

UT Date 2001-12-04 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	23:07	20:49:46.0	31:29:53	300	90	3.0	#122 Halo Star	4	
0002.DARK	900	23:07	21:04:57.0	31:29:51	300	90	3.0	#122 Halo Star	4	
0003.DARK	900	23:07	21:20:04.0	31:29:50	300	90	3.0	#122 Halo Star	4	
0004.DARK	900	23:07	21:35:16.0	31:29:48	300	90	3.0	#122 Halo Star	4	
0005.DARK	900	23:07	21:50:27.0	31:29:47	300	90	3.0	#122 Halo Star	4	
0006-0019.BIAS	0	0:25	21:53:12.0	31:29:47	300	90	3.0	#122 Halo Star	4	
0020.BIAS	0	0:25	21:53:21.0	31:29:46	300	90	3.0	#122 Halo Star	4	
0021.FLAT	8	0:25	21:54:21.0	31:29:46	300	90	3.0	#122 Halo Star	4	clouds to far west
0022-0030.FLAT	8	0:29	21:56:44.0	31:29:46	300	90	3.0	#122 Halo Star	4	
0031-0040.BIAS	0	0:32	21:59:32.0	31:29:46	300	90	3.0	#122 Halo Star	2	
0041-0050.FLAT	16	0:36	22:04:32.0	31:29:46	300	90	3.0	#122 Halo Star	2	
0051-0055.sky	4	0:39	22:07:01.0	31:29:45	300	90	3.0	#57 Velocity S	4	
0056.COMP	5	0:39	22:07:48.0	31:29:45	300	90	3.0	#57 Velocity S	4	
0057.BDp284211	90	0:39	21:48:57.1	28:37:48	300	74	3.0	#56 Spectropho	2	
0058.BDp284211	90	0:39	21:48:57.1	28:37:48	300	74	3.0	#56 Spectropho	2	
0059.COMP	10	0:39	21:48:57.1	28:37:48	300	74	3.0	#56 Spectropho	2	
0060.ZAnd	1	0:39	23:33:40	48:49:06	300	74	3.0	#12 Symbiotic	4	
0061.ZAnd	3	0:39	23:33:40	48:49:06	300	74	3.0	#12 Symbiotic	4	
0062.ZAnd	5	0:39	23:33:40	48:49:06	300	74	3.0	#12 Symbiotic	4	
0063.ZAnd	15	0:39	23:33:40	48:49:06	300	74	3.0	#12 Symbiotic	4	

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0064.COMP	5	0:39	23:33:40	48:49:06	300	74	3.0	#12 Symbiotic	4	
0065.MRK509	180	0:39	20:44:09.8	-10:43:24	300	40	3.0	#6 AGN Monitor	4	
0066.MRK509	180	0:39	20:44:09.8	-10:43:24	300	40	3.0	#6 AGN Monitor	4	
0067.COMP	5	0:39	20:44:09.8	-10:43:24	300	40	3.0	#6 AGN Monitor	4	
0068.N7469	150	0:39	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	4	
0069.N7469	150	0:39	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	4	
0070.COMP	5	0:39	23:03:15.7	+08:52:27	300	0	3.0	#6 AGN Monitor	4	
0071.id1279	600	0:39	20:07:06.5	35:43:28	300	90	3.0	#115 PMS NGC68	4	hi Susan!
0072.COMP	5	0:39	20:07:06.5	35:43:28	300	90	3.0	#115 PMS NGC68	4	
0073.id1536	600	0:39	20:06:36.2	35:55:01	300	90	3.0	#115 PMS NGC68	4	
0074.COMP	5	0:39	20:06:36.2	35:55:01	300	90	3.0	#115 PMS NGC68	4	
0075.id1541	600	0:39	20:06:34.1	35:35:45	300	90	3.0	#115 PMS NGC68	4	
0076.COMP	5	0:39	20:06:34.1	35:35:45	300	90	3.0	#115 PMS NGC68	4	
0077.id1637	600	0:39	20:06:22.0	35:48:48	300	90	3.0	#115 PMS NGC68	4	
0078.COMP	5	0:39	20:06:22.0	35:48:48	300	90	3.0	#115 PMS NGC68	4	
0079.id1994	600	0:39	20:05:41.7	35:56:34	300	90	3.0	#115 PMS NGC68	4	
0080.COMP	5	0:39	20:05:41.7	35:56:34	300	90	3.0	#115 PMS NGC68	4	
0081.2M222656.6p513008	240	0:39	22:26:56.6	+51:30:08	300	90	3.0	#68 2MASS Reds	4	
0082.COMP	5	0:39	22:26:56.6	+51:30:08	300	90	3.0	#68 2MASS Reds	4	
0083.2M223303.6p514745	300	0:39	22:33:03.6	+51:47:45	300	90	3.0	#68 2MASS Reds	4	

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0084.COMP	5	0:39	22:33:03.6	+51:47:45	300	90	3.0	#68 2MASS Reds	4	
0085.2M225353.9p500601	600	0:39	22:53:53.9	+50:06:01	300	45	3.0	#68 2MASS Reds	4	pa=45 to avoid sup *
0086.COMP	5	0:39	22:53:53.9	+50:06:01	300	45	3.0	#68 2MASS Reds	4	
0087.2M225529.9p570924ns	900	0:39	22:55:29.9	+57:09:24	300	45	3.0	#68 2MASS Reds	2	close pair
0088.COMP	10	0:39	22:55:29.9	+57:09:24	300	45	3.0	#68 2MASS Reds	2	
0089.2M233705.4p530919	330	0:39	23:37:05.4	+53:09:19	300	45	3.0	#68 2MASS Reds	2	
0090.COMP	5	0:39	23:37:05.4	+53:09:19	300	45	3.0	#68 2MASS Reds	2	
0091.Akn564	240	0:39	22:42:39.4	+29:43:31	300	78	3.0	#6 AGN Monitor	2	
0092.Akn564	240	0:39	22:42:39.4	+29:43:31	300	78	3.0	#6 AGN Monitor	2	
0093.COMP	10	0:39	22:42:39.4	+29:43:31	300	78	3.0	#6 AGN Monitor	2	
0094.MRK335	120	0:39	00:06:19.6	+20:12:11	300	48	3.0	#6 AGN Monitor	4	
0095.MRK335	120	0:39	00:06:19.6	+20:12:11	300	48	3.0	#6 AGN Monitor	4	
0096.COMP	5	0:39	00:06:19.6	+20:12:11	300	48	3.0	#6 AGN Monitor	4	
0097.M32	30	0:39	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0098.M32	30	0:39	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0099.COMP	5	0:39	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0100.158m213	360	0:39	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0101.COMP	5	0:39	00:40:30.2	+40:50:55	300	90	3.0	#57 Velocity S	4	
0102.a119c_583	1200	0:39	00:41:44.9	-2:10:01	300	90	3.0	#64 Cluster In	4	
0103.COMP	5	0:39	00:41:44.9	-2:10:01	300	90	3.0	#64 Cluster In	4	

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0104.a119c_584	1200	0:39	00:58:07.1	-5:07:45	300	90	3.0	#64 Cluster In	4	bright sky
0105.COMP	5	0:39	00:58:07.1	-5:07:45	300	90	3.0	#64 Cluster In	4	
0106.a119c_472	1200	0:39	01:02:28.4	-4:41:32	300	90	3.0	#64 Cluster In	4	
0107.COMP	5	0:39	01:02:28.4	-4:41:32	300	90	3.0	#64 Cluster In	4	
0108.a119c_481	900	0:39	00:45:32.8	01:19:14	300	90	3.0	#64 Cluster In	4	
0109.COMP	5	0:39	00:45:32.8	01:19:14	300	90	3.0	#64 Cluster In	4	
0110.a496_438	1200	0:39	04:29:21.4	-09:18:31	300	90	3.0	#64 Cluster In	4	
0111.COMP	5	0:39	04:29:21.4	-09:18:31	300	90	3.0	#64 Cluster In	4	
0112.a496_441	1200	0:39	04:29:34.0	-18:21:47	300	90	3.0	#64 Cluster In	4	
0113.COMP	5	0:39	04:29:34.0	-18:21:47	300	90	3.0	#64 Cluster In	4	
0114.a496_448	1200	0:39	04:18:04.9	-11:48:21	300	90	3.0	#64 Cluster In	4	
0115.COMP	5	0:39	04:18:04.9	-11:48:21	300	90	3.0	#64 Cluster In	4	
0116.2M023412.8p680257	900	0:39	02:34:12.8	+68:02:57	300	90	3.0	#68 2MASS Reds	4	
0117.COMP	5	0:39	02:34:12.8	+68:02:57	300	90	3.0	#68 2MASS Reds	4	
0118.2M024221.9p625403	120	0:39	02:42:21.9	+62:54:03	300	90	3.0	#68 2MASS Reds	4	pec pn
0119.COMP	5	0:39	02:42:21.9	+62:54:03	300	90	3.0	#68 2MASS Reds	4	
0120.2M024945.4p531508	360	0:39	02:49:45.4	+53:15:08	300	90	3.0	#68 2MASS Reds	4	
0121.COMP	5	0:39	02:49:45.4	+53:15:08	300	90	3.0	#68 2MASS Reds	4	
0122.2M025007.9p473722	300	0:39	02:50:07.9	+47:37:22	300	90	3.0	#68 2MASS Reds	4	
0123.COMP	5	0:39	02:50:07.9	+47:37:22	300	90	3.0	#68 2MASS Reds	4	

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0124.sn2001ep	1200	0:39	04:57:00.2	-04:45:40	300	0	3.0	#2 SN Observat	2	
0125.COMP	10	0:39	04:57:00.2	-04:45:40	300	0	3.0	#2 SN Observat	2	
0126.2M025047.3p464555	300	0:39	02:50:47.3	+46:45:55	300	0	3.0	#68 2MASS Reds	2	
0127.COMP	10	0:39	02:50:47.3	+46:45:55	300	0	3.0	#68 2MASS Reds	2	
0128.2M025040.0p531610	660	0:39	02:50:40.0	+53:16:10	300	0	3.0	#68 2MASS Reds	4	
0129.COMP	5	0:39	02:50:40.0	+53:16:10	300	0	3.0	#68 2MASS Reds	4	
0130.2M025122.0p471202	360	0:39	02:51:22.0	+47:12:02	300	0	3.0	#68 2MASS Reds	4	
0131.COMP	5	0:39	02:51:22.0	+47:12:02	300	0	3.0	#68 2MASS Reds	4	
0132.2M025149.3p504924	540	0:39	02:51:49.3	+50:49:24	300	0	3.0	#68 2MASS Reds	4	
0133.COMP	5	0:39	02:51:49.3	+50:49:24	300	0	3.0	#68 2MASS Reds	4	
0134.sn2001gc	1200	0:39	05:55:26.1	+51:54:34	300	0	3.0	#2 SN Observat	2	
0135.COMP	10	0:39	05:55:26.1	+51:54:34	300	0	3.0	#2 SN Observat	2	
0136.2M032614.1p663537	360	0:39	03:26:14.1	+66:35:37	300	0	3.0	#68 2MASS Reds	4	
0137.COMP	5	0:39	03:26:14.1	+66:35:37	300	0	3.0	#68 2MASS Reds	4	
0138.2M032906.4p645831	720	0:39	03:29:06.4	+64:58:31	300	0	3.0	#68 2MASS Reds	4	
0139.COMP	5	0:39	03:29:06.4	+64:58:31	300	0	3.0	#68 2MASS Reds	4	
0140.2M033505.2p690204	600	0:39	03:35:05.2	+69:02:04	300	0	3.0	#68 2MASS Reds	4	
0141.COMP	5	0:39	03:35:05.2	+69:02:04	300	0	3.0	#68 2MASS Reds	4	
0142.2M033455.1p455152	720	0:39	03:34:55.1	+45:51:52	300	0	3.0	#68 2MASS Reds	4	
0143.COMP	5	0:39	03:34:55.1	+45:51:52	300	0	3.0	#68 2MASS Reds	4	

