0078.COMP	5	4:37	13:3:27.5	+53:31:55	300	90	3.0	#68 2MASS Reds	4	
0079.2M13040455+4927281	600	4:39	13:4:4.5	+49:27:28	300	90	3.0	#68 2MASS Reds	4	
0080.COMP	5	4:51	13:4:4.5	+49:27:28	300	90	3.0	#68 2MASS Reds	4	
0081.2M13064105+6957346	480	4:53	13:6:41.0	+69:57:34	300	90	3.0	#68 2MASS Reds	4	
0082.COMP	5	5:02	13:6:41.0	+69:57:34	300	90	3.0	#68 2MASS Reds	4	
0083.2M12582796+7815165	480	5:05	12:58:27.9	+78:15:16	300	90	3.0	#68 2MASS Reds	4	
0084.COMP	5	5:13	12:58:27.9	+78:15:16	300	90	3.0	#68 2MASS Reds	4	
0085.2M13163400+5125557	429	5:15	13:16:34.0	+51:25:55	300	90	3.0	#68 2MASS Reds	4	
0086.COMP	5	5:24	13:16:34.0	+51:25:55	300	90	3.0	#68 2MASS Reds	4	
0087.2M13265676+4449161	420	5:25	13:26:56.7	+44:49:16	300	90	3.0	#68 2MASS Reds	4	
0088.COMP	5	5:33	13:26:56.7	+44:49:16	300	90	3.0	#68 2MASS Reds	4	
0089.2M13430918+6052095	300	5:34	13:43:9.1	+60:52:9	300	90	3.0	#68 2MASS Reds	4	
0090.COMP	5	5:40	13:43:9.1	+60:52:9	300	90	3.0	#68 2MASS Reds	4	
0091.2M13471962+7240466	720	5:41	13:47:19.6	+72:40:46	300	90	3.0	#68 2MASS Reds	4	
0092.COMP	5	5:55	13:47:19.6	+72:40:46	300	90	3.0	#68 2MASS Reds	4	
0093.2M18131758-0113069	900	6:00	18:13:17.5	-01:13:06	300	90	3.0	#68 2MASS Reds	4	
0094.COMP	5	6:16	18:13:17.5	-01:13:06	300	90	3.0	#68 2MASS Reds	4	
0095.2M18131758-0113069	1200	6:17	18:13:17.5	-01:13:06	300	90	3.0	#68 2MASS Reds	4	
0096.COMP	5	6:38	18:13:17.5	-01:13:06	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-07-10 Observers HuchraColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0097.2M18131758-0113069	1200	6:46	18:13:17.5	-01:13:06	300	90	3.0	#68 2MASS Reds	4	
0098.COMP	5	7:07	18:13:17.5	-01:13:06	300	90	3.0	#68 2MASS Reds	4	
0099.2M18015264-0425326	1200	7:15	18:1:52.6	-04:25:32	300	90	3.0	#68 2MASS Reds	4	
0100.COMP	5	7:36	18:1:52.6	-04:25:32	300	90	3.0	#68 2MASS Reds	4	
0101.2M18015264-0425326	1200	7:37	18:1:52.6	-04:25:32	300	90	3.0	#68 2MASS Reds	4	
0102.COMP	5	7:58	18:1:52.6	-04:25:32	300	90	3.0	#68 2MASS Reds	4	
0103.2M18141645+0018341	1200	8:01	18:14:16.4	+00:18:34	300	90	3.0	#68 2MASS Reds	4	
0104.COMP	5	8:22	18:14:16.4	+00:18:34	300	90	3.0	#68 2MASS Reds	4	
0105.2M18141645+0018341	1200	8:23	18:14:16.4	+00:18:34	300	90	3.0	#68 2MASS Reds	4	
0106.COMP	5	8:44	18:14:16.4	+00:18:34	300	90	3.0	#68 2MASS Reds	4	
0107.sn2004cs	1200	8:51	17:50:14.3	14:16:59	300	90	3.0	#2 SN Observat	2	
0108.COMP	10	9:14	17:50:14.3	14:16:59	300	90	3.0	#2 SN Observat	2	
0109.BDp284211	20	9:25	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0110.BDp284211	20	9:26	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0111.COMP	10	9:26	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0112.BDp284211	20	9:27	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0113.BDp284211	20	9:28	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0114.COMP	5	9:29	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0115.2M21465488+3903124	480	9:34	21:46:54.8	+39:3:12	300	90	3.0	#68 2MASS Reds	4	
0116.COMP	5	9:43	21:46:54.8	+39:3:12	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-07-10 Observers HuchraColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0117.2M21044908+5951470	1200	9:49	21:4:49.0	+59:51:47	300	90	3.0	#68 2MASS Reds	4	
0118.sn2004da	900	10:21	20:22:21.2	+06:25:50	300	90	3.0	#2 SN Observat	2	
0119.COMP	10	10:37	20:22:21.2	+06:25:50	300	90	3.0	#2 SN Observat	2	
0120.ssm7377	1200	10:44	22:47:55.8	-22:19:40	300	90	3.0	#2 SN Observat	2	
0121.COMP	10	11:05	22:47:55.8	-22:19:40	300	90	3.0	#2 SN Observat	2	
0122.BDp174708	30	11:09	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0123.BDp174708	30	11:10	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0124.COMP	10	11:11	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	2	
0125.BDp174708	30	11:12	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0126.BDp174708	30	11:12	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0127.COMP	5	11:14	22:11:31.4	18:05:34	300	90	3.0	#56 Spectropho	4	
0128.2M21522931+1224412	360	11:15	21:52:29.3	+12:24:41	300	90	3.0	#68 2MASS Reds	4	
0129.COMP	5	11:22	21:52:29.3	+12:24:41	300	90	3.0	#68 2MASS Reds	4	
0130-0139.BIAS	0	11:25	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	4	
0140-0149.FLAT	8	11:28	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	4	
0150-0159.BIAS	0	11:31	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	2	
0160-0169.FLAT	16	11:36	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	2	
0170-0179.DARK	900	14:10	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	4	
0180-0189.DARK	900	16:42	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	2	



UT Date 2004-07-11 Observers HuchraColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.BIAS	0	0:42	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	4	
0006-0010.DARK	600	1:26	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	4	
0011.BIAS	0	1:39	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	2	binby2
0012-0015.BIAS	0	1:40	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	2	
0016.DARK	600	1:40	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	2	binby2
0017-0020.DARK	600	2:21	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	2	
0021-0030.BIAS	0	2:38	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	4	
0031-0040.FLAT	8	2:41	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	4	
0041-0050.BIAS	0	2:43	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	2	
0051-0060.FLAT	16	2:49	21:52:29.3	+12:24:41	300	90	3.0	#56 Spectropho	2	
0061.BDp262606	30	3:40	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0062.BDp262606	30	3:41	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0063.COMP	10	3:42	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	2	
0064.BDp262606	30	3:43	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	4	
0065.COMP	5	3:44	14:49:02.3	+25:42:09	300	90	3.0	#56 Spectropho	4	
0066.Feige98	60	3:46	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	4	
0067.COMP	5	3:47	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	4	
0068.Feige98	60	3:48	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	2	
0069.COMP	10	3:52	14:36:04.1	27:42:28	300	90	3.0	#56 Spectropho	2	
0070.N5548	240	3:54	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	