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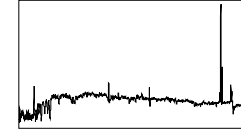
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0144.2M033631.1p383722	720	0:39	03:36:31.1	+38:37:22	300	0	3.0	#68 2MASS Reds	4	
0145.COMP	5	0:39	03:36:31.1	+38:37:22	300	0	3.0	#68 2MASS Reds	4	
0146.BGGem	1200	0:39	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0147.BGGem	300	0:39	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0148.COMP	10	0:39	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0149.Hiltner600	60	0:39	06:42:37.2	02:11:25	300	25	3.0	#56 Spectropho	2	
0150.Hiltner600	60	0:39	06:42:37.2	02:11:25	300	25	3.0	#56 Spectropho	2	
0151.COMP	10	0:39	06:42:37.2	02:11:25	300	25	3.0	#56 Spectropho	2	
0152.2M051708.3p440259	900	0:39	05:17:08.3	+44:02:59	300	90	3.0	#68 2MASS Reds	4	
0153.COMP	5	0:39	05:17:08.3	+44:02:59	300	90	3.0	#68 2MASS Reds	4	
0154-0163.FLAT	8	10:37	8:30:00	32:00:00	300	90	3.0	#68 2MASS Reds	4	
0164-0173.FLAT	16	10:42	8:30:00	32:00:00	300	90	3.0	#68 2MASS Reds	2	
0174.COMP	10	10:42	10:00:44.9	29:20:04	600	90	2.0	#68 2MASS Reds	4	600-line; 2-sec slit
0175.Feige34	120	10:42	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	tilt=430
0176.Feige34	120	10:42	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0177.COMP	10	10:42	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0178.hs778	360	10:42	10:40:55.6	28:40:56	600	90	2.0	#122 Halo Star	4	
0179.COMP	10	10:42	10:40:55.6	28:40:56	600	90	2.0	#122 Halo Star	4	
0180.hs779	270	10:42	10:41:30.2	28:35:46	600	90	2.0	#122 Halo Star	4	
0181.COMP	10	10:42	10:41:30.2	28:35:46	600	90	2.0	#122 Halo Star	4	

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0182.hs780	150	10:42	10:41:30.8	28:23:17	600	90	2.0	#122 Halo Star	4	
0183.COMP	10	10:42	10:41:30.8	28:23:17	600	90	2.0	#122 Halo Star	4	
0184.hs781	120	10:42	10:41:56.5	28:14:45	600	90	2.0	#122 Halo Star	4	
0185.COMP	10	10:42	10:41:56.5	28:14:45	600	90	2.0	#122 Halo Star	4	
0186.hs786	300	10:42	10:49:42.3	28:15:34	600	90	2.0	#122 Halo Star	4	
0187.COMP	10	10:42	10:49:42.3	28:15:34	600	90	2.0	#122 Halo Star	4	
0188.hs787	420	10:42	10:51:26.3	28:42:26	600	90	2.0	#122 Halo Star	4	
0189.COMP	10	10:42	10:51:26.3	28:42:26	600	90	2.0	#122 Halo Star	4	
0190.hs790	420	10:42	10:55:45.0	28:09:17	600	90	2.0	#122 Halo Star	4	
0191.COMP	10	10:42	10:55:45.0	28:09:17	600	90	2.0	#122 Halo Star	4	
0192.hs791	180	10:42	10:56:01.2	28:10:54	600	90	2.0	#122 Halo Star	4	
0193.COMP	10	10:42	10:56:01.2	28:10:54	600	90	2.0	#122 Halo Star	4	
0194.hs793	360	10:42	10:57:11.0	28:20:14	600	90	2.0	#122 Halo Star	4	
0195.COMP	10	10:42	10:57:11.0	28:20:14	600	90	2.0	#122 Halo Star	4	
0196.hs796	150	10:42	11:02:10.0	27:54:58	600	90	2.0	#122 Halo Star	4	
0197.COMP	5	10:42	11:02:10.0	27:54:58	600	90	2.0	#122 Halo Star	4	
0198.hs798	45	10:42	11:05:35.3	28:01:21	600	90	2.0	#122 Halo Star	4	
0199.COMP	10	10:42	11:05:35.3	28:01:21	600	90	2.0	#122 Halo Star	4	
0200.HD105805	3	10:42	12:10:46.1	27:16:53	600	90	2.0	#122 Halo Star	4	
0201.HD105805	3	10:42	12:10:46.1	27:16:53	600	90	2.0	#122 Halo Star	4	

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0202.COMP	10	10:42	12:10:46.1	27:16:53	600	90	2.0	#122 Halo Star	4	
0203.HD106103	3	10:42	12:12:24.9	27:22:48	600	90	2.0	#122 Halo Star	4	humidity going way up
0204.HD106103	3	10:42	12:12:24.9	27:22:48	600	90	2.0	#122 Halo Star	4	
0205.COMP	10	10:42	12:12:24.9	27:22:48	600	90	2.0	#122 Halo Star	4	
0206.HD106691	3	10:42	12:16:08.4	25:45:37	600	90	2.0	#122 Halo Star	4	
0207.HD106691	8	10:42	12:16:08.4	25:45:37	600	90	2.0	#122 Halo Star	4	
0208.HD106691	8	10:42	12:16:08.4	25:45:37	600	90	2.0	#122 Halo Star	4	
0209.COMP	10	10:42	12:16:08.4	25:45:37	600	90	2.0	#122 Halo Star	4	
0210.FLAT	40	10:42	9:45:00	32:00:00	600	90	2.0	#122 Halo Star	4	for Warren, 600-line, 2-sec slit
0211-0219.FLAT	40	12:05	9:45:00	32:00:00	600	90	2.0	#122 Halo Star	4	
0220.COMP	10	12:05	13:13:23.8	+36:38:17	300	90	3.0	#2 SN Observat	2	300-line; 3-sec slit
0221.sn2001gd	180	12:05	13:13:23.8	+36:38:17	300	100	3.0	#2 SN Observat	2	back to normal setup
0222.sn2001gd	1200	12:05	13:13:23.8	+36:38:17	300	100	3.0	#2 SN Observat	2	
0223.COMP	10	12:05	13:13:23.8	+36:38:17	300	100	3.0	#2 SN Observat	2	
0224.sn2001gd	1200	12:05	13:13:23.8	+36:38:17	300	100	3.0	#2 SN Observat	2	
0225.COMP	10	12:05	13:13:23.8	+36:38:17	300	100	3.0	#2 SN Observat	2	
0226.HZ44	120	12:05	13:21:19.0	36:23:39	300	100	3.0	#56 Spectropho	2	MMT in fog
0227.HZ44	120	12:05	13:21:19.0	36:23:39	300	100	3.0	#56 Spectropho	2	
0228.COMP	10	12:05	13:21:19.0	36:23:39	300	100	3.0	#56 Spectropho	2	
0229.N4151	30	12:05	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	