UT Date 2004-07-11 Observers HuchraColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0071.N5548	240	3:58	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0072.COMP	5	4:03	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	4	
0073.N4151	40	4:05	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0074.N4151	40	4:06	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0075.COMP	5	4:08	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0076.N5846	300	4:11	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	4	
0077.COMP	5	4:17	15:03:56.9	+01:47:53	300	90	3.0	#57 Velocity S	4	
0078.2M12201810+5752077	420	4:20	12:20:18.1	+57:52:7	300	90	3.0	#68 2MASS Reds	4	
0079.COMP	5	4:27	12:20:18.1	+57:52:7	300	90	3.0	#68 2MASS Reds	4	
0080.2M12204454+5236173	360	4:29	12:20:44.5	+52:36:17	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	4:35	12:20:44.5	+52:36:17	300	90	3.0	#68 2MASS Reds	4	
0082.2M12253899+5542288	240	4:40	12:25:38.9	+55:42:28	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	4:44	12:25:38.9	+55:42:28	300	90	3.0	#68 2MASS Reds	4	
0084.2M12265661+5746134	180	4:45	12:26:56.6	+57:46:13	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	4:49	12:26:56.6	+57:46:13	300	90	3.0	#68 2MASS Reds	4	
0086.2M14430247+2329099NW	240	4:54	14:43:2.4	+23:29:9	300	90	3.0	#68 2MASS Reds	4	
0087.COMP	5	4:58	14:43:2.4	+23:29:9	300	90	3.0	#68 2MASS Reds	4	
0088.2M14430247+2329099SE	240	4:59	14:43:2.4	+23:29:9	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	5:04	14:43:2.4	+23:29:9	300	90	3.0	#68 2MASS Reds	4	
0090.2M14375402+1551490	400	5:06	14:37:54.0	+15:51:49	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-07-11 Observers HuchraColl. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0091.COMP	5	5:13	14:37:54.0	+15:51:49	300	90	3.0	#68 2MASS Reds	4	
0092-0096.BIAS	0	10:54	14:49:40.7	+35:41:25	300	90	3.0	#68 2MASS Reds	4	
0097.DARK	600	10:58	14:49:40.7	+35:41:25	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-07-12 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	3:27	15:24:20.7	+31:30:41	300	90	3.0	#68 2MASS Reds	4	
0011.FLAT	8	3:27	15:24:42.7	+31:30:41	300	90	3.0	#68 2MASS Reds	4	rain, clouds, clearing later
0012-0018.FLAT	8	3:29	15:27:05.5	+31:30:41	300	90	3.0	#68 2MASS Reds	4	
0019-0020.FLAT	8	3:30	15:27:44.8	+31:30:40	300	90	3.0	#68 2MASS Reds	4	
0021-0030.BIAS	0	3:32	15:29:58.7	+31:30:40	300	90	3.0	#68 2MASS Reds	2	
0031.FLAT	16	3:33	15:30:34.0	+31:30:40	300	90	3.0	#68 2MASS Reds	2	
0032-0038.FLAT	16	3:37	15:34:41.3	+31:30:39	300	90	3.0	#68 2MASS Reds	2	
0039-0040.FLAT	16	3:38	15:35:54.4	+31:30:38	300	90	3.0	#68 2MASS Reds	2	
0041.DARK	900	3:39	15:52:11.5	+31:30:34	300	90	3.0	#68 2MASS Reds	2	do not use these darks
0042.DARK	900	3:55	16:07:27.0	+31:30:30	300	90	3.0	#68 2MASS Reds	2	
0043.DARK	900	4:10	16:22:42.5	+31:30:25	300	90	3.0	#68 2MASS Reds	2	
0044.DARK	900	4:25	16:37:58.0	+31:30:20	300	90	3.0	#68 2MASS Reds	2	
0045.DARK	900	4:40	16:53:13.2	+31:30:16	300	90	3.0	#68 2MASS Reds	2	
0046.DARK	900	4:55	17:08:25.2	+31:30:11	300	90	3.0	#68 2MASS Reds	2	
0047.DARK	900	5:11	17:23:40.7	+31:30:06	300	90	3.0	#68 2MASS Reds	2	
0048.DARK	900	5:26	17:38:55.8	+31:30:01	300	90	3.0	#68 2MASS Reds	2	
0049.DARK	900	5:41	17:54:11.3	+31:29:56	300	90	3.0	#68 2MASS Reds	2	
0050.DARK	900	5:56	18:09:26.6	+31:29:50	300	90	3.0	#68 2MASS Reds	2	
0051.MRK501	210	6:41	16:53:52.1	39:45:36	300	102	3.0	#6 AGN Monitor	4	
0052.MRK501	210	6:45	16:53:52.1	39:45:36	300	102	3.0	#6 AGN Monitor	4	

UT Date 2004-07-12 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0053.COMP	5	6:49	16:53:52.1	39:45:36	300	102	3.0	#6 AGN Monitor	4	
0054.155100+12060	600	6:50	15:53:23.2	+11:57:32	300	90	3.0	#84f Updated Z	4	
0055.COMP	5	7:00	15:53:23.2	+11:57:32	300	90	3.0	#84f Updated Z	4	
0056.155542+16290	900	7:01	15:58:02.8	+16:20:47	300	90	3.0	#84f Updated Z	4	
0057.COMP	5	7:16	15:58:02.8	+16:20:47	300	90	3.0	#84f Updated Z	4	
0058.161500+81260	600	7:18	16:11:17.2	+81:18:30	300	90	3.0	#84f Updated Z	4	
0059.COMP	5	7:29	16:11:17.2	+81:18:30	300	90	3.0	#84f Updated Z	4	
0060.IRAS1750+508	900	7:31	17:51:16.6	+50:45:38	300	110	3.0	#151 AGN Emiss	2	
0061.COMP	10	7:47	17:51:16.6	+50:45:38	300	110	3.0	#151 AGN Emiss	2	
0062.H1821+643	720	7:49	18:21:57.2	+64:20:36	300	110	3.0	#151 AGN Emiss	2	
0063.COMP	10	8:01	18:21:57.2	+64:20:36	300	110	3.0	#151 AGN Emiss	2	
0064.HD192281	5	8:03	20:10:46.8	40:07:01	300	0	3.0	#56 Spectropho	2	
0065.HD192281	5	8:04	20:10:46.8	40:07:01	300	0	3.0	#56 Spectropho	2	
0066.HD192281	5	8:04	20:10:46.8	40:07:01	300	0	3.0	#56 Spectropho	2	
0067.HD192281	5	8:04	20:10:46.8	40:07:01	300	0	3.0	#56 Spectropho	2	
0068.HD192281	5	8:04	20:10:46.8	40:07:01	300	0	3.0	#56 Spectropho	2	
0069.COMP	10	8:05	20:10:46.8	40:07:01	300	0	3.0	#56 Spectropho	2	
0070.BDp404032	90	8:06	20:06:40.0	41:06:15	300	0	3.0	#56 Spectropho	2	
0071.COMP	10	8:08	20:06:40.0	41:06:15	300	0	3.0	#56 Spectropho	2	
0072.2M17121130+4028082	240	8:10	17:12:11.3	+40:28:8	300	0	3.0	#68 2MASS Reds	4	

UT Date 2004-07-12 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0073.COMP	5	8:14	17:12:11.3	+40:28:8	300	0	3.0	#68 2MASS Reds	4	
0074.2M17151546+4827323	240	8:15	17:15:15.4	+48:27:32	300	0	3.0	#68 2MASS Reds	4	
0075.COMP	5	8:20	17:15:15.4	+48:27:32	300	0	3.0	#68 2MASS Reds	4	
0076.2M17172016+4052168	600	8:21	17:17:20.1	+40:52:16	300	0	3.0	#68 2MASS Reds	4	
0077.COMP	5	8:31	17:17:20.1	+40:52:16	300	0	3.0	#68 2MASS Reds	4	
0078.Mkn509	240	8:33	20:44:09.7	-10:43:24	300	0	3.0	#151 AGN Emiss	2	
0079.Mkn509	240	8:37	20:44:09.7	-10:43:24	300	0	3.0	#151 AGN Emiss	2	
0080.COMP	10	8:41	20:44:09.7	-10:43:24	300	0	3.0	#151 AGN Emiss	2	
0081.H2106-099	420	8:43	21:09:09.9	-09:40:14	300	-5	3.0	#151 AGN Emiss	2	
0082.H2106-099	420	8:50	21:09:09.9	-09:40:14	300	-5	3.0	#151 AGN Emiss	2	
0083.COMP	10	8:57	21:09:09.9	-09:40:14	300	-5	3.0	#151 AGN Emiss	2	
0084.XS00755B7_011	180	9:01	22:26:08.7	65:32:16	300	90	3.0	#152 ChaMPlane	4	
0085.COMP	5	9:05	22:26:08.7	65:32:16	300	90	3.0	#152 ChaMPlane	4	
0086.XS00755B7_010	900	9:06	22:26:10.8	65:39:33	300	90	3.0	#152 ChaMPlane	4	
0087.COMP	5	9:22	22:26:10.8	65:39:33	300	90	3.0	#152 ChaMPlane	4	
0088.XS00755B7_022	120	9:23	22:25:41.4	65:37:47	300	90	3.0	#152 ChaMPlane	4	
0089.COMP	5	9:25	22:25:41.4	65:37:47	300	90	3.0	#152 ChaMPlane	4	
0090.XS02787B0_005	540	9:27	22:29:47.7	61:12:29	300	90	3.0	#152 ChaMPlane	4	
0091.COMP	5	9:36	22:29:47.7	61:12:29	300	90	3.0	#152 ChaMPlane	4	
0092.XS02787B1_006	90	9:37	22:29:29.2	61:04:55	300	90	3.0	#152 ChaMPlane	4	

UT Date 2004-07-12 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0093.COMP	5	9:39	22:29:29.2	61:04:55	300	90	3.0	#152 ChaMPlane	4	
0094.BDp284211	90	9:40	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0095.BDp284211	90	9:42	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0096.COMP	10	9:44	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0097.sn2004cy	240	9:50	21:34:25.6	-33:23:13	300	0	3.0	#2 SN Observat	2	no sn
0098.COMP	10	9:55	21:34:25.6	-33:23:13	300	0	3.0	#2 SN Observat	2	
0099.XS02787B1_008	900	10:01	22:28:58.7	61:06:08	300	90	3.0	#152 ChaMPlane	4	
0100.COMP	5	10:16	22:28:58.7	61:06:08	300	90	3.0	#152 ChaMPlane	4	
0101.XS02787B2_015	540	10:17	22:29:09.2	61:21:49	300	90	3.0	#152 ChaMPlane	4	
0102.COMP	5	10:26	22:29:09.2	61:21:49	300	90	3.0	#152 ChaMPlane	4	
0103.XS02787B2_017	60	10:27	22:29:01.6	61:19:46	300	90	3.0	#152 ChaMPlane	4	
0104.COMP	5	10:28	22:29:01.6	61:19:46	300	90	3.0	#152 ChaMPlane	4	
0105.XS02787B3_017	660	10:30	22:27:57.4	61:15:06	300	90	3.0	#152 ChaMPlane	4	
0106.COMP	5	10:41	22:27:57.4	61:15:06	300	90	3.0	#152 ChaMPlane	4	
0107.XS02787B3_028	480	10:41	22:28:06.8	61:15:56	300	90	3.0	#152 ChaMPlane	4	
0108.COMP	5	10:50	22:28:06.8	61:15:56	300	90	3.0	#152 ChaMPlane	4	
0109.XS02810B0_003	120	10:51	23:58:41.7	62:34:37	300	90	3.0	#152 ChaMPlane	4	
0110.COMP	5	10:53	23:58:41.7	62:34:37	300	90	3.0	#152 ChaMPlane	4	
0111.XS02810B0_018	660	10:54	23:58:38.9	62:32:37	300	90	3.0	#152 ChaMPlane	4	
0112.COMP	5	11:05	23:58:38.9	62:32:37	300	90	3.0	#152 ChaMPlane	4	

UT Date 2004-07-12 Observers P BerlindColl. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0113.XS02810B2_007	210	11:06	23:58:50.0	62:26:32	300	90	3.0	#152 ChaMPlane	4	
0114.COMP	5	11:10	23:58:50.0	62:26:32	300	90	3.0	#152 ChaMPlane	4	
0115.Akn564	210	11:11	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0116.Akn564	210	11:14	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0117.COMP	5	11:18	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0118-0127.BIAS	0	11:30	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	4	
0128-0137.FLAT	8	11:33	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	4	
0138-0147.BIAS	0	11:36	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	2	
0148-0157.FLAT	16	11:41	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	2	
0158-0167.DARK	900	14:00	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	4	
0168-0177.DARK	900	16:32	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	2	



UT Date 2004-07-13 Observers P BerlindColl. Focus 1020 Grating/Grism 300

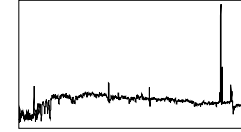
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	23:35	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	4	
0011-0020.DARK	900	2:08	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	2	
0021.BIAS	0	6:12	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	4	thunderstorms...
0022-0030.BIAS	0	6:13	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	4	
0031-0040.FLAT	8	6:17	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	4	
0041-0050.BIAS	0	6:19	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	2	
0051-0060.FLAT	16	6:25	22:34:46.9	+34:09:43	300	90	3.0	#151 AGN Emiss	2	
0061.Mkn290	900	6:29	15:35:52.4	+57:54:09	300	110	3.0	#151 AGN Emiss	2	
0062.COMP	10	6:44	15:35:52.4	+57:54:09	300	110	3.0	#151 AGN Emiss	2	
0063.NGC6240	900	6:47	16:52:58.9	+02:24:04	300	15	3.0	#151 AGN Emiss	2	
0064.COMP	10	7:03	16:52:58.9	+02:24:04	300	15	3.0	#151 AGN Emiss	2	
0065.BDp332642	90	7:05	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	2	
0066.BDp332642	90	7:07	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	2	
0067.COMP	10	7:09	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	2	
0068.2M18131810-0041379	1800	7:12	18:13:18.1	-00:41:37	300	90	3.0	#68 2MASS Reds	2	
0069.COMP	10	7:43	18:13:18.1	-00:41:37	300	90	3.0	#68 2MASS Reds	2	
0070.2M17281833+5018233	420	7:50	17:28:18.3	+50:18:23	300	90	3.0	#68 2MASS Reds	4	
0071.COMP	5	7:57	17:28:18.3	+50:18:23	300	90	3.0	#68 2MASS Reds	4	
0072.2M17294011+4016134	600	7:59	17:29:40.1	+40:16:13	300	90	3.0	#68 2MASS Reds	4	
0073.COMP	5	8:09	17:29:40.1	+40:16:13	300	90	3.0	#68 2MASS Reds	4	

UT Date 2004-07-13 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0074.2M17485811+5509125	780	8:10	17:48:58.1	+55:09:12	300	90	3.0	#68 2MASS Reds	4	
0075.COMP	5	8:24	17:48:58.1	+55:09:12	300	90	3.0	#68 2MASS Reds	4	
0076.202424-02250	240	8:28	20:26:55.8	-02:16:40	300	10	3.0	#84f Updated Z	2	beware bright star at row 106
0077.COMP	10	8:32	20:26:55.8	-02:16:40	300	10	3.0	#84f Updated Z	2	rotated to avoid superposed star
0078.2M20544822-0838571	420	8:36	20:54:48.2	-08:38:57	300	90	3.0	#68 2MASS Reds	4	
0079.COMP	5	8:43	20:54:48.2	-08:38:57	300	90	3.0	#68 2MASS Reds	4	
0080.2M21055568-1037412	240	8:44	21:5:55.6	-10:37:41	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	8:48	21:5:55.6	-10:37:41	300	90	3.0	#68 2MASS Reds	4	
0082.2M21073009-1019315	240	8:49	21:7:30.0	-10:19:31	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	8:53	21:7:30.0	-10:19:31	300	90	3.0	#68 2MASS Reds	4	
0084.2M21081595-1012582	540	8:54	21:8:15.9	-10:12:58	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	9:03	21:8:15.9	-10:12:58	300	90	3.0	#68 2MASS Reds	4	
0086.2M21102827-0905327	720	9:14	21:10:28.2	-09:05:32	300	90	3.0	#68 2MASS Reds	4	
0087.COMP	5	9:27	21:10:28.2	-09:05:32	300	90	3.0	#68 2MASS Reds	4	
0088.BDp284211	90	9:29	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0089.BDp284211	90	9:31	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0090.COMP	10	9:33	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0091.XS02810B2_016	900	9:35	23:58:18.1	62:25:12	300	90	3.0	#152 ChaMPlane	2	
0092.COMP	10	9:51	23:58:18.1	62:25:12	300	90	3.0	#152 ChaMPlane	2	
0093.XS02810B3_007	900	9:53	23:59:45.9	62:25:38	300	90	3.0	#152 ChaMPlane	2	