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0230.N4151	30	12:05	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0231.COMP	5	12:05	12:10:32.6	+39:24:21	300	100	3.0	#6 AGN Monitor	4	
0232.MRK421	240	12:05	11:04:27.4	+38:12:32	300	100	3.0	#6 AGN Monitor	4	
0233.MRK421	240	12:05	11:04:27.4	+38:12:32	300	100	3.0	#6 AGN Monitor	4	
0234.COMP	5	12:05	11:04:27.4	+38:12:32	300	100	3.0	#6 AGN Monitor	4	
0235.N3227	120	12:05	10:23:30.6	+19:51:54	300	22	3.0	#6 AGN Monitor	4	
0236.N3227	120	12:05	10:23:30.6	+19:51:54	300	22	3.0	#6 AGN Monitor	4	
0237.COMP	5	12:05	10:23:30.6	+19:51:54	300	22	3.0	#6 AGN Monitor	4	
0238-0247.BIAS	0	13:22	10:23:30.6	+19:51:54	300	22	3.0	#6 AGN Monitor	4	
0248-0257.FLAT	8	13:25	10:23:30.6	+19:51:54	300	22	3.0	#6 AGN Monitor	4	
0258-0267.BIAS	0	13:28	10:23:30.6	+19:51:54	300	22	3.0	#6 AGN Monitor	2	
0268-0277.FLAT	16	13:33	10:23:30.6	+19:51:54	300	22	3.0	#6 AGN Monitor	2	
0278-0287.DARK	1200	16:44	10:23:30.6	+19:51:54	300	22	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	22:45	20:31:13.0	31:29:56	300	90	3.0	#6 AGN Monitor	4	
0002.DARK	900	22:45	20:46:21.0	31:29:54	300	90	3.0	#6 AGN Monitor	4	
0003.DARK	900	22:45	21:01:32.0	31:29:52	300	90	3.0	#6 AGN Monitor	4	
0004.DARK	900	22:45	21:16:44.0	31:29:50	300	90	3.0	#6 AGN Monitor	4	
0005.DARK	900	22:45	21:31:51.0	31:29:49	300	90	3.0	#6 AGN Monitor	4	
0006.DARK	900	22:45	21:47:02.0	31:29:47	300	90	3.0	#6 AGN Monitor	4	
0007.DARK	900	22:45	22:02:10.0	31:29:46	300	90	3.0	#6 AGN Monitor	4	
0008.DARK	900	22:45	22:17:21.0	31:29:45	300	90	3.0	#6 AGN Monitor	4	
0009.DARK	900	22:45	22:32:29.0	31:29:44	300	90	3.0	#6 AGN Monitor	4	
0010.DARK	900	22:45	22:47:40.0	31:29:43	300	90	3.0	#6 AGN Monitor	4	
0011.BIAS	0	22:45	23:48:24.0	31:29:42	300	90	3.0	#6 AGN Monitor	4	fog
0012-0020.BIAS	0	2:17	23:49:33.0	31:29:42	300	90	3.0	#6 AGN Monitor	4	
0021-0030.FLAT	8	2:20	23:52:31.0	31:29:42	300	90	3.0	#6 AGN Monitor	4	
0031-0040.BIAS	0	2:23	23:54:50.0	31:29:42	300	90	3.0	#6 AGN Monitor	2	
0041.FLAT	16	2:23	23:55:25.0	31:29:42	300	90	3.0	#6 AGN Monitor	2	clearing after storm
0042-0050.FLAT	16	2:27	23:59:49.0	31:29:42	300	90	3.0	#6 AGN Monitor	2	
0051.a168_183	600	2:27	01:03:12.6	-0:17:55	300	60	3.0	#64 Cluster In	4	
0052.COMP	5	2:27	01:03:12.6	-0:17:55	300	60	3.0	#64 Cluster In	4	
0053.a168_189	900	2:27	01:21:59.0	-2:35:44	300	60	3.0	#64 Cluster In	4	
0054.COMP	5	2:27	01:21:59.0	-2:35:44	300	60	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0055.ZAnd	1	2:27	23:33:40	48:49:06	300	60	3.0	#12 Symbiotic	4	
0056.ZAnd	3	2:27	23:33:40	48:49:06	300	60	3.0	#12 Symbiotic	4	
0057.ZAnd	5	2:27	23:33:40	48:49:06	300	60	3.0	#12 Symbiotic	4	
0058.ZAnd	30	2:27	23:33:40	48:49:06	300	60	3.0	#12 Symbiotic	4	
0059.ZAnd	30	2:27	23:33:40	48:49:06	300	60	3.0	#12 Symbiotic	4	
0060.COMP	5	2:27	23:33:40	48:49:06	300	60	3.0	#12 Symbiotic	4	close; fog
0061.M32	30	2:27	00:39:58	+40:35:30	300	60	3.0	#57 Velocity S	4	
0062.M32	30	2:27	00:39:58	+40:35:30	300	60	3.0	#57 Velocity S	4	
0063.COMP	5	2:27	00:39:58	+40:35:30	300	60	3.0	#57 Velocity S	4	
0064.163m217	420	2:27	00:40:33.3	+41:11:20	300	60	3.0	#57 Velocity S	4	
0065.COMP	5	2:27	00:40:33.3	+41:11:20	300	60	3.0	#57 Velocity S	4	
0066.a168_192	1200	2:27	01:15:30.0	3:28:12	300	60	3.0	#64 Cluster In	4	
0067.COMP	5	2:27	01:15:30.0	3:28:12	300	60	3.0	#64 Cluster In	4	
0068.a168_198	900	2:27	01:25:19.2	2:51:01	300	60	3.0	#64 Cluster In	4	bright sky
0069.COMP	5	2:27	01:25:19.2	2:51:01	300	60	3.0	#64 Cluster In	4	
0070.a168_202	1200	2:27	01:20:14.4	-3:14:59	300	60	3.0	#64 Cluster In	4	
0071.COMP	5	2:27	01:20:14.4	-3:14:59	300	60	3.0	#64 Cluster In	4	
0072.2M025211.4p473606	300	2:27	02:52:11.4	+47:36:06	300	60	3.0	#68 2MASS Reds	4	poor seeing
0073.COMP	5	2:27	02:52:11.4	+47:36:06	300	60	3.0	#68 2MASS Reds	4	
0074.2M025216.7p523455	600	2:27	02:52:16.7	+52:34:55	300	60	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0075.COMP	5	2:27	02:52:16.7	+52:34:55	300	60	3.0	#68 2MASS Reds	4	
0076.2M025411.9p515204	600	2:27	02:54:11.9	+51:52:04	300	60	3.0	#68 2MASS Reds	4	
0077.COMP	5	2:27	02:54:11.9	+51:52:04	300	60	3.0	#68 2MASS Reds	4	
0078.2M030131.2p602913	420	2:27	03:01:31.2	+60:29:13	300	60	3.0	#68 2MASS Reds	4	
0079.COMP	5	2:27	03:01:31.2	+60:29:13	300	60	3.0	#68 2MASS Reds	4	
0080.2M030241.3p642054	600	2:27	03:02:41.3	+64:20:54	300	60	3.0	#68 2MASS Reds	4	
0081.COMP	5	2:27	03:02:41.3	+64:20:54	300	60	3.0	#68 2MASS Reds	4	
0082.2M030248.2p744022	420	2:27	03:02:48.2	+74:40:22	300	60	3.0	#68 2MASS Reds	4	
0083.COMP	5	2:27	03:02:48.2	+74:40:22	300	60	3.0	#68 2MASS Reds	4	
0084.2M030330.3p743954	360	2:27	03:03:30.3	+74:39:54	300	60	3.0	#68 2MASS Reds	4	
0085.COMP	5	2:27	03:03:30.3	+74:39:54	300	60	3.0	#68 2MASS Reds	4	
0086.2M030555.4p541558	360	2:27	03:05:55.4	+54:15:58	300	60	3.0	#68 2MASS Reds	4	
0087.COMP	5	2:27	03:05:55.4	+54:15:58	300	60	3.0	#68 2MASS Reds	4	
0088.2M030649.1p543518	600	2:27	03:06:49.1	+54:35:18	300	60	3.0	#68 2MASS Reds	4	
0089.COMP	5	2:27	03:06:49.1	+54:35:18	300	60	3.0	#68 2MASS Reds	4	
0090.2M030936.2p713828	600	2:27	03:09:36.2	+71:38:28	300	60	3.0	#68 2MASS Reds	4	seeing > 3-sec
0091.COMP	5	2:27	03:09:36.2	+71:38:28	300	60	3.0	#68 2MASS Reds	4	
0092.Akn120	240	2:27	05:13:38.0	-00:12:15	300	10	3.0	#6 AGN Monitor	4	
0093.COMP	5	2:27	05:13:38.0	-00:12:15	300	10	3.0	#6 AGN Monitor	4	
0094.sn2001gc	1200	2:27	05:55:26.1	+51:54:34	300	0	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0095.COMP	10	2:27	05:55:26.1	+51:54:34	300	0	3.0	#2 SN Observat	2	
0096.2M031730.1p723913	720	2:27	03:17:30.1	+72:39:13	300	0	3.0	#68 2MASS Reds	4	
0097.COMP	5	2:27	03:17:30.1	+72:39:13	300	0	3.0	#68 2MASS Reds	4	
0098.2M031813.5p664942	600	2:27	03:18:13.5	+66:49:42	300	0	3.0	#68 2MASS Reds	4	
0099.COMP	5	2:27	03:18:13.5	+66:49:42	300	0	3.0	#68 2MASS Reds	4	
0100.2M032022.1p664505	600	2:27	03:20:22.1	+66:45:05	300	0	3.0	#68 2MASS Reds	4	seeing a little better
0101.COMP	5	2:27	03:20:22.1	+66:45:05	300	0	3.0	#68 2MASS Reds	4	
0102.Hiltner600	60	2:27	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0103.Hiltner600	60	2:27	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0104.COMP	10	2:27	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0105.2M032356.8p375705	240	2:27	03:23:56.8	+37:57:05	300	0	3.0	#68 2MASS Reds	4	
0106.COMP	5	2:27	03:23:56.8	+37:57:05	300	0	3.0	#68 2MASS Reds	4	
0107.BGGem	1200	2:27	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0108.BGGem	300	2:27	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0109.COMP	10	2:27	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0110.2M043525.0p324804	900	2:27	04:35:25.0	+32:48:04	300	90	3.0	#68 2MASS Reds	4	
0111.COMP	5	2:27	04:35:25.0	+32:48:04	300	90	3.0	#68 2MASS Reds	4	
0112.2M043533.7p182045	300	2:27	04:35:33.7	+18:20:45	300	90	3.0	#68 2MASS Reds	4	
0113.COMP	5	2:27	04:35:33.7	+18:20:45	300	90	3.0	#68 2MASS Reds	4	
0114.2M043630.4p732537	480	2:27	04:36:30.4	+73:25:37	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0115.COMP	5	2:27	04:36:30.4	+73:25:37	300	90	3.0	#68 2MASS Reds	4	
0116.2M051832.1p510651	420	2:27	05:18:32.1	+51:06:51	300	90	3.0	#68 2MASS Reds	4	
0117.COMP	5	2:27	05:18:32.1	+51:06:51	300	90	3.0	#68 2MASS Reds	4	
0118.2M051940.7p484121	420	2:27	05:19:40.7	+48:41:21	300	90	3.0	#68 2MASS Reds	4	
0119.COMP	5	2:27	05:19:40.7	+48:41:21	300	90	3.0	#68 2MASS Reds	4	
0120.2M052140.6p490719	420	2:27	05:21:40.6	+49:07:19	300	90	3.0	#68 2MASS Reds	4	
0121.COMP	5	2:27	05:21:40.6	+49:07:19	300	90	3.0	#68 2MASS Reds	4	
0122.2M053255.8p552335	420	2:27	05:32:55.8	+55:23:35	300	90	3.0	#68 2MASS Reds	4	
0123.COMP	5	2:27	05:32:55.8	+55:23:35	300	90	3.0	#68 2MASS Reds	4	
0124.2M053533.8p405758	480	2:27	05:35:33.8	+40:57:58	300	90	3.0	#68 2MASS Reds	4	
0125.COMP	5	2:27	05:35:33.8	+40:57:58	300	90	3.0	#68 2MASS Reds	4	
0126.2M054035.2p461222	660	2:27	05:40:35.2	+46:12:22	300	90	3.0	#68 2MASS Reds	4	
0127.COMP	5	2:27	05:40:35.2	+46:12:22	300	90	3.0	#68 2MASS Reds	4	
0128.2M054819.8p414446	600	2:27	05:48:19.8	+41:44:46	300	90	3.0	#68 2MASS Reds	4	
0129.COMP	5	2:27	05:48:19.8	+41:44:46	300	90	3.0	#68 2MASS Reds	4	
0130.2M054822.9p384138	660	2:27	05:48:22.9	+38:41:38	300	90	3.0	#68 2MASS Reds	4	
0131.COMP	5	2:27	05:48:22.9	+38:41:38	300	90	3.0	#68 2MASS Reds	4	
0132.2M054833.0p501835	660	2:27	05:48:33.0	+50:18:35	300	90	3.0	#68 2MASS Reds	4	
0133.COMP	5	2:27	05:48:33.0	+50:18:35	300	90	3.0	#68 2MASS Reds	4	
0134.2M055959.6p604629	720	2:27	05:59:59.6	+60:46:29	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0135.COMP	5	2:27	05:59:59.6	+60:46:29	300	90	3.0	#68 2MASS Reds	4	
0136.Feige34	120	2:27	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0137.Feige34	120	2:27	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0138.COMP	10	2:27	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0139.N4051	120	2:27	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0140.N4051	120	2:27	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0141.COMP	5	2:27	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0142.N4486B	300	2:27	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	patchy clouds @ twilight
0143.COMP	5	2:27	12:30:32	+12:29:25	300	90	3.0	#57 Velocity S	4	
0144-0153.BIAS	0	12:41	12:30:32	+12:29:25	300	90	3.0	#100 BGGem	4	
0154-0163.FLAT	8	12:44	12:30:32	+12:29:25	300	90	3.0	#100 BGGem	4	
0164-0173.BIAS	0	12:46	12:30:32	+12:29:25	300	90	3.0	#100 BGGem	2	
0174-0183.FLAT	16	12:51	12:30:32	+12:29:25	300	90	3.0	#100 BGGem	2	
0184-0193.DARK	1200	15:53	12:30:32	+12:29:25	300	90	3.0	#100 BGGem	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	23:24	21:14:30.0	31:29:50	300	90	3.0	#100 BGGem	4	
0002.DARK	900	23:24	21:29:38.0	31:29:49	300	90	3.0	#100 BGGem	4	
0003.DARK	900	23:24	21:44:49.0	31:29:47	300	90	3.0	#100 BGGem	4	
0004.DARK	900	23:24	21:59:57.0	31:29:46	300	90	3.0	#100 BGGem	4	
0005.DARK	900	23:24	22:15:09.0	31:29:45	300	90	3.0	#100 BGGem	4	
0006.DARK	900	23:24	22:30:19.0	31:29:44	300	90	3.0	#100 BGGem	4	
0007-0008.DARK	900	1:10	23:00:38.0	31:29:43	300	90	3.0	#100 BGGem	4	
0009.DARK	900	1:10	23:15:49.0	31:29:42	300	90	3.0	#100 BGGem	4	
0010.BDp284211	90	1:10	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0011.BDp284211	90	1:10	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0012.COMP	5	1:10	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0013.COMP	5	1:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0014.ZAnd	1	1:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	2	
0015.COMP	5	1:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0016.ZAnd	1	1:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	bin x 4
0017.ZAnd	3	1:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0018.ZAnd	5	1:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0019.ZAnd	15	1:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0020.COMP	5	1:10	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0021.MRK335	120	1:10	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	clouds in/out

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0022.COMP	5	1:10	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0023.M32	30	1:10	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0024.COMP	5	1:10	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0025.MRK335	120	1:10	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	NOTE: file names are ALL screwy!!!
0026.COMP	5	1:10	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	4	
0027.a168_206	900	1:10	01:30:21.3	-0:57:44	300	90	3.0	#64 Cluster In	4	they get appended remnants of previous names!!!!
0028.COMP	5	1:10	01:30:21.3	-0:57:44	300	90	3.0	#64 Cluster In	4	
0029.a168_211	1200	1:10	01:20:17.6	3:03:27	300	90	3.0	#64 Cluster In	4	
0030.COMP	5	1:10	01:20:17.6	3:03:27	300	90	3.0	#64 Cluster In	4	
0031.a168_219	900	1:10	01:10:51.4	3:13:34	300	90	3.0	#64 Cluster In	4	
0032.COMP	5	1:10	01:10:51.4	3:13:34	300	90	3.0	#64 Cluster In	4	
0033.a168_221	900	1:10	01:06:20.1	2:16:59	300	90	3.0	#64 Cluster In	4	
0034.COMP	5	1:10	01:06:20.1	2:16:59	300	90	3.0	#64 Cluster In	4	
0035.a168_223	600	1:10	01:30:36.4	0:27:30	300	90	3.0	#64 Cluster In	4	
0036.COMP	5	1:10	01:30:36.4	0:27:30	300	90	3.0	#64 Cluster In	4	
0037.a168_240	600	1:10	01:06:41.2	2:34:53	300	90	3.0	#64 Cluster In	4	clouds getting worse
0038.COMP	5	1:10	01:06:41.2	2:34:53	300	90	3.0	#64 Cluster In	4	
0039.a168_243	900	1:10	01:20:21.0	3:57:22	300	90	3.0	#64 Cluster In	4	
0040.COMP	5	1:10	01:20:21.0	3:57:22	300	90	3.0	#64 Cluster In	4	
0041.a168_285	900	1:10	01:08:59.9	2:28:43	300	90	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0042.COMP	5	1:10	01:08:59.9	2:28:43	300	90	3.0	#64 Cluster In	4	
0043.2M032910.4p312159	300	1:10	03:29:10.4	+31:21:59	300	90	3.0	#68 2MASS Reds	4	
0044.COMP	5	1:10	03:29:10.4	+31:21:59	300	90	3.0	#68 2MASS Reds	4	
0045.2M033029.3p365651	300	1:10	03:30:29.3	+36:56:51	300	90	3.0	#68 2MASS Reds	4	
0046.COMP	5	1:10	03:30:29.3	+36:56:51	300	90	3.0	#68 2MASS Reds	4	
0047.2M033700.5p324008	300	1:10	03:37:00.5	+32:40:08	300	90	3.0	#68 2MASS Reds	4	clouds lessening
0048.COMP	5	1:10	03:37:00.5	+32:40:08	300	90	3.0	#68 2MASS Reds	4	
0049.2M033700.5p324008	600	1:10	03:37:00.5	+32:40:08	300	90	3.0	#68 2MASS Reds	4	
0050.COMP	5	1:10	03:37:00.5	+32:40:08	300	90	3.0	#68 2MASS Reds	4	
0051.2M033638.6p630609	900	1:10	03:36:38.6	+63:06:09	300	90	3.0	#68 2MASS Reds	4	
0052.COMP	5	1:10	03:36:38.6	+63:06:09	300	90	3.0	#68 2MASS Reds	4	
0053.sn2001gc	1200	1:10	5:55:26.1	51:54:34	300	90	3.0	#2 SN observat	2	
0054.COMP	5	1:10	5:55:26.1	51:54:34	300	90	3.0	#2 SN observat	2	
0055.GB191B2B	90	1:10	05:01:31.5	52:45:52	300	90	3.0	#56 Spectropho	2	
0056.GB191B2B	90	1:10	05:01:31.5	52:45:52	300	90	3.0	#56 Spectropho	2	
0057.COMP	5	1:10	05:01:31.5	52:45:52	300	90	3.0	#56 Spectropho	2	
0058.2M044254.3p403915	900	1:10	04:42:54.3	+40:39:15	300	90	3.0	#68 2MASS Reds	4	
0059.COMP	5	1:10	04:42:54.3	+40:39:15	300	90	3.0	#68 2MASS Reds	4	
0060.COMP	5	1:10	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0061.BGGem	300	1:10	6:03:31	27:41:50	300	90	2.0	#100 BGGem	2	

UT Date 2001-12-06 Observers FalcoColl. Focus 1010 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0062.BGGem	1200	1:10	6:03:31	27:41:50	300	90	2.0	#100 BGGem	2	
0063.COMP	5	1:10	6:03:31	27:41:50	300	90	2.0	#100 BGGem	2	
0064-0069.FLAT	40	9:51	6:56:12	31:0:0	600	90	2.0	#100 BGGem	4	
0070.HD064488	60	9:51	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0071.COMP	5	9:51	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0072.HD064488	6	9:51	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0073.RR7n15	120	9:51	8:26:30.4	38:10:14	600	90	2.0	#122 Halo Star	4	
0074.COMP	5	9:51	8:26:30.4	38:10:14	600	90	2.0	#122 Halo Star	4	
0075.hs507	600	9:51	8:37:31.6	29:47:52	600	90	2.0	#122 Halo Star	4	
0076.COMP	5	9:51	8:37:31.6	29:47:52	600	90	2.0	#122 Halo Star	4	
0077.hs508	400	9:51	8:37:37.5	28:53:29	600	90	2.0	#122 Halo Star	4	
0078.COMP	5	9:51	8:37:37.5	28:53:29	600	90	2.0	#122 Halo Star	4	
0079.hs511	500	9:51	8:38:47.6	29:14:26	600	90	2.0	#122 Halo Star	4	
0080.COMP	5	9:51	8:38:47.6	29:14:26	600	90	2.0	#122 Halo Star	4	
0081.hs513	400	9:51	8:39:59.0	28:10:07	600	90	2.0	#122 Halo Star	4	
0082.COMP	5	9:51	8:39:59.0	28:10:07	600	90	2.0	#122 Halo Star	4	
0083.hs514	400	9:51	8:40:06.5	29:08:52	600	90	2.0	#122 Halo Star	4	
0084.COMP	5	9:51	8:40:06.5	29:08:52	600	90	2.0	#122 Halo Star	4	
0085.hs515	300	9:51	8:41:19.8	27:59:28	600	90	2.0	#122 Halo Star	4	
0086.COMP	5	9:51	8:41:19.8	27:59:28	600	90	2.0	#122 Halo Star	4	

UT Date 2001-12-06 Observers FalcoColl. Focus 1010 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0087.hs516	300	9:51	8:41:26.8	29:03:56	600	90	2.0	#122 Halo Star	4	clouds! moon!
0088.COMP	5	9:51	8:41:26.8	29:03:56	600	90	2.0	#122 Halo Star	4	
0089.hs518	400	9:51	8:42:51.5	29:22:25	600	90	2.0	#122 Halo Star	4	
0090.COMP	5	9:51	8:42:51.5	29:22:25	600	90	2.0	#122 Halo Star	4	
0091.hs523	400	9:51	8:44:15.0	29:31:25	600	90	2.0	#122 Halo Star	4	
0092.COMP	5	9:51	8:44:15.0	29:31:25	600	90	2.0	#122 Halo Star	4	
0093.hs525	400	9:51	8:45:45.0	29:28:19	600	90	2.0	#122 Halo Star	4	
0094.COMP	5	9:51	8:45:45.0	29:28:19	600	90	2.0	#122 Halo Star	4	
0095-0104.FLAT	8	11:55	9:24:50	31:30:0	600	90	2.0	#100 BGGem	4	
0105.sn2001hf	1200	11:55	9:5:7.4	-18:31:4	300	9	2.0	#2 SN spectros	2	
0106.COMP	5	11:55	9:5:7.4	-18:31:4	300	9	2.0	#2 SN spectros	2	
0107.Feige34	60	11:55	10:36:41.2	43:21:50	300	9	2.0	#56 Spectropho	2	
0108.ch0931p79a	1200	11:55	09:31:34.5	79:11:47	300	9	2.0	#129 CHAMP Sou	2	
0109.COMP	5	11:55	09:31:34.5	79:11:47	300	9	2.0	#129 CHAMP Sou	2	
0110-0119.FLAT	16	13:25	09:31:34.5	79:11:47	300	9	2.0	#2 SN spectros	2	
0120-0129.BIAS	0	13:28	09:31:34.5	79:11:47	300	9	2.0	#2 SN spectros	2	
0130-0139.BIAS	0	13:31	09:31:34.5	79:11:47	300	9	2.0	#2 SN spectros	4	
0140-0149.FLAT	8	13:35	09:31:34.5	79:11:47	300	9	2.0	#2 SN spectros	4	

UT Date 2001-12-07 Observers FalcoColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.BIAS	0	21:29	19:08:10.0	31:30:09	300	9	2.0	#2 SN spectros	4	bin x2
0002-0009.BIAS	0	21:30	19:09:41.0	31:30:09	300	9	2.0	#2 SN spectros	4	
0010.BIAS	0	21:30	19:09:50.0	31:30:09	300	9	2.0	#2 SN spectros	4	bin x4
0011.BIAS	0	21:30	19:23:08.0	31:30:07	300	9	2.0	#2 SN spectros	2	
0012-0020.BIAS	0	21:46	19:25:10.0	31:30:06	300	9	2.0	#2 SN spectros	2	
0021.DARK	900	21:46	19:51:39.0	31:30:02	300	9	2.0	#2 SN spectros	2	
0022.DARK	900	21:46	20:06:55.0	31:30:00	300	9	2.0	#2 SN spectros	2	
0023.DARK	900	21:46	20:22:11.0	31:29:57	300	9	2.0	#2 SN spectros	2	
0024.DARK	900	21:46	20:37:23.0	31:29:55	300	9	2.0	#2 SN spectros	2	
0025.DARK	900	21:46	20:52:40.0	31:29:53	300	9	2.0	#2 SN spectros	2	
0026.DARK	900	21:46	21:07:56.0	31:29:51	300	9	2.0	#2 SN spectros	2	
0027.DARK	900	21:46	21:23:11.0	31:29:50	300	9	2.0	#2 SN spectros	2	
0028.DARK	900	21:46	21:38:27.0	31:29:48	300	9	2.0	#2 SN spectros	2	
0029.DARK	900	21:46	21:53:43.0	31:29:47	300	9	2.0	#2 SN spectros	2	
0030.DARK	900	21:46	22:08:55.0	31:29:46	300	9	2.0	#2 SN spectros	2	
0031.sky	90	21:46	22:02:24.0	29:16:01	300	90	2.0	#57 Velocity S	4	prob. too faint
0032-0035.sky	90	1:13	22:02:24.0	29:16:01	300	90	2.0	#57 Velocity S	4	
0036.BDp284211	60	1:13	21:48:57.1	28:37:48	300	90	2.0	#56 Spectropho	4	
0037.COMP	5	1:13	21:48:57.1	28:37:48	300	90	2.0	#56 Spectropho	4	
0038.M32	6	1:13	00:39:58	+40:35:30	300	90	2.0	#57 Velocity S	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0039.COMP	5	1:13	00:39:58	+40:35:30	300	90	2.0	#57 Velocity S	4	
0040.M32	30	1:13	00:39:58	+40:35:30	300	90	2.0	#57 Velocity S	4	
0041.COMP	5	1:13	00:39:58	+40:35:30	300	90	2.0	#57 Velocity S	4	
0042.sn2001hh	1200	1:13	22:36:30.4	-12:34:08	300	90	2.0	#2 SN Observat	2	
0043.COMP	5	1:13	22:36:30.4	-12:34:08	300	90	2.0	#2 SN Observat	2	
0044.Feige110	120	1:13	23:17:23.5	-05:26:22	300	90	2.0	#56 Spectropho	2	
0045.COMP	5	1:13	23:17:23.5	-05:26:22	300	90	2.0	#56 Spectropho	2	
0046.ZAnd	1	1:13	23:33:40	48:49:06	300	90	2.0	#12 Symbiotic	4	
0047.ZAnd	3	1:13	23:33:40	48:49:06	300	90	2.0	#12 Symbiotic	4	
0048.ZAnd	5	1:13	23:33:40	48:49:06	300	90	2.0	#12 Symbiotic	4	
0049.ZAnd	15	1:13	23:33:40	48:49:06	300	90	2.0	#12 Symbiotic	4	
0050.COMP	5	1:13	23:33:40	48:49:06	300	90	2.0	#12 Symbiotic	4	
0051.id2040	600	1:13	20:05:34.1	35:48:46	300	90	2.0	#115 PMS NGC68	4	star in row 43
0052.COMP	5	1:13	20:05:34.1	35:48:46	300	90	2.0	#115 PMS NGC68	4	
0053.id2093	600	1:13	20:05:57.0	35:38:50	300	90	2.0	#115 PMS NGC68	4	
0054.COMP	5	1:13	20:05:57.0	35:38:50	300	90	2.0	#115 PMS NGC68	4	clear!
0055.id2222	600	1:13	20:05:10.4	35:40:37	300	90	2.0	#115 PMS NGC68	4	
0056.COMP	5	1:13	20:05:10.4	35:40:37	300	90	2.0	#115 PMS NGC68	4	
0057.a168_150	1200	1:13	01:19:31.2	3:54:31	300	90	2.0	#64 Cluster In	4	
0058.COMP	5	1:13	01:19:31.2	3:54:31	300	90	2.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0059.a168_156	1200	1:13	01:14:46.5	-3:41:00	300	90	2.0	#64 Cluster In	4	
0060.COMP	5	1:13	01:14:46.5	-3:41:00	300	90	2.0	#64 Cluster In	4	
0061.a168_160	1200	1:13	01:21:57.1	-2:34:29	300	90	2.0	#64 Cluster In	4	
0062.COMP	5	1:13	01:21:57.1	-2:34:29	300	90	2.0	#64 Cluster In	4	
0063.a168_203	1200	1:13	01:02:42.9	2:26:27	300	90	2.0	#64 Cluster In	4	
0064.COMP	5	1:13	01:02:42.9	2:26:27	300	90	2.0	#64 Cluster In	4	
0065.a168_218	1200	1:13	01:19:51.7	3:04:36	300	90	2.0	#64 Cluster In	4	lo S/N, repeat
0066.COMP	5	1:13	01:19:51.7	3:04:36	300	90	2.0	#64 Cluster In	4	
0067.a168_218	1200	1:13	01:19:51.7	3:04:36	300	90	2.0	#64 Cluster In	4	
0068.COMP	5	1:13	01:19:51.7	3:04:36	300	90	2.0	#64 Cluster In	4	
0069.a168_228	1200	1:13	01:19:46.9	-3:01:17	300	90	2.0	#64 Cluster In	4	
0070.COMP	5	1:13	01:19:46.9	-3:01:17	300	90	2.0	#64 Cluster In	4	
0071.a168_228	1200	1:13	01:19:46.9	-3:01:17	300	90	2.0	#64 Cluster In	4	
0072.COMP	5	1:13	01:19:46.9	-3:01:17	300	90	2.0	#64 Cluster In	4	
0073.a168_262	1200	1:13	01:22:48.6	3:22:59	300	90	2.0	#64 Cluster In	4	
0074.COMP	5	1:13	01:22:48.6	3:22:59	300	90	2.0	#64 Cluster In	4	
0075.Akn120	180	1:13	05:13:38.0	-00:12:15	300	90	2.0	#6 AGN Monitor	4	
0076.COMP	5	1:13	05:13:38.0	-00:12:15	300	90	2.0	#6 AGN Monitor	4	
0077.Hiltner600	60	1:13	06:42:37.2	02:11:25	300	90	2.0	#56 Spectropho	4	
0078.COMP	5	1:13	06:42:37.2	02:11:25	300	90	2.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0079.2M043654.0p553658	900	1:13	04:36:54.0	+55:36:58	300	90	2.0	#68 2MASS Reds	4	
0080.COMP	5	1:13	04:36:54.0	+55:36:58	300	90	2.0	#68 2MASS Reds	4	
0081.2M043703.7p245606	900	1:13	04:37:03.7	+24:56:06	300	90	2.0	#68 2MASS Reds	4	
0082.COMP	5	1:13	04:37:03.7	+24:56:06	300	90	2.0	#68 2MASS Reds	4	
0083.2M043703.8m101150	300	1:13	04:37:03.8	-10:11:50	300	90	2.0	#68 2MASS Reds	4	
0084.COMP	5	1:13	04:37:03.8	-10:11:50	300	90	2.0	#68 2MASS Reds	4	
0085.2M043735.1p541433	600	1:13	04:37:35.1	+54:14:33	300	90	2.0	#68 2MASS Reds	4	
0086.COMP	5	1:13	04:37:35.1	+54:14:33	300	90	2.0	#68 2MASS Reds	4	
0087.2M043740.9p541539	900	1:13	04:37:40.9	+54:15:39	300	90	2.0	#68 2MASS Reds	4	object: row 43
0088.COMP	5	1:13	04:37:40.9	+54:15:39	300	90	2.0	#68 2MASS Reds	4	
0089.BGGem	300	1:13	6:03:31	27:41:50	300	90	2.0	#100 BGGem	2	
0090.COMP	5	1:13	6:03:31	27:41:50	300	90	2.0	#100 BGGem	2	
0091.BGGem	1200	1:13	6:03:31	27:41:50	300	90	2.0	#100 BGGem	2	
0092.COMP	5	1:13	6:03:31	27:41:50	300	90	2.0	#100 BGGem	2	
0093-0094.FLAT	40	9:56	7:26:30	31:0:0	600	90	2.0	#100 BGGem	4	