UT Date 2004-07-13 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0094.COMP	10	10:08	23:59:45.9	62:25:38	300	90	3.0	#152 ChaMPlane	2	
0095.XS02810B6_001	900	10:09	23:58:39.8	62:14:16	300	90	3.0	#152 ChaMPlane	2	
0096.COMP	10	10:25	23:58:39.8	62:14:16	300	90	3.0	#152 ChaMPlane	2	
0097.XS02810B3_019	1200	10:26	23:59:51.6	62:21:57	300	90	3.0	#152 ChaMPlane	2	clouds
0098.COMP	10	10:46	23:59:51.6	62:21:57	300	90	3.0	#152 ChaMPlane	2	
0099-0108.BIAS	0	10:52	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	4	
0109-0118.FLAT	8	10:56	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	4	
0119-0128.BIAS	0	10:58	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	2	
0129-0138.FLAT	16	11:04	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	2	

UT Date 2004-07-14 Observers P BerlindColl. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0001-0010.DARK	900	0:10	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	4	
0011-0020.DARK	900	2:43	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	2	
0021-0030.BIAS	0	3:00	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	4	
0031-0040.FLAT	8	3:03	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	4	
0041-0050.BIAS	0	3:05	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	2	
0051-0060.FLAT	16	3:11	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	2	

UT Date 2004-07-15 Observers P BerlindColl. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0001-0010.BIAS	0	1:19	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	4	
0011-0020.FLAT	8	1:22	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	4	
0021-0030.BIAS	0	1:24	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	2	
0031-0040.FLAT	16	1:30	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	2	
0041-0046.DARK	900	2:51	01:09:14.2	+32:09:13	300	90	3.0	#151 AGN Emiss	4	
0047.BDp284211	60	10:20	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	open after 3
0048.BDp284211	60	10:21	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0049.COMP	10	10:23	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0050.XS02810B3_018	480	10:28	23:59:57.6	62:22:10	300	90	3.0	#152 ChaMPlane	4	stopped by clouds
0051.COMP	5	10:37	23:59:57.6	62:22:10	300	90	3.0	#152 ChaMPlane	4	

UT Date 2004-07-16 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	1:37	14:05:10.6	+31:30:58	300	90	3.0	#152 ChaMPlane	4	
0002.DARK	900	1:52	14:20:18.0	+31:30:55	300	90	3.0	#152 ChaMPlane	4	
0003.DARK	900	2:07	14:35:28.9	+31:30:52	300	90	3.0	#152 ChaMPlane	4	
0004.DARK	900	2:22	14:50:36.1	+31:30:49	300	90	3.0	#152 ChaMPlane	4	
0005.DARK	900	2:37	15:05:47.1	+31:30:45	300	90	3.0	#152 ChaMPlane	4	
0006.DARK	900	2:53	15:20:54.2	+31:30:42	300	90	3.0	#152 ChaMPlane	4	
0007.DARK	900	3:08	15:36:05.1	+31:30:38	300	90	3.0	#152 ChaMPlane	4	
0008.DARK	900	3:23	15:51:15.8	+31:30:34	300	90	3.0	#152 ChaMPlane	4	
0009.DARK	900	3:38	16:06:22.8	+31:30:29	300	90	3.0	#152 ChaMPlane	4	
0010.DARK	900	3:53	16:21:33.8	+31:30:25	300	90	3.0	#152 ChaMPlane	4	
0011-0013.BIAS	0	4:08	16:21:55.7	+31:30:25	300	90	3.0	#151 AGN Emiss	4	
0014-0020.BIAS	0	4:09	16:22:43.5	+31:30:24	300	90	3.0	#151 AGN Emiss	4	
0021-0030.FLAT	6	4:12	16:25:15.1	+31:30:24	300	90	3.0	#151 AGN Emiss	4	
0031-0040.BIAS	0	4:14	16:27:43.0	+31:30:23	300	90	3.0	#151 AGN Emiss	2	
0041.FLAT	12	4:15	16:28:34.5	+31:30:23	300	90	3.0	#151 AGN Emiss	2	
0042-0049.FLAT	12	4:18	16:31:46.2	+31:30:22	300	90	3.0	#151 AGN Emiss	2	
0050.FLAT	12	4:18	16:32:11.9	+31:30:21	300	90	3.0	#151 AGN Emiss	2	
0051.BDp262606	15	4:32	14:49:02.3	+25:42:09	300	70	3.0	#56 Spectropho	2	
0052.BDp262606	15	4:33	14:49:02.3	+25:42:09	300	70	3.0	#56 Spectropho	2	
0053.COMP	12	4:33	14:49:02.3	+25:42:09	300	70	3.0	#56 Spectropho	2	

UT Date 2004-07-16 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0054.BDp332642	90	4:35	15:50:03.0	33:05:49	300	85	3.0	#56 Spectropho	2	
0055.BDp332642	90	4:37	15:50:03.0	33:05:49	300	85	3.0	#56 Spectropho	2	
0056.COMP	12	4:39	15:50:03.0	33:05:49	300	85	3.0	#56 Spectropho	2	
0057.sn2004ct	1200	4:45	15:43:45.7	28:24:59	300	74	3.0	#2 SN Observat	2	
0058.sn2004ct	1200	5:06	15:43:45.7	28:24:59	300	74	3.0	#2 SN Observat	2	
0059.COMP	12	5:26	15:43:45.7	28:24:59	300	74	3.0	#2 SN Observat	2	
0060.152342p18150.b	1200	5:33	15:26:1.3	18:7:15	300	-3	3.0	#113 Interacti	2	
0061.152342p18150.b	480	5:53	15:26:1.3	18:7:15	300	-3	3.0	#113 Interacti	2	shorten for clouds
0062.COMP	12	6:02	15:26:1.3	18:7:15	300	-3	3.0	#113 Interacti	2	
0063.2M16062329+0212491	300	6:18	16:6:23.2	+02:12:49	300	90	3.0	#68 2MASS Reds	2	shorten for clouds
0064.COMP	12	6:24	16:6:23.2	+02:12:49	300	90	3.0	#68 2MASS Reds	2	

UT Date 2004-07-17 Observers M CalkinsColl. Focus 1020 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	22:47	11:18:25.2	+31:31:06	300	90	3.0	#68 2MASS Reds	4	
0002-0006.DARK	900	0:02	12:34:09.7	+31:31:07	300	90	3.0	#68 2MASS Reds	4	
0007.DARK	900	0:17	12:49:20.6	+31:31:06	300	90	3.0	#68 2MASS Reds	4	
0008.DARK	900	0:33	13:04:28.1	+31:31:05	300	90	3.0	#68 2MASS Reds	4	
0009.DARK	900	0:48	13:19:38.8	+31:31:04	300	90	3.0	#68 2MASS Reds	4	
0010.DARK	900	1:03	13:34:46.4	+31:31:02	300	90	3.0	#68 2MASS Reds	4	
0011-0020.BIAS	0	3:06	15:23:27.1	+31:30:41	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	6	3:10	15:26:00.0	+31:30:40	300	90	3.0	#56 Spectropho	4	
0031-0035.BIAS	0	3:11	15:28:44.2	+31:30:40	300	90	3.0	#56 Spectropho	2	
0036-0040.BIAS	0	3:12	15:29:49.1	+31:30:39	300	90	3.0	#56 Spectropho	2	
0041.FLAT	12	3:14	15:31:20.0	+31:30:39	300	90	3.0	#56 Spectropho	2	storms in area
0042-0043.FLAT	12	3:15	15:32:08.0	+31:30:39	300	90	3.0	#56 Spectropho	2	
0044-0050.FLAT	12	3:17	15:35:01.0	+31:30:38	300	90	3.0	#56 Spectropho	2	
0051.hs2818	720	6:40	16:09:31.3	70:22:10	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=440, through clouds
0052.COMP	10	6:52	16:09:31.3	70:22:10	600	90	2.0	#122 Halo Star	4	
0053.hs2831	300	6:54	16:15:34.3	72:47:54	600	90	2.0	#122 Halo Star	4	
0054.COMP	10	7:00	16:15:34.3	72:47:54	600	90	2.0	#122 Halo Star	4	
0055.hs2836	900	7:03	16:17:31.2	74:52:08	600	90	2.0	#122 Halo Star	4	
0056.COMP	10	7:19	16:17:31.2	74:52:08	600	90	2.0	#122 Halo Star	4	
0057.BDp284211	180	7:52	21:48:57.1	28:37:48	600	90	2.0	#56 Spectropho	4	