UT Date 2001-12-08 Observers FalcoColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	21:56	10:36:41.2	43:21:50	600	90	2.0	#100 BGGem	2	
0011-0020.FLAT	16	22:04	10:36:41.2	43:21:50	300	90	2.0	#100 BGGem	2	
0021-0030.BIAS	0	22:06	10:36:41.2	43:21:50	300	90	2.0	#0 Calibration	4	
0031-0050.FLAT	8	22:21	10:36:41.2	43:21:50	300	90	3.0	#0 Calibration	4	
0051-0060.FLAT	16	22:27	10:36:41.2	43:21:50	300	90	3.0	#0 Calibration	2	
0061-0070.FLAT	40	22:41	10:36:41.2	43:21:50	600	90	2.0	#0 Calibration	4	
0071.test	8	22:41	10:36:41.2	43:21:50	300	90	2.0	#57 Velocity S	4	
0072.COMP	5	22:41	10:36:41.2	43:21:50	300	90	2.0	#57 Velocity S	4	
0073-0081.DARK	900	0:48	10:36:41.2	43:21:50	300	90	2.0	#0 Calibration	4	
0082.sky	10	0:48	10:36:41.2	43:21:50	300	90	2.0	#57 Velocity S	4	
0083.sky	90	0:48	10:36:41.2	43:21:50	300	90	2.0	#57 Velocity S	4	too late, faint
0084.COMP	5	0:48	10:36:41.2	43:21:50	300	90	2.0	#57 Velocity S	4	
0085.BDp284211	120	0:48	21:48:57.1	28:37:48	300	90	2.0	#56 Spectropho	4	
0086.COMP	5	0:48	21:48:57.1	28:37:48	300	90	2.0	#56 Spectropho	4	
0087.M32	120	0:48	00:39:58	+40:35:30	300	90	2.0	#57 Velocity S	4	
0088.COMP	5	0:48	00:39:58	+40:35:30	300	90	2.0	#57 Velocity S	4	
0089.ZAnd	1	0:48	23:33:40	48:49:06	300	90	2.0	#12 Symbiotic	4	
0090.ZAnd	3	0:48	23:33:40	48:49:06	300	90	2.0	#12 Symbiotic	4	
0091.ZAnd	5	0:48	23:33:40	48:49:06	300	90	2.0	#12 Symbiotic	4	
0092.ZAnd	15	0:48	23:33:40	48:49:06	300	90	2.0	#12 Symbiotic	4	

UT Date 2001-12-08 Observers FalcoColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0093.COMP	5	0:48	23:33:40	48:49:06	300	90	2.0	#12 Symbiotic	4	
0094.id2329	600	0:48	20:04:49.5	35:43:46	300	90	3.0	#115 PMS NGC68	4	windy
0095.COMP	5	0:48	20:04:49.5	35:43:46	300	90	3.0	#115 PMS NGC68	4	
0096.Akn564	180	0:48	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0097.Akn564	180	0:48	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0098.COMP	5	0:48	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0099.id2464	600	0:48	20:04:23.8	35:37:39	300	90	3.0	#115 PMS NGC68	4	wind gusts >40, close 19:30
0100.Feige24	60	0:48	02:32:31	03:30:51	300	90	3.0	#56 Spectropho	4	
0101.COMP	5	0:48	02:32:31	03:30:51	300	90	3.0	#56 Spectropho	4	
0102.a168_213	1200	0:48	01:29:02.9	1:25:33	300	90	3.0	#64 Cluster In	4	winds <30, open 23:30
0103.COMP	5	0:48	01:29:02.9	1:25:33	300	90	3.0	#64 Cluster In	4	
0104.a168_215	1200	0:48	01:05:20.4	2:50:56	300	90	3.0	#64 Cluster In	4	
0105.COMP	5	0:48	01:05:20.4	2:50:56	300	90	3.0	#64 Cluster In	4	
0106.a168_225	1200	0:48	01:19:28.5	3:09:00	300	90	3.0	#64 Cluster In	4	
0107.COMP	5	0:48	01:19:28.5	3:09:00	300	90	3.0	#64 Cluster In	4	
0108.a168_287	1200	0:48	01:30:38.1	0:06:53	300	90	3.0	#64 Cluster In	4	
0109.COMP	5	0:48	01:30:38.1	0:06:53	300	90	3.0	#64 Cluster In	4	
0110.sn2001gc	1200	0:48	05:55:26.1	+51:54:34	300	90	3.0	#2 SN Observat	2	
0111.COMP	5	0:48	05:55:26.1	+51:54:34	300	90	3.0	#2 SN Observat	2	
0112.Hiltner600	60	0:48	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0113.COMP	5	0:48	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0114.BGGem	300	0:48	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0115.COMP	5	0:48	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0116.BGGem	1200	0:48	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0117.COMP	5	0:48	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0118.test	10	0:48	6:59:0	31:30:0	300	90	3.0	#100 BGGem	4	
0119.Hiltner600	120	0:48	06:45:12.0	+02:06:00	600	90	3.0	#122 Halo Star	4	
0120.COMP	5	0:48	06:45:12.0	+02:06:00	600	90	2.0	#122 Halo Star	4	putrid seeing
0121.HD064488	60	0:48	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0122.COMP	5	0:48	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0123.hs529	180	0:48	8:47:28.6	28:32:15	600	90	2.0	#122 Halo Star	4	
0124.COMP	5	0:48	8:47:28.6	28:32:15	600	90	2.0	#122 Halo Star	4	
0125.hs530	600	0:48	8:47:32.1	29:29:06	600	90	2.0	#122 Halo Star	4	
0126.COMP	5	0:48	8:47:32.1	29:29:06	600	90	2.0	#122 Halo Star	4	
0127.hs531	600	0:48	8:48:19.4	27:55:11	600	90	2.0	#122 Halo Star	4	
0128.COMP	5	0:48	8:48:19.4	27:55:11	600	90	2.0	#122 Halo Star	4	
0129.hs532	500	0:48	8:48:21.2	29:04:06	600	90	2.0	#122 Halo Star	4	
0130.COMP	5	0:48	8:48:21.2	29:04:06	600	90	2.0	#122 Halo Star	4	
0131.hs533	660	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	03:30 close, gusts to 50mph
0132.COMP	5	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	



UT Date 2001-12-08 Observers Falco

Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0133.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	
0134.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	
0135.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	
0136.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	
0137.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	
0138.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	
0139.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	
0140.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	
0141.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	
0142.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	
0143.fastfoc	10	0:48	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	

UT Date 2001-12-09 Observers W. BrownColl. Focus 1600 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0002-0010.BIAS	0	19:07	8:48:41.4	29:30:17	300	90	3.0	#0 Calibratio	4	
0011-0020.FLAT	8	19:12	8:48:41.4	29:30:17	300	90	3.0	#0 Calibratio	4	
0021-0030.BIAS	0	19:18	8:48:41.4	29:30:17	300	90	3.0	#0 Calibratio	2	
0031-0040.FLAT	16	19:24	8:48:41.4	29:30:17	300	90	3.0	#0 Calibratio	2	
0041.DARK	900	19:24	8:48:41.4	29:30:17	300	90	3.0	#0 Calibratio	2	filled dewar 5:30pm
0042-0050.DARK	900	21:44	8:48:41.4	29:30:17	300	90	3.0	#0 Calibratio	2	
0051.BIAS	0	21:44	8:48:41.4	29:30:17	300	90	3.0	#0 Calibratio	4	winds down to 20mph
0052-0060.BIAS	0	0:31	8:48:41.4	29:30:17	300	90	3.0	#0 Calibratio	4	
0061.SKY	120	0:31	8:48:41.4	29:30:17	300	90	3.0		4	
0062.SKY	120	0:31	20:0:0	31:30:0	300	90	3.0		4	
0063.COMP	5	0:31	20:0:0	31:30:0	300	90	3.0		4	winds 40mph; closing
0064.FLAT	40	0:31	7:53:20.6	+26:46:21	600	90	2.0	#0 Calibratio	4	winds dropping to 30-40mph
0065-0068.FLAT	40	10:14	7:53:20.6	+26:46:21	600	90	2.0	#0 Calibratio	4	
0069-0073.FLAT	40	10:18	8:03:21.9	+27:48:05	600	90	2.0	#0 Calibratio	4	
0074.hs533	900	10:18	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	moon is up
0075.COMP	10	10:18	8:48:41.4	29:30:17	600	90	2.0	#122 Halo Star	4	5 arcsec seeing
0076.hs534	840	10:18	8:48:51.4	29:44:21	600	90	2.0	#122 Halo Star	4	
0077.COMP	10	10:18	8:48:51.4	29:44:21	600	90	2.0	#122 Halo Star	4	
0078.hs535	1020	10:18	8:50:32.8	29:30:30	600	90	2.0	#122 Halo Star	4	
0079.COMP	10	10:18	8:50:32.8	29:30:30	600	90	2.0	#122 Halo Star	4	