UT Date 2004-07-17 Observers M CalkinsColl. Focus 1020 Grating/Grism 600

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0058.COMP	10	7:56	21:48:57.1	28:37:48	600	90	2.0	#56 Spectropho	4	
0059-0068.FLAT	24	8:05	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0069-0078.DARK	900	14:36	21:12:11.4	-00:15:31	300	90	3.0	#68 2MASS Reds	2	

UT Date 2004-07-18 Observers M CalkinsColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:19	21:12:11.4	-00:15:31	300	90	3.0	#68 2MASS Reds	4	
0011-0020.BIAS	0	5:44	21:12:11.4	-00:15:31	300	90	3.0	#68 2MASS Reds	2	
0021-0030.FLAT	12	5:48	21:12:11.4	-00:15:31	300	90	3.0	#68 2MASS Reds	2	
0031.BDp284211	180	5:58	21:48:57.1	28:37:48	300	107	3.0	#56 Spectropho	2	
0032.COMP	12	6:02	21:48:57.1	28:37:48	300	107	3.0	#56 Spectropho	2	
0034.sn2004dd	1200	10:21	00:27:52.9	-01:48:46	300	-34	3.0	#2 SN Observat	2	row=79
0035.COMP	12	10:41	00:27:52.9	-01:48:46	300	-34	3.0	#2 SN Observat	2	
0036.2M22015807-1016161	240	10:44	22:1:58.0	-10:16:16	300	90	3.0	#68 2MASS Reds	2	H alpha...
0037.COMP	12	10:49	22:1:58.0	-10:16:16	300	90	3.0	#68 2MASS Reds	2	
0038.2M22052701-0032010	900	10:52	22:5:27.0	-00:32:1	300	90	3.0	#68 2MASS Reds	2	
0039.COMP	12	11:08	22:5:27.0	-00:32:1	300	90	3.0	#68 2MASS Reds	2	
0040.snu714	1200	11:11	01:09:14.2	+32:09:13	300	95	3.0	#2 SN Observat	2	row=81
0041.COMP	12	11:32	01:09:14.2	+32:09:13	300	95	3.0	#2 SN Observat	2	clouds returned...
0042-0051.BIAS	0	11:42	22:5:35.5	-05:32:10	300	90	3.0	#2 SN Observat	2	
0052-0061.FLAT	12	11:48	22:5:35.5	-05:32:10	300	90	3.0	#2 SN Observat	2	
0062-0071.DARK	900	14:13	22:5:35.5	-05:32:10	300	90	3.0	#2 SN Observat	2	

UT Date 2004-07-19 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	1:55	14:20:00.2	+31:30:55	300	90	3.0	#2 SN Observat	4	
0011-0016.FLAT	8	1:57	14:22:02.0	+31:30:55	300	90	3.0	#2 SN Observat	4	
0017-0020.FLAT	8	1:58	14:23:24.2	+31:30:54	300	90	3.0	#2 SN Observat	4	
0021-0030.BIAS	0	2:01	14:25:34.7	+31:30:54	300	90	3.0	#2 SN Observat	2	
0031-0032.FLAT	16	2:01	14:26:48.2	+31:30:54	300	90	3.0	#2 SN Observat	2	
0033-0040.FLAT	16	2:06	14:31:30.4	+31:30:53	300	90	3.0	#2 SN Observat	2	
0041.153324+06140	480	5:03	15:35:51.9	+06:03:29	300	90	3.0	#84f Updated Z	4	corrupted ccd binning
0042.COMP	5	5:11	15:35:51.9	+06:03:29	300	90	3.0	#84f Updated Z	4	binby2 ok, binby4 bad
0043.153506-01360	240	5:17	15:37:43.3	-01:45:11	300	90	3.0	#84f Updated Z	2	
0044.COMP	10	5:21	15:37:43.3	-01:45:11	300	90	3.0	#84f Updated Z	2	
0045.153324+06140	480	5:23	15:35:51.9	+06:03:29	300	90	3.0	#84f Updated Z	2	
0046.COMP	10	5:31	15:35:51.9	+06:03:29	300	90	3.0	#84f Updated Z	2	
0047.153836-01330	480	5:32	15:41:09.9	-01:42:23	300	90	3.0	#84f Updated Z	2	
0048.COMP	10	5:40	15:41:09.9	-01:42:23	300	90	3.0	#84f Updated Z	2	
0049.154500-01240	210	5:41	15:47:34.4	-01:32:44	300	90	3.0	#84f Updated Z	2	
0050.COMP	10	5:45	15:47:34.4	-01:32:44	300	90	3.0	#84f Updated Z	2	
0051.154530-02000	210	5:45	15:48:07.7	-02:08:49	300	90	3.0	#84f Updated Z	2	
0052.COMP	10	5:49	15:48:07.7	-02:08:49	300	90	3.0	#84f Updated Z	2	
0053.V4641Sgr	600	5:56	18:19:21.6	-25:24:25	300	0	3.0	#149 Black Hol	2	
0054.COMP	10	6:07	18:19:21.6	-25:24:25	300	0	3.0	#149 Black Hol	2	

UT Date 2004-07-19 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.153800+16080	270	6:10	15:40:22.3	+15:57:53	300	0	3.0	#84f Updated Z	2	
0056.COMP	10	6:15	15:40:22.3	+15:57:53	300	0	3.0	#84f Updated Z	2	
0057.2M18034864-0816478	1800	6:19	18:3:48.6	-08:16:47	300	0	3.0	#68 2MASS Reds	2	
0058.COMP	10	6:49	18:3:48.6	-08:16:47	300	0	3.0	#68 2MASS Reds	2	
0059.2M16463700+0633205	240	6:51	16:46:37.0	+06:33:20	300	0	3.0	#68 2MASS Reds	2	
0060.COMP	10	6:55	16:46:37.0	+06:33:20	300	0	3.0	#68 2MASS Reds	2	stopped by clouds
0061.BDp284211	90	10:39	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0062.BDp284211	90	10:41	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0063.COMP	10	10:43	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0064.002412+31250	240	10:44	00:26:48.8	+31:42:11	300	90	3.0	#84f Updated Z	2	
0065.COMP	10	10:49	00:26:48.8	+31:42:11	300	90	3.0	#84f Updated Z	2	
0066.002436+23540	240	10:49	00:27:17.3	+24:10:10	300	90	3.0	#84f Updated Z	2	
0067.COMP	10	10:54	00:27:17.3	+24:10:10	300	90	3.0	#84f Updated Z	2	
0068.010642+35270	120	11:00	01:09:27.2	+35:43:04	300	90	3.0	#84f Updated Z	2	
0069.COMP	10	11:03	01:09:27.2	+35:43:04	300	90	3.0	#84f Updated Z	2	
0070.010948+16160	600	11:04	01:12:32.7	+16:32:38	300	90	3.0	#84f Updated Z	2	
0071.COMP	10	11:14	01:12:32.7	+16:32:38	300	90	3.0	#84f Updated Z	2	
0072.012212+09260	330	11:15	01:24:53.0	+09:42:12	300	90	3.0	#84f Updated Z	2	clouds
0073.COMP	10	11:21	01:24:53.0	+09:42:12	300	90	3.0	#84f Updated Z	2	
0074-0083.FLAT	16	11:28	01:12:57.4	-00:20:41	300	90	3.0	#2 SN Observat	2	

UT Date 2004-07-19 Observers P BerlindColl. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0084-0093.BIAS	0	11:31	01:12:57.4	-00:20:41	300	90	3.0	#2 SN Observat	2	
0094-0103.DARK	900	13:49	01:12:57.4	-00:20:41	300	90	3.0	#2 SN Observat	2	

UT Date 2004-07-20 Observers P BerlindColl. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0001-0010.BIAS	0	1:22	01:12:57.4	-00:20:41	300	90	3.0	#2 SN Observat	2	
0011-0020.FLAT	16	1:34	01:12:57.4	-00:20:41	300	90	3.0	#2 SN Observat	2	
0021-0030.DARK	900	6:22	01:12:57.4	-00:20:41	300	90	3.0	#2 SN Observat	2	

UT Date 2004-07-21 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	0:29	01:12:57.4	-00:20:41	300	90	3.0	#2 SN Observat	2	
0011-0020.BIAS	0	2:11	01:12:57.4	-00:20:41	300	90	3.0	#2 SN Observat	2	
0021.FLAT	16	2:11	01:12:57.4	-00:20:41	300	90	3.0	#2 SN Observat	2	t storms to west and south
0022-0030.FLAT	16	2:15	01:12:57.4	-00:20:41	300	90	3.0	#2 SN Observat	2	
0031.N4151	30	3:14	12:10:32.6	+39:24:21	300	84	3.0	#6 AGN Monitor	2	
0032.N4151	30	3:15	12:10:32.6	+39:24:21	300	84	3.0	#6 AGN Monitor	2	
0033.N4151	90	3:15	12:10:32.6	+39:24:21	300	84	3.0	#6 AGN Monitor	2	
0034.COMP	10	3:17	12:10:32.6	+39:24:21	300	84	3.0	#6 AGN Monitor	2	
0035.N4051	150	3:18	12:03:09.7	+44:31:53	300	84	3.0	#6 AGN Monitor	2	
0036.N4051	150	3:21	12:03:09.7	+44:31:53	300	84	3.0	#6 AGN Monitor	2	
0037.COMP	10	3:24	12:03:09.7	+44:31:53	300	84	3.0	#6 AGN Monitor	2	
0038.M87	180	3:25	12:30:49.4	12:23:28	300	60	3.0	#6 AGN Monitor	2	
0039.M87	180	3:28	12:30:49.4	12:23:28	300	60	3.0	#6 AGN Monitor	2	
0040.COMP	10	3:32	12:30:49.4	12:23:28	300	60	3.0	#6 AGN Monitor	2	
0041.2M13011101+3944400	240	3:33	13:1:11.0	+39:44:40	300	90	3.0	#68 2MASS Reds	2	
0042.COMP	10	3:38	13:1:11.0	+39:44:40	300	90	3.0	#68 2MASS Reds	2	
0043.2M13025168+3817341	240	3:38	13:2:51.6	+38:17:34	300	90	3.0	#68 2MASS Reds	2	
0044.COMP	10	3:43	13:2:51.6	+38:17:34	300	90	3.0	#68 2MASS Reds	2	
0045.NGC5548	300	3:44	14:17:59.5	+25:08:12	300	71	3.0	#151 AGN Emiss	2	also for project 6 AGN
0046.NGC5548	300	3:49	14:17:59.5	+25:08:12	300	71	3.0	#151 AGN Emiss	2	

UT Date 2004-07-21 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0047.COMP	10	3:54	14:17:59.5	+25:08:12	300	71	3.0	#151 AGN Emiss	2	
0048.Mkn817	720	3:57	14:36:22.0	+58:47:39	300	0	3.0	#151 AGN Emiss	2	
0049.COMP	10	4:09	14:36:22.0	+58:47:39	300	0	3.0	#151 AGN Emiss	2	
0050.c11504m1453	1800	4:12	15:04:42.0	-14:54:19	300	45	3.0	#150 Distant C	2	
0051.COMP	10	4:43	15:04:42.0	-14:54:19	300	45	3.0	#150 Distant C	2	
0052.154654+00220NS	360	4:44	15:49:28.2	+00:13:57	300	0	3.0	#84f Updated Z	2	
0053.COMP	10	4:51	15:49:28.2	+00:13:57	300	0	3.0	#84f Updated Z	2	south comp at row 71
0054.155018-00230	600	4:51	15:52:48.9	-00:31:31	300	0	3.0	#84f Updated Z	2	
0055.COMP	10	5:02	15:52:48.9	-00:31:31	300	0	3.0	#84f Updated Z	2	
0056.155254-00400	720	5:02	15:55:30.9	-00:49:39	300	0	3.0	#84f Updated Z	2	clouds moving in
0057.COMP	10	5:15	15:55:30.9	-00:49:39	300	0	3.0	#84f Updated Z	2	
0058.155436-01240	900	5:15	15:57:11.9	-01:32:27	300	0	3.0	#84f Updated Z	2	
0059.COMP	10	5:31	15:57:11.9	-01:32:27	300	0	3.0	#84f Updated Z	2	
0060.155624+08190	600	5:32	15:58:53.6	+08:09:53	300	0	3.0	#84f Updated Z	2	
0061.COMP	10	5:43	15:58:53.6	+08:09:53	300	0	3.0	#84f Updated Z	2	
0062.V4641Sgr	600	5:44	18:19:21.6	-25:24:25	300	0	3.0	#149 Black Hol	2	
0063.COMP	10	5:55	18:19:21.6	-25:24:25	300	0	3.0	#149 Black Hol	2	
0064.2M16144341+3632010	240	6:01	16:14:43.4	+36:32:1	300	90	3.0	#68 2MASS Reds	2	
0065.COMP	10	6:06	16:14:43.4	+36:32:1	300	90	3.0	#68 2MASS Reds	2	
0066.2M16192221+2208481	210	6:07	16:19:22.2	+22:08:48	300	90	3.0	#68 2MASS Reds	2	



UT Date 2004-07-21 Observers P BerlindColl. Focus 1020 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0067.COMP	10	6:11	16:19:22.2	+22:08:48	300	90	3.0	#68 2MASS Reds	2	
0068.2M16251605+2228535	360	6:11	16:25:16.0	+22:28:53	300	90	3.0	#68 2MASS Reds	2	
0069.COMP	10	6:18	16:25:16.0	+22:28:53	300	90	3.0	#68 2MASS Reds	2	
0070.2M16242848+4835483	240	6:38	16:24:28.4	+48:35:48	300	95	3.0	#68 2MASS Reds	2	
0071.COMP	10	6:42	16:24:28.4	+48:35:48	300	95	3.0	#68 2MASS Reds	2	
0072.2M16261417+8125439	660	6:57	16:26:14.1	+81:25:43	300	95	3.0	#68 2MASS Reds	2	clouds
0073.COMP	10	7:08	16:26:14.1	+81:25:43	300	95	3.0	#68 2MASS Reds	2	
0074-0083.BIAS	0	10:06	16:26:14.1	+81:25:43	300	90	3.0	#151 AGN Emiss	2	
0084-0093.FLAT	16	10:12	16:26:14.1	+81:25:43	300	90	3.0	#151 AGN Emiss	2	

UT Date 2004-07-22 Observers M CalkinsColl. Focus 1050 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	2:18	15:09:42.6	+31:30:44	300	90	3.0	#151 AGN Emiss	4	
0002.DARK	900	2:33	15:24:49.8	+31:30:40	300	90	3.0	#151 AGN Emiss	4	
0003.DARK	900	2:48	15:40:00.8	+31:30:36	300	90	3.0	#151 AGN Emiss	4	
0004.DARK	900	3:03	15:55:08.3	+31:30:32	300	90	3.0	#151 AGN Emiss	4	
0005.DARK	900	3:18	16:10:19.1	+31:30:27	300	90	3.0	#151 AGN Emiss	4	
0006.DARK	900	3:33	16:25:26.5	+31:30:23	300	90	3.0	#151 AGN Emiss	4	
0007.DARK	900	3:48	16:40:37.6	+31:30:18	300	90	3.0	#151 AGN Emiss	4	
0008.DARK	900	4:04	16:55:44.9	+31:30:13	300	90	3.0	#151 AGN Emiss	4	
0009.DARK	900	4:19	17:10:55.9	+31:30:08	300	90	3.0	#151 AGN Emiss	4	
0010.DARK	900	4:34	17:26:03.3	+31:30:03	300	90	3.0	#151 AGN Emiss	4	
0011-0013.BIAS	0	5:37	18:14:02.2	+31:29:47	300	90	3.0	#151 AGN Emiss	2	
0014-0020.BIAS	0	5:38	18:15:33.1	+31:29:46	300	90	3.0	#151 AGN Emiss	2	
0021-0025.FLAT	16	5:51	18:28:34.0	+31:29:42	300	90	3.0	#151 AGN Emiss	2	
0026-0030.FLAT	16	5:53	18:30:53.5	+31:29:41	300	90	3.0	#151 AGN Emiss	2	
0031.BDp332642	70	5:58	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	2	
0032.COMP	12	5:59	15:50:03.0	33:05:49	300	80	3.0	#56 Spectropho	2	
0033.BDp262606	15	6:02	14:49:02.3	+25:42:09	300	69	3.0	#56 Spectropho	2	
0034.COMP	12	6:03	14:49:02.3	+25:42:09	300	69	3.0	#56 Spectropho	2	
0035.sn2004ct	1200	6:11	15:43:45.7	28:24:59	300	74	3.0	#2 SN Observat	2	
0036.sn2004ct	780	6:33	15:43:45.7	28:24:59	300	74	3.0	#2 SN Observat	2	shorten for clouds