UT Date 2001-12-09 Observers W. BrownColl. Focus 1600 Grating/Grism 600

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0080.hs536	1020	10:18	8:51:00.5	29:44:48	600	90	2.0	#122 Halo Star	4	
0081.COMP	10	10:18	8:51:00.5	29:44:48	600	90	2.0	#122 Halo Star	4	
0082.hs537	720	10:18	8:53:10.1	29:33:28	600	90	2.0	#122 Halo Star	4	
0083.COMP	10	10:18	8:53:10.1	29:33:28	600	90	2.0	#122 Halo Star	4	
0084.hs539	800	10:18	8:54:23.6	29:14:43	600	90	2.0	#122 Halo Star	4	
0085.COMP	10	10:18	8:54:23.6	29:14:43	600	90	2.0	#122 Halo Star	4	
0086.hs540	720	10:18	8:54:40.8	29:22:41	600	90	2.0	#122 Halo Star	4	
0087.COMP	10	10:18	8:54:40.8	29:22:41	600	90	2.0	#122 Halo Star	4	
0088.hs541	660	10:18	8:54:44.0	29:23:00	600	90	2.0	#122 Halo Star	4	
0089.COMP	10	10:18	8:54:44.0	29:23:00	600	90	2.0	#122 Halo Star	4	
0090.hs542	600	10:18	8:54:54.6	29:21:01	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	10:18	8:54:54.6	29:21:01	600	90	2.0	#122 Halo Star	4	
0092.hs543	630	10:18	8:54:58.1	28:55:53	600	90	2.0	#122 Halo Star	4	
0093.COMP	10	10:18	8:54:58.1	28:55:53	600	90	2.0	#122 Halo Star	4	
0094.hs547	300	10:18	8:55:43.9	29:14:09	600	90	2.0	#122 Halo Star	4	
0095.COMP	10	10:18	8:55:43.9	29:14:09	600	90	2.0	#122 Halo Star	4	
0096.Feige34	120	10:18	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0097.Feige34	120	10:18	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0098.COMP	10	10:18	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0099-0108.FLAT	40	13:17	10:36:41.2	43:21:50	600	90	2.0	#0 Calibratio	4	

UT Date 2001-12-09 Observers W. BrownColl. Focus 1600 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>Bin</i>	<i>Comments</i>
0109-0118.BIAS	0	13:20	10:36:41.2	43:21:50	600	90	2.0	#0 Calibratio	4	
0119-0128.DARK	900	15:36	10:36:41.2	43:21:50	600	90	2.0	#0 Calibratio	4	

UT Date 2001-12-10 Observers W. BrownColl. Focus 1600 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	19:47	10:36:41.2	43:21:50	600	90	2.0	#0 Calibratio	2	
0011-0020.BIAS	0	19:50	10:36:41.2	43:21:50	600	90	2.0	#0 Calibratio	4	
0021-0030.FLAT	40	19:57	10:36:41.2	43:21:50	600	90	2.0	#0 Calibratio	4	
0031-0040.FLAT	8	20:06	10:36:41.2	43:21:50	300	90	3.0	#0 Calibratio	4	
0041-0050.FLAT	16	20:12	10:36:41.2	43:21:50	300	90	3.0	#0 Calibratio	2	
0051-0060.DARK	900	22:30	10:36:41.2	43:21:50	300	90	3.0	#0 Calibratio	2	
0061-0070.BIAS	0	0:30	10:36:41.2	43:21:50	300	90	3.0	#0 Calibratio	4	
0071.SKY	10	0:30	21:30:0	31:30:0	300	90	3.0	'	4	
0072.SKY	20	0:30	21:30:0	31:30:0	300	90	3.0	#0 Calibratio	4	
0073.COMP	5	0:30	21:30:0	31:30:0	300	90	3.0	#0 Calibratio	4	
0074.HD217086	4	0:30	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	4	set at PA=26
0075.COMP	5	0:30	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	4	
0076.HD217086	8	0:30	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	2	set at PA=26
0077.COMP	10	0:30	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	2	
0078.N7469	120	0:30	23:03:15.7	+08:52:27	300	-26	3.0	#6 AGN	4	
0079.N7469	120	0:30	23:03:15.7	+08:52:27	300	-26	3.0	#6 AGN	4	
0080.COMP	5	0:30	23:03:16.0	08:53:00	300	-26	3.0	#6 AGN	4	
0081.MRK335	120	0:30	00:06:19.6	+20:12:11	300	7	3.0	#6 AGN Monitor	4	
0082.MRK335	120	0:30	00:06:19.6	+20:12:11	300	7	3.0	#6 AGN Monitor	4	
0083.COMP	5	0:30	00:06:19.6	+20:12:11	300	7	3.0	#6 AGN Monitor	4	

UT Date 2001-12-10 Observers W. BrownColl. Focus 1600 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0084.Akn564	180	0:30	22:42:39.4	+29:43:31	300	-78	3.0	#6 AGN Monitor	4	
0085.Akn564	180	0:30	22:42:39.4	+29:43:31	300	-78	3.0	#6 AGN Monitor	4	
0086.COMP	5	0:30	22:42:39.4	+29:43:31	300	-78	3.0	#6 AGN Monitor	4	
0087.sn2001ib	1200	0:30	22:15:38.7	+37:17:56	300	83	3.0	#2 SN Observat	2	
0088.COMP	10	0:30	22:15:38.7	+37:17:56	300	83	3.0	#2 SN Observat	2	
0089.ZAnd	1	0:30	23:33:40	48:49:06	300	83	3.0	#12 Symbiotic	4	
0090.ZAnd	3	0:30	23:33:40	48:49:06	300	83	3.0	#12 Symbiotic	4	
0091.ZAnd	5	0:30	23:33:40	48:49:06	300	83	3.0	#12 Symbiotic	4	
0092.ZAnd	15	0:30	23:33:40	48:49:06	300	83	3.0	#12 Symbiotic	4	
0093.COMP	5	0:30	23:33:40	48:49:06	300	83	3.0	#12 Symbiotic	4	
0094.a119c_497	1200	0:30	01:01:17.9	-2:42:58	300	90	3.0	#64 Cluster In	4	faint
0095.COMP	5	0:30	01:01:17.9	-2:42:58	300	90	3.0	#64 Cluster In	4	
0096.a119c_504	1200	0:30	01:04:30.6	-1:48:38	300	90	3.0	#64 Cluster In	4	faint
0097.COMP	5	0:30	01:04:30.6	-1:48:38	300	90	3.0	#64 Cluster In	4	clouds moving in
0098.2M024902.2p630454	1200	0:30	02:49:02.2	+63:04:54	300	90	3.0	#68 2MASS Reds	4	gal to E (top spectra)
0099.COMP	5	0:30	02:49:02.2	+63:04:54	300	90	3.0	#68 2MASS Reds	4	
0100.2M025203.9p623550	1500	0:30	02:52:03.9	+62:35:50	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	0:30	02:52:03.9	+62:35:50	300	90	3.0	#68 2MASS Reds	4	
0102.a168_208	1200	0:30	1:18:34.5	-0:9:37	300	90	3.0	#64 Cluster In	4	East most gal
0103.COMP	5	0:30	1:18:34.5	-0:9:37	300	90	3.0	#64 Cluster In	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0104.a168_256	1200	0:30	01:22:56.2	0:22:43	300	90	3.0	#64 Cluster In	4	
0105.COMP	5	0:30	01:22:56.2	0:22:43	300	90	3.0	#64 Cluster In	4	
0106.a168_280	1200	0:30	01:13:53.8	1:02:13	300	90	3.0	#64 Cluster In	4	
0107.COMP	5	0:30	01:13:53.8	1:02:13	300	90	3.0	#64 Cluster In	4	
0108.2M043858.0p095333	660	0:30	04:38:58.0	+09:53:33	300	90	3.0	#68 2MASS Reds	4	gal is W obj
0109.COMP	5	0:30	04:38:58.0	+09:53:33	300	90	3.0	#68 2MASS Reds	4	
0110.2M043858.3p391650	840	0:30	04:38:58.3	+39:16:50	300	90	3.0	#68 2MASS Reds	4	
0111.COMP	5	0:30	04:38:58.3	+39:16:50	300	90	3.0	#68 2MASS Reds	4	
0112.2M044640.5p440041	1110	0:30	04:46:40.5	+44:00:41	300	90	3.0	#68 2MASS Reds	4	gal is E obj
0113.COMP	5	0:30	04:46:40.5	+44:00:41	300	90	3.0	#68 2MASS Reds	4	
0114.2M044740.9m101414	1200	0:30	04:47:40.9	-10:14:14	300	90	3.0	#68 2MASS Reds	4	
0115.COMP	5	0:30	04:47:40.9	-10:14:14	300	90	3.0	#68 2MASS Reds	4	
0116.2M044656.6m145136	720	0:30	04:46:56.6	-14:51:36	300	90	3.0	#68 2MASS Reds	4	
0117.COMP	5	0:30	04:46:56.6	-14:51:36	300	90	3.0	#68 2MASS Reds	4	
0118.Hiltner600	45	0:30	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0119.COMP	5	0:30	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0120.Hiltner600	90	0:30	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0121.COMP	10	0:30	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0122.Hiltner600	90	0:30	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0123.COMP	10	0:30	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0124.hs522	1320	0:30	8:43:55.5	28:56:18	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	0:30	8:43:55.5	28:56:18	600	90	2.0	#122 Halo Star	4	
0126.BGGem	1200	0:30	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0127.COMP	10	0:30	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0128.BGGem	300	0:30	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0129.COMP	10	0:30	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0130.HD064488	5	0:30	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0131.HD064488	5	0:30	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0132.HD064488	5	0:30	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	0:30	7:55:54.7	39:17:12	600	90	2.0	#122 Halo Star	4	
0134.hs524	1050	0:30	8:45:20.4	27:52:21	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	0:30	8:45:20.4	27:52:21	600	90	2.0	#122 Halo Star	4	
0136.hs527	1050	0:30	8:47:18.1	28:25:35	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	0:30	8:47:18.1	28:25:35	600	90	2.0	#122 Halo Star	4	
0138.hs528	1200	0:30	8:47:23.5	28:54:06	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	0:30	8:47:23.5	28:54:06	600	90	2.0	#122 Halo Star	4	
0140.hs538	960	0:30	8:53:24.1	28:44:45	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	0:30	8:53:24.1	28:44:45	600	90	2.0	#122 Halo Star	4	
0142.hs544	900	0:30	8:55:23.7	28:03:56	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	0:30	8:55:23.7	28:03:56	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0144.hs545	960	0:30	8:55:40.3	28:57:46	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	0:30	8:55:40.3	28:57:46	600	90	2.0	#122 Halo Star	4	
0146.hs546	750	0:30	8:55:41.1	29:42:46	600	90	2.0	#122 Halo Star	4	
0147.COMP	10	0:30	8:55:41.1	29:42:46	600	90	2.0	#122 Halo Star	4	
0148.hs554	1200	0:30	8:57:18.8	29:40:52	600	90	2.0	#122 Halo Star	4	
0149.COMP	10	0:30	8:57:18.8	29:40:52	600	90	2.0	#122 Halo Star	4	
0150.hs560	1050	0:30	9:00:18.7	28:36:12	600	90	2.0	#122 Halo Star	4	
0151.COMP	10	0:30	9:00:18.7	28:36:12	600	90	2.0	#122 Halo Star	4	
0152.hs570	1050	0:30	9:04:06.8	28:47:32	600	90	2.0	#122 Halo Star	4	
0153.COMP	10	0:30	9:04:06.8	28:47:32	600	90	2.0	#122 Halo Star	4	
0154.hs571	1200	0:30	9:04:35.8	29:31:35	600	90	2.0	#122 Halo Star	4	
0155.COMP	10	0:30	9:04:35.8	29:31:35	600	90	2.0	#122 Halo Star	4	
0156.hs591	720	0:30	9:11:31.6	28:44:40	600	90	2.0	#122 Halo Star	4	
0157.COMP	10	0:30	9:11:31.6	28:44:40	600	90	2.0	#122 Halo Star	4	
0158.hs592	1500	0:30	9:13:15.8	29:40:03	600	90	2.0	#122 Halo Star	4	
0159.COMP	10	0:30	9:13:15.8	29:40:03	600	90	2.0	#122 Halo Star	4	
0160.hs593	660	0:30	9:13:56.4	29:45:19	600	90	2.0	#122 Halo Star	4	
0161.COMP	10	0:30	9:13:56.4	29:45:19	600	90	2.0	#122 Halo Star	4	
0162.hs594	480	0:30	9:14:09.3	29:39:33	600	90	2.0	#122 Halo Star	4	
0163.COMP	10	0:30	9:14:09.3	29:39:33	600	90	2.0	#122 Halo Star	4	