UT Date 2004-07-22 Observers M CalkinsColl. Focus 1050 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0037.COMP	12	6:46	15:43:45.7	28:24:59	300	74	3.0	#2 SN Observat	2	
0038.3C390.3	360	7:07	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0039.3C390.3	360	7:13	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0040.3C390.3	360	7:19	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0041.COMP	12	7:26	18:42:09.1	79:46:17	300	90	3.0	#6 AGN Monitor	2	
0042.2M21121146-0015317	1200	7:31	21:12:11.4	-00:15:31	300	0	3.0	#68 2MASS Reds	2	
0043.COMP	12	7:51	21:12:11.4	-00:15:31	300	0	3.0	#68 2MASS Reds	2	
0044.2M21140659+0227427	1200	7:54	21:14:6.5	+02:27:42	300	90	3.0	#68 2MASS Reds	2	
0045.COMP	12	8:15	21:14:6.5	+02:27:42	300	90	3.0	#68 2MASS Reds	2	
0046.2M21143114-0816558	780	8:17	21:14:31.1	-08:16:55	300	90	3.0	#68 2MASS Reds	2	
0047.COMP	12	8:30	21:14:31.1	-08:16:55	300	90	3.0	#68 2MASS Reds	2	
0048.2M21222270+0306177	480	8:31	21:22:22.7	+03:06:17	300	90	3.0	#68 2MASS Reds	2	
0049.COMP	12	8:40	21:22:22.7	+03:06:17	300	90	3.0	#68 2MASS Reds	2	
0050.2M21233968-0526016	600	8:42	21:23:39.6	-05:26:1	300	90	3.0	#68 2MASS Reds	2	
0051.COMP	12	8:53	21:23:39.6	-05:26:1	300	90	3.0	#68 2MASS Reds	2	
0052-0056.DARK	900	13:33	21:25:57.3	-09:01:55	300	90	3.0	#68 2MASS Reds	2	

UT Date 2004-07-23 Observers M CalkinsColl. Focus 1050 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	22:11	11:05:43.7	+31:31:05	300	90	3.0	#2 SN Observat	4	
0002.DARK	900	22:26	11:20:54.7	+31:31:06	300	90	3.0	#2 SN Observat	4	
0003-0004.DARK	900	22:56	11:51:13.4	+31:31:07	300	90	3.0	#2 SN Observat	4	
0005.DARK	900	23:11	12:06:20.7	+31:31:08	300	90	3.0	#2 SN Observat	4	
0006-0007.DARK	900	23:41	12:36:39.4	+31:31:07	300	90	3.0	#2 SN Observat	4	
0008.DARK	900	23:56	12:51:50.5	+31:31:06	300	90	3.0	#2 SN Observat	4	
0009.DARK	900	0:11	13:06:57.9	+31:31:05	300	90	3.0	#2 SN Observat	4	
0010.DARK	900	0:27	13:22:09.0	+31:31:03	300	90	3.0	#2 SN Observat	4	
0011-0014.BIAS	0	1:17	13:57:53.6	+31:30:59	300	90	3.0	#2 SN Observat	4	
0015-0020.BIAS	0	1:18	13:58:36.5	+31:30:58	300	90	3.0	#2 SN Observat	4	
0021-0030.FLAT	6	1:21	14:01:34.8	+31:30:58	300	90	3.0	#2 SN Observat	4	
0031-0038.BIAS	0	1:23	14:03:53.8	+31:30:58	300	90	3.0	#2 SN Observat	2	
0039-0040.BIAS	0	1:24	14:04:19.8	+31:30:57	300	90	3.0	#2 SN Observat	2	
0041-0049.FLAT	12	1:29	14:09:27.4	+31:30:57	300	90	3.0	#2 SN Observat	2	
0050.FLAT	12	1:29	14:09:49.7	+31:30:56	300	90	3.0	#2 SN Observat	2	
0051.BDp262606	17	3:07	14:49:02.3	+25:42:09	300	61	3.0	#56 Spectropho	2	
0052.BDp262606	17	3:07	14:49:02.3	+25:42:09	300	61	3.0	#56 Spectropho	2	
0053.COMP	12	3:08	14:49:02.3	+25:42:09	300	61	3.0	#56 Spectropho	2	
0054.BDp332642	80	3:10	15:50:03.0	33:05:49	300	16	3.0	#56 Spectropho	2	
0055.BDp332642	80	3:12	15:50:03.0	33:05:49	300	16	3.0	#56 Spectropho	2	

UT Date 2004-07-23 Observers M CalkinsColl. Focus 1050 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0056.COMP	12	3:14	15:50:03.0	33:05:49	300	16	3.0	#56 Spectropho	2	
0057.TCrB	15	3:16	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0058.TCrB	60	3:17	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0059.COMP	12	3:18	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	2	
0060.AGDra	2	3:20	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0061.AGDra	15	3:20	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0062.AGDra	45	3:21	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0063.COMP	12	3:22	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	2	
0064.DracoC1	1200	4:10	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0065.COMP	12	4:31	17:19:58	57:50:06	300	90	3.0	#12 Symbiotic	2	
0066.RSOph	10	4:36	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0067.COMP	12	4:39	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0068.RSOph	60	4:39	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0069.RSOph	150	4:41	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0070.COMP	12	4:44	17:50:13	-06:42:30	300	90	3.0	#12 Symbiotic	2	
0071.YYHer	10	4:45	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0072.YYHer	60	4:45	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0073.COMP	12	4:47	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	2	
0074.V443Her	5	4:48	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0075.V443Her	45	4:49	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	

UT Date 2004-07-23 Observers M CalkinsColl. Focus 1050 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.V443Her	90	4:50	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0077.COMP	12	4:53	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	2	
0078.21_1224p02370_a	1800	7:48	21:14:56.0	2:50:5	300	90	3.0	#113 Interacti	2	
0079.COMP	12	8:19	21:14:56.0	2:50:5	300	90	3.0	#113 Interacti	2	
0080.21_1224p02370_b	1500	8:23	21:14:52.2	2:50:14	300	20	3.0	#113 Interacti	2	
0081.21_1224p02370_b	1500	8:48	21:14:52.2	2:50:14	300	20	3.0	#113 Interacti	2	through clouds
0082.COMP	12	9:13	21:14:52.2	2:50:14	300	20	3.0	#113 Interacti	2	
0083.002824+04490	480	9:31	00:31:06.4	+05:04:43	300	90	3.0	#84f Updated Z	2	H-alpha
0084.COMP	12	9:40	00:31:06.4	+05:04:43	300	90	3.0	#84f Updated Z	2	
0085.005548+11180	1200	9:44	00:58:25.4	+11:33:31	300	100	3.0	#84f Updated Z	2	
0086.COMP	12	10:04	00:58:25.4	+11:33:31	300	100	3.0	#84f Updated Z	2	
0087.sn2004dh	1200	10:08	00:18:00.4	24:33:44	300	110	3.0	#2 SN Observat	2	row=71
0088.COMP	12	10:28	00:18:00.4	24:33:44	300	110	3.0	#2 SN Observat	2	
0089-0098.BIAS	0	11:51	19:23:53	29:40:27	300	90	3.0	#113 Interacti	2	
0099-0108.FLAT	12	11:55	19:23:53	29:40:27	300	90	3.0	#113 Interacti	2	
0109-0116.DARK	900	13:43	19:23:53	29:40:27	300	90	3.0	#113 Interacti	2	