UT Date 2001-12-10 Observers W. Brown

Coll. Focus 1600 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>
0164.Feige34	210	0:30	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0165.COMP	10	0:30	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	4	
0166-0175.FLAT	40	13:25	10:36:41.2	43:21:50	600	90	2.0	#0 Calibratio	4	
0176-0185.BIAS	0	13:27	10:36:41.2	43:21:50	600	90	2.0	#0 Calibratio	4	
0186-0195.DARK	900	15:44	10:36:41.2	43:21:50	600	90	2.0	#0 Calibratio	4	
0196.BIAS	0	15:44	10:36:41.2	43:21:50	600	90	2.0	#0 Calibratio	4	

UT Date 2001-12-11 Observers W. BrownColl. Focus 1600 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	22:09	10:36:41.2	43:21:50	300	90	3.0	#0 Calibration	4	
0011-0020.FLAT	8	22:15	10:36:41.2	43:21:50	300	90	3.0	#0 Calibration	4	
0021-0030.BIAS	0	22:21	10:36:41.2	43:21:50	300	90	3.0	#0 Calibration	2	
0031-0040.FLAT	15	22:26	10:36:41.2	43:21:50	300	90	3.0	#0 Calibration	2	
0041.DARK	900	22:26	10:36:41.2	43:21:50	300	90	3.0	#0 Calibration	4	20 mph wind out of W
0042-0048.DARK	900	0:17	10:36:41.2	43:21:50	300	90	3.0	#0 Calibration	4	
0049.SKY	10	0:17	22:42:53.1	+30:12:29	300	90	3.0	#0 Calibration	4	variable clouds overhead
0050.SKY	10	0:17	22:42:53.1	+30:12:29	300	90	3.0	#0 Calibration	4	heavy clouds to E
0051.COMP	5	0:17	22:42:53.1	+30:12:29	300	90	3.0	#0 Calibration	4	temp 25 F
0052.BDp284211	40	0:17	21:48:57.1	28:37:48	300	-75	3.0	#56 Spectropho	4	
0053.COMP	5	0:17	21:48:57.1	28:37:48	300	-75	3.0	#56 Spectropho	4	
0054.BDp284211	100	0:17	21:48:57.1	28:37:48	300	-75	3.0	#56 Spectropho	2	Non-Photometric
0055.COMP	10	0:17	21:48:57.1	28:37:48	300	-75	3.0	#56 Spectropho	2	
0056.id2464	600	0:17	20:04:23.8	35:37:39	300	89	3.0	#115 PMS NGC68	4	
0057.COMP	5	0:17	20:04:23.8	35:37:39	300	89	3.0	#115 PMS NGC68	4	
0058.id2859	600	0:17	19:58:42.3	35:12:12	300	89	3.0	#115 PMS NGC68	4	
0059.COMP	5	0:17	19:58:42.3	35:12:12	300	89	3.0	#115 PMS NGC68	4	
0060.id1069	630	0:17	20:07:28.4	35:55:53	300	89	3.0	#115 PMS NGC68	4	clouded out
0061.COMP	5	0:17	20:07:28.4	35:55:53	300	89	3.0	#115 PMS NGC68	4	
0062.ZAnd	1	0:17	23:33:40	48:49:06	300	89	3.0	#12 Symbiotic	4	

UT Date 2001-12-11 Observers W. BrownColl. Focus 1600 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>
0063.ZAnd	3	0:17	23:33:40	48:49:06	300	89	3.0	#12 Symbiotic	4	
0064.ZAnd	5	0:17	23:33:40	48:49:06	300	89	3.0	#12 Symbiotic	4	
0065.ZAnd	15	0:17	23:33:40	48:49:06	300	89	3.0	#12 Symbiotic	4	
0066.COMP	5	0:17	23:33:40	48:49:06	300	89	3.0	#12 Symbiotic	4	clouds everywhere; closing

UT Date 2001-12-12 Observers W. BrownColl. Focus 1600 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	7:00	23:10:43.3	+07:34:10	300	90	3.0	#0 Calibration	2	Snow has stopped
0002-0010.BIAS	0	7:02	23:10:43.3	+07:34:10	300	90	3.0	#0 Calibration	2	
0011-0020.FLAT	15	7:09	23:10:43.3	+07:34:10	300	90	3.0	#0 Calibration	2	
0021-0030.BIAS	0	7:11	23:10:43.3	+07:34:10	300	90	3.0	#0 Calibration	4	
0031-0040.FLAT	8	7:20	23:10:43.3	+07:34:10	300	90	3.0	#0 Calibration	4	
0041-0045.DARK	900	8:25	23:10:43.3	+07:34:10	300	90	3.0	#0 Calibration	4	
0046.BGGem	300	8:25	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	snow stopped, fog lifted at 4am
0047.BGGem	1200	8:25	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0048.COMP	10	8:25	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0049.sn2001ie	1200	8:25	10:16:50.7	+60:16:44	300	20	3.0	#2 SN Observat	2	
0050.COMP	10	8:25	10:16:50.7	+60:16:44	300	20	3.0	#2 SN Observat	2	
0051.Feige34	180	8:25	10:36:41.2	43:21:50	300	20	3.0	#56 Spectropho	2	
0052.COMP	10	8:25	10:36:41.2	43:21:50	300	20	3.0	#56 Spectropho	2	
0053.Feige34	180	8:25	10:36:41.2	43:21:50	300	20	3.0	#56 Spectropho	4	
0054.COMP	10	8:25	10:36:41.2	43:21:50	300	20	3.0	#56 Spectropho	4	
0055.hs595	600	8:25	9:14:09.5	29:39:50	300	90	3.0	#122 Halo Star	4	
0056.COMP	10	8:25	9:14:09.5	29:39:50	300	90	3.0	#122 Halo Star	4	
0057.hs596	330	8:25	9:14:30.1	27:58:44	300	90	3.0	#122 Halo Star	4	
0058.COMP	10	8:25	9:14:30.1	27:58:44	300	90	3.0	#122 Halo Star	4	
0059.hs597	900	8:25	9:14:51.0	29:24:27	300	90	3.0	#122 Halo Star	4	



UT Date 2001-12-12 Observers W. Brown

Coll. Focus 1600 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>
0060.COMP	10	8:25	9:14:51.0	29:24:27	300	90	3.0	#122 Halo Star	4	
0061.hs598	900	8:25	9:14:58.4	29:29:07	300	90	3.0	#122 Halo Star	4	
0062.COMP	10	8:25	9:14:58.4	29:29:07	300	90	3.0	#122 Halo Star	4	
0063.hs599	360	8:25	9:15:32.2	28:19:12	300	90	3.0	#122 Halo Star	4	
0064.COMP	10	8:25	9:15:32.2	28:19:12	300	90	3.0	#122 Halo Star	4	
0065-0074.FLAT	40	13:15	9:15:32.2	28:19:12	300	90	3.0	#122 Halo Star	4	
0075-0084.BIAS	0	13:19	9:15:32.2	28:19:12	300	90	3.0	#122 Halo Star	4	

UT Date 2001-12-13 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	3:59	02:17:39.0	31:29:50	300	90	3.0		4	
0002.DARK	900	3:59	02:32:49.0	31:29:52	300	90	3.0		4	
0003.DARK	900	3:59	02:47:57.0	31:29:54	300	90	3.0		4	
0004-0013.BIAS	0	5:32	03:36:26.0	31:30:01	300	90	3.0		4	
0014-0019.FLAT	6	5:35	03:38:53.0	31:30:01	300	90	3.0		4	
0020-0023.FLAT	6	5:36	03:39:46.0	31:30:02	300	90	3.0		4	
0024-0033.BIAS	0	5:39	03:42:57.0	31:30:02	300	90	3.0		2	
0034-0037.FLAT	12	5:41	03:45:12.0	31:30:02	300	90	3.0		2	
0038-0043.FLAT	12	5:43	03:47:44.0	31:30:03	300	90	3.0		2	
0044.Hiltner600	60	5:43	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	camera having problems due to temp...
0045.COMP	5	5:43	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0046.Hiltner600	60	5:43	06:42:37.2	02:11:25	300	47	3.0	#56 Spectropho	2	more camera woes...
0047.COMP	12	5:43	06:42:37.2	02:11:25	300	47	3.0	#56 Spectropho	2	
0048.sn2001gb	1200	5:43	09:59:00.9	+17:49:12	300	-12	3.0	#2 SN Observat	2	
0049.sn2001gb	1200	5:43	09:59:00.9	+17:49:12	300	-12	3.0	#2 SN Observat	2	
0050.COMP	12	5:43	09:59:00.9	+17:49:12	300	-12	3.0	#2 SN Observat	2	
0051.comak_055	780	5:43	12:40:11.3	33:06:39	300	90	3.0	#64f Cluster I	2	
0052.COMP	12	5:43	12:40:11.3	33:06:39	300	90	3.0	#64f Cluster I	2	
0053.comak_054	480	5:43	12:36:05.9	33:12:47	300	90	3.0	#64f Cluster I	2	
0054.COMP	12	5:43	12:36:05.9	33:12:47	300	90	3.0	#64f Cluster I	2	

UT Date 2001-12-13 Observers M CalkinsColl. Focus 990 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0055.comak_056	480	5:43	12:48:06.4	33:21:20	300	90	3.0	#64f Cluster I	2	
0056.COMP	12	5:43	12:48:06.4	33:21:20	300	90	3.0	#64f Cluster I	2	
0057.comak_057	540	5:43	12:49:43.4	23:23:47	300	90	3.0	#64f Cluster I	2	
0058.COMP	12	5:43	12:49:43.4	23:23:47	300	90	3.0	#64f Cluster I	2	
0059.HZ44	120	5:43	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0060.COMP	12	5:43	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0061-0065.sky	2	13:51	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0066.COMP	5	13:51	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0067-0076.BIAS	0	13:53	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0077-0086.FLAT	6	13:56	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0087-0096.BIAS	0	13:59	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	2	
0097-0106.FLAT	12	14:03	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	2	
0107-0116.DARK	900	16:21	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	2	