UT Date 2004-07-24 Observers M CalkinsColl. Focus 1050 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0001-0010.DARK	900	1:15	19:23:53	29:40:27	300	90	3.0	#113 Interacti	4	
0011-0020.BIAS	0	4:07	19:23:53	29:40:27	300	90	3.0	#113 Interacti	4	
0021-0030.FLAT	6	4:10	19:23:53	29:40:27	300	90	3.0	#113 Interacti	4	
0031-0040.BIAS	0	4:13	19:23:53	29:40:27	300	90	3.0	#113 Interacti	2	
0041-0050.FLAT	12	5:07	19:23:53	29:40:27	300	90	3.0	#113 Interacti	2	
0051.BDp284211	80	10:57	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	hole...
0052.COMP	12	10:59	21:48:57.1	28:37:48	300	76	3.0	#56 Spectropho	2	
0053.2M22400525-0048276	600	11:03	22:40:5.2	-00:48:27	300	90	3.0	#68 2MASS Reds	2	
0054.COMP	12	11:14	22:40:5.2	-00:48:27	300	90	3.0	#68 2MASS Reds	2	
0055-0064.DARK	900	13:57	23:1:4.9	+20:42:12	300	90	3.0	#68 2MASS Reds	2	

UT Date 2004-07-25 Observers P BerlindColl. Focus 1040 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0009.BIAS	0	3:57	16:46:09.2	+31:30:16	300	90	3.0	#68 2MASS Reds	2	
0010.BIAS	0	3:57	16:46:22.3	+31:30:15	300	90	3.0	#68 2MASS Reds	2	
0011-0015.FLAT	16	4:00	16:49:11.5	+31:30:15	300	90	3.0	#68 2MASS Reds	2	
0016-0020.FLAT	16	4:02	16:51:34.5	+31:30:14	300	90	3.0	#68 2MASS Reds	2	
0021.DARK	900	4:03	17:06:54.0	+31:30:09	300	90	3.0	#68 2MASS Reds	2	
0022.DARK	900	4:18	17:22:09.5	+31:30:04	300	90	3.0	#68 2MASS Reds	2	
0023.DARK	900	4:33	17:37:21.5	+31:29:58	300	90	3.0	#68 2MASS Reds	2	
0024.DARK	900	4:48	17:52:37.2	+31:29:53	300	90	3.0	#68 2MASS Reds	2	
0025.DARK	900	5:04	18:07:52.7	+31:29:48	300	90	3.0	#68 2MASS Reds	2	
0026.DARK	900	5:19	18:23:08.0	+31:29:43	300	90	3.0	#68 2MASS Reds	2	
0027.DARK	900	5:34	18:38:20.0	+31:29:37	300	90	3.0	#68 2MASS Reds	2	
0028.DARK	900	5:49	18:53:35.3	+31:29:32	300	90	3.0	#68 2MASS Reds	2	
0029.DARK	900	6:04	19:08:50.8	+31:29:27	300	90	3.0	#68 2MASS Reds	2	
0030.DARK	900	6:20	19:24:06.0	+31:29:22	300	90	3.0	#68 2MASS Reds	2	
0031.BDp284211	100	8:13	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	quick sucker hole
0032.BDp284211	100	8:15	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0033.COMP	10	8:17	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0034.2M22300687+1000425	600	10:39	22:30:6.8	+10:00:42	300	90	3.0	#68 2MASS Reds	2	another sucker hole
0035.COMP	10	10:49	22:30:6.8	+10:00:42	300	90	3.0	#68 2MASS Reds	2	
0036-0045.BIAS	0	11:01	22:28:12.6	+00:32:35	300	90	3.0	#68 2MASS Reds	2	



UT Date 2004-07-25 Observers P BerlindColl. Focus 1040 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bin</i>	<i>Comments</i>
0046-0055.FLAT	16	11:06	22:28:12.6	+00:32:35	300	90	3.0	#68 2MASS Reds	2	

UT Date 2004-07-26 Observers P BerlindColl. Focus 1040 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.DARK	900	1:02	22:28:12.6	+00:32:35	300	90	3.0	#68 2MASS Reds	2	
0011-0020.BIAS	0	1:45	22:28:12.6	+00:32:35	300	90	3.0	#68 2MASS Reds	2	
0021.FLAT	16	1:46	22:28:12.6	+00:32:35	300	90	3.0	#68 2MASS Reds	2	clouds
0022-0030.FLAT	16	1:50	22:28:12.6	+00:32:35	300	90	3.0	#68 2MASS Reds	2	
0031.2M16430002+4651321	720	5:46	16:43:0.0	+46:51:32	300	90	3.0	#68 2MASS Reds	2	
0032.COMP	10	5:58	16:43:0.0	+46:51:32	300	90	3.0	#68 2MASS Reds	2	
0033.2M16414196+6830485	360	6:04	16:41:41.9	+68:30:48	300	90	3.0	#68 2MASS Reds	2	
0034.COMP	10	6:10	16:41:41.9	+68:30:48	300	90	3.0	#68 2MASS Reds	2	
0035.2M16274442+7551143	600	6:11	16:27:44.4	+75:51:14	300	90	3.0	#68 2MASS Reds	2	
0036.COMP	10	6:22	16:27:44.4	+75:51:14	300	90	3.0	#68 2MASS Reds	2	
0037.2M16470867+5356033	900	6:28	16:47:8.6	+53:56:3	300	90	3.0	#68 2MASS Reds	2	
0038.COMP	10	6:44	16:47:8.6	+53:56:3	300	90	3.0	#68 2MASS Reds	2	
0039.2M16475391+5232294	900	6:45	16:47:53.9	+52:32:29	300	90	3.0	#68 2MASS Reds	2	
0040.COMP	10	7:00	16:47:53.9	+52:32:29	300	90	3.0	#68 2MASS Reds	2	
0041.2M19571380+1905140	1200	7:20	19:57:13.8	+19:05:14	300	90	3.0	#68 2MASS Reds	2	
0042.COMP	10	7:40	19:57:13.8	+19:05:14	300	90	3.0	#68 2MASS Reds	2	
0043.2M19445030+3245390	1200	7:44	19:44:50.3	+32:45:39	300	83	3.0	#68 2MASS Reds	2	nope
0044.COMP	10	8:04	19:44:50.3	+32:45:39	300	83	3.0	#68 2MASS Reds	2	
0045.2M21255739-0901555	360	8:07	21:25:57.3	-09:01:55	300	90	3.0	#68 2MASS Reds	2	
0046.COMP	10	8:13	21:25:57.3	-09:01:55	300	90	3.0	#68 2MASS Reds	2	

UT Date 2004-07-26 Observers P BerlindColl. Focus 1040 Grating/Grism 300

<i>File</i>	<i>Exp Time</i>	<i>UT Start</i>	<i>RA</i>	<i>Dec</i>	<i>Gr.</i>	<i>P.A.</i>	<i>Slit</i>	<i>Program</i>	<i>Bir</i>	<i>Comments</i>
0047.2M21281168+0017594	360	8:14	21:28:11.6	+00:17:59	300	90	3.0	#68 2MASS Reds	2	
0048.COMP	10	8:20	21:28:11.6	+00:17:59	300	90	3.0	#68 2MASS Reds	2	
0049.2M21401497+0440421	600	8:22	21:40:14.9	+04:40:42	300	90	3.0	#68 2MASS Reds	2	
0050.COMP	10	8:32	21:40:14.9	+04:40:42	300	90	3.0	#68 2MASS Reds	2	
0051.2M21420466-0456359	720	9:10	21:42:4.6	-04:56:35	300	90	3.0	#68 2MASS Reds	2	clouds
0052.COMP	10	9:22	21:42:4.6	-04:56:35	300	90	3.0	#68 2MASS Reds	2	
0053-0062.BIAS	0	10:05	21:48:32.3	-06:08:45	300	90	3.0	#68 2MASS Reds	2	
0063-0072.FLAT	16	10:10	21:48:32.3	-06:08:45	300	90	3.0	#68 2MASS Reds	2	