UT Date 2001-12-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	0:51	22:58:34.0	31:29:43	300	90	3.0	#57 Velocity S	4	
0011.FLAT	8	0:51	22:59:04.0	31:29:43	300	90	3.0	#57 Velocity S	4	cold; hazy; a few local clouds
0012-0020.FLAT	8	0:54	23:01:23.0	31:29:43	300	90	3.0	#57 Velocity S	4	
0021-0030.BIAS	0	0:56	23:03:34.0	31:29:43	300	90	3.0	#57 Velocity S	2	
0031-0040.FLAT	16	1:01	23:08:29.0	31:29:43	300	90	3.0	#57 Velocity S	2	
0041.ZAnd	1	1:01	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0042.ZAnd	3	1:01	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0043.ZAnd	6	1:01	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0044.ZAnd	12	1:01	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0045.ZAnd	25	1:01	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0046.COMP	5	1:01	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0047.MRK509	180	1:01	20:44:09.8	-10:43:24	300	45	3.0	#6 AGN Monitor	4	
0048.MRK509	180	1:01	20:44:09.8	-10:43:24	300	45	3.0	#6 AGN Monitor	4	
0049.COMP	5	1:01	20:44:09.8	-10:43:24	300	45	3.0	#6 AGN Monitor	4	
0050.BDp284211	60	1:01	21:48:57.1	28:37:48	300	78	3.0	#56 Spectropho	2	
0051.BDp284211	60	1:01	21:48:57.1	28:37:48	300	78	3.0	#56 Spectropho	2	
0052.COMP	10	1:01	21:48:57.1	28:37:48	300	78	3.0	#56 Spectropho	2	
0053.Feige110	150	1:01	23:17:23.5	-05:26:22	300	12	3.0	#56 Spectropho	2	
0054.Feige110	150	1:01	23:17:23.5	-05:26:22	300	12	3.0	#56 Spectropho	2	
0055.COMP	10	1:01	23:17:23.5	-05:26:22	300	12	3.0	#56 Spectropho	2	hi Susan!

UT Date 2001-12-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0056.N7469	120	1:01	23:03:15.7	+08:52:27	300	30	3.0	#6 AGN Monitor	4	
0057.N7469	120	1:01	23:03:15.7	+08:52:27	300	30	3.0	#6 AGN Monitor	4	
0058.COMP	5	1:01	23:03:15.7	+08:52:27	300	30	3.0	#6 AGN Monitor	4	
0059.sn2001ic	1200	1:01	23:10:43.3	+07:34:10	300	30	3.0	#2 SN Observat	2	
0060.COMP	10	1:01	23:10:43.3	+07:34:10	300	30	3.0	#2 SN Observat	2	
0061.Akn564	180	1:01	22:42:39.4	+29:43:31	300	79	3.0	#6 AGN Monitor	4	
0062.Akn564	180	1:01	22:42:39.4	+29:43:31	300	79	3.0	#6 AGN Monitor	4	
0063.COMP	5	1:01	22:42:39.4	+29:43:31	300	79	3.0	#6 AGN Monitor	4	
0064.sn2001ib	1200	1:01	22:15:38.7	+37:17:56	300	90	3.0	#2 SN Observat	2	
0065.COMP	10	1:01	22:15:38.7	+37:17:56	300	90	3.0	#2 SN Observat	2	
0066.MRK335	150	1:01	00:06:19.6	+20:12:11	300	50	3.0	#6 AGN Monitor	4	
0067.MRK335	150	1:01	00:06:19.6	+20:12:11	300	50	3.0	#6 AGN Monitor	4	
0068.COMP	5	1:01	00:06:19.6	+20:12:11	300	50	3.0	#6 AGN Monitor	4	
0069.M32	40	1:01	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0070.M32	40	1:01	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0071.COMP	5	1:01	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0072.225m280	300	1:01	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	4	
0073.COMP	5	1:01	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	4	
0074.ch2302p08a	720	1:01	23:02:52.0	08:41:35	300	52	3.0	#129 CHAMP Sou	2	
0075.COMP	5	1:01	23:02:52.0	08:41:35	300	52	3.0	#129 CHAMP Sou	2	

UT Date 2001-12-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.ch2302p08b	1200	1:01	23:03:8	08:42:33	300	52	3.0	#129 CHAMP Sou	2	
0077.COMP	10	1:01	23:03:8	08:42:33	300	52	3.0	#129 CHAMP Sou	2	
0078.2MJ003441.5p554122	540	1:01	00:34:41.5	+55:41:22	300	52	3.0	#68 2MASS Reds	4	
0079.COMP	5	1:01	00:34:41.5	+55:41:22	300	52	3.0	#68 2MASS Reds	4	
0080.2MJ010146.1p555655	720	1:01	01:01:46.1	+55:56:55	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	1:01	01:01:46.1	+55:56:55	300	90	3.0	#68 2MASS Reds	4	
0082.2MJ010045.3p780333	900	1:01	01:00:45.3	+78:03:33	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	1:01	01:00:45.3	+78:03:33	300	90	3.0	#68 2MASS Reds	4	
0084.2MJ010248.7p715829	720	1:01	01:02:48.7	+71:58:29	300	90	3.0	#68 2MASS Reds	4	
0085.COMP	5	1:01	01:02:48.7	+71:58:29	300	90	3.0	#68 2MASS Reds	4	
0086.2MJ010357.5p803934	720	1:01	01:03:57.5	+80:39:34	300	90	3.0	#68 2MASS Reds	4	
0087.COMP	5	1:01	01:03:57.5	+80:39:34	300	90	3.0	#68 2MASS Reds	4	
0088.2MJ011554.5p850953	240	1:01	01:15:54.5	+85:09:53	300	90	3.0	#68 2MASS Reds	4	
0089.COMP	5	1:01	01:15:54.5	+85:09:53	300	90	3.0	#68 2MASS Reds	4	
0090.2MJ012439.0m123806	720	1:01	01:24:39.0	-12:38:06	300	90	3.0	#68 2MASS Reds	4	
0091.COMP	5	1:01	01:24:39.0	-12:38:06	300	90	3.0	#68 2MASS Reds	4	
0092.2MJ014340.6m130701	360	1:01	01:43:40.6	-13:07:01	300	90	3.0	#68 2MASS Reds	4	
0093.COMP	5	1:01	01:43:40.6	-13:07:01	300	90	3.0	#68 2MASS Reds	4	
0094.2MJ022958.9m131550	300	1:01	02:29:58.9	-13:15:50	300	90	3.0	#68 2MASS Reds	4	
0095.COMP	5	1:01	02:29:58.9	-13:15:50	300	90	3.0	#68 2MASS Reds	4	

UT Date 2001-12-14 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0096.2MJ023949.0m103624	360	1:01	02:39:49.0	-10:36:24	300	90	3.0	#68 2MASS Reds	2	
0097.COMP	5	1:01	02:39:49.0	-10:36:24	300	90	3.0	#68 2MASS Reds	2	
0098.2MJ011102.8p742228	900	1:01	01:11:02.8	+74:22:28	300	90	3.0	#68 2MASS Reds	4	
0099.COMP	5	1:01	01:11:02.8	+74:22:28	300	90	3.0	#68 2MASS Reds	4	
0100.2MJ013244.1p703426	1200	1:01	01:32:44.1	+70:34:26	300	90	3.0	#68 2MASS Reds	4	
0101.COMP	5	1:01	01:32:44.1	+70:34:26	300	90	3.0	#68 2MASS Reds	4	
0102.2MJ015310.2p711115	480	1:01	01:53:10.2	+71:11:15	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	1:01	01:53:10.2	+71:11:15	300	90	3.0	#68 2MASS Reds	4	
0104.2MJ022923.2p840116	720	1:01	02:29:23.2	+84:01:16	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	1:01	02:29:23.2	+84:01:16	300	90	3.0	#68 2MASS Reds	4	
0106.sn2001if	1200	1:01	02:28:54.9	+38:05:52	300	90	3.0	#2 SN Observat	2	
0107.COMP	10	1:01	02:28:54.9	+38:05:52	300	90	3.0	#2 SN Observat	2	
0108.sn2001ep	1200	1:01	04:57:00.2	-04:45:40	300	15	3.0	#2 SN Observat	2	
0109.COMP	10	1:01	04:57:00.2	-04:45:40	300	15	3.0	#2 SN Observat	2	
0110.Akn120	210	1:01	05:13:38.0	-00:12:15	300	15	3.0	#6 AGN Monitor	4	
0111.COMP	5	1:01	05:13:38.0	-00:12:15	300	15	3.0	#6 AGN Monitor	4	
0112.2MJ033903.0m025459	660	1:01	03:39:03.0	-02:54:59	300	90	3.0	#68 2MASS Reds	2	fainter comp to east
0113.COMP	10	1:01	03:39:03.0	-02:54:59	300	90	3.0	#68 2MASS Reds	2	
0114.2MJ034858.3m010841	540	1:01	03:48:58.3	-01:08:41	300	90	3.0	#68 2MASS Reds	4	
0115.COMP	5	1:01	03:48:58.3	-01:08:41	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0116.2MJ042105.2m094710	270	1:01	04:21:05.2	-09:47:10	300	90	3.0	#68 2MASS Reds	4	
0117.COMP	5	1:01	04:21:05.2	-09:47:10	300	90	3.0	#68 2MASS Reds	4	
0118.2MJ042927.2m111607	210	1:01	04:29:27.2	-11:16:07	300	90	3.0	#68 2MASS Reds	4	
0119.COMP	5	1:01	04:29:27.2	-11:16:07	300	90	3.0	#68 2MASS Reds	4	
0120.2MJ043252.7m145728	600	1:01	04:32:52.7	-14:57:28	300	90	3.0	#68 2MASS Reds	4	
0121.COMP	5	1:01	04:32:52.7	-14:57:28	300	90	3.0	#68 2MASS Reds	4	
0122.2MJ043706.0m094518	600	1:01	04:37:06.0	-09:45:18	300	90	3.0	#68 2MASS Reds	4	
0123.COMP	5	1:01	04:37:06.0	-09:45:18	300	90	3.0	#68 2MASS Reds	4	
0124.2MJ043858.0p095333	300	1:01	04:38:58.0	+09:53:33	300	90	3.0	#68 2MASS Reds	4	
0125.COMP	5	1:01	04:38:58.0	+09:53:33	300	90	3.0	#68 2MASS Reds	4	
0126.Hiltner600	60	1:01	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0127.Hiltner600	60	1:01	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0128.COMP	10	1:01	06:42:37.2	02:11:25	300	0	3.0	#56 Spectropho	2	
0129.2MJ044953.4m093703	240	1:01	04:49:53.4	-09:37:03	300	0	3.0	#68 2MASS Reds	4	
0130.COMP	5	1:01	04:49:53.4	-09:37:03	300	0	3.0	#68 2MASS Reds	4	
0131.2MJ050811.9p050929	300	1:01	05:08:11.9	+05:09:29	300	0	3.0	#68 2MASS Reds	4	
0132.COMP	5	1:01	05:08:11.9	+05:09:29	300	0	3.0	#68 2MASS Reds	4	
0133.2MJ052344.7m094105	420	1:01	05:23:44.7	-09:41:05	300	0	3.0	#68 2MASS Reds	4	
0134.COMP	5	1:01	05:23:44.7	-09:41:05	300	0	3.0	#68 2MASS Reds	4	
0135.BGGem	1200	1:01	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0136.BGGem	300	1:01	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0137.COMP	10	1:01	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0138.2MJ052814.5p560910	600	1:01	05:28:14.5	+56:09:10	300	90	3.0	#68 2MASS Reds	4	
0139.COMP	5	1:01	05:28:14.5	+56:09:10	300	90	3.0	#68 2MASS Reds	4	
0140.2MJ052941.9p543944	600	1:01	05:29:41.9	+54:39:44	300	90	3.0	#68 2MASS Reds	4	
0141.COMP	5	1:01	05:29:41.9	+54:39:44	300	90	3.0	#68 2MASS Reds	4	
0142.2MJ053035.6p530933	540	1:01	05:30:35.6	+53:09:33	300	90	3.0	#68 2MASS Reds	4	
0143.COMP	5	1:01	05:30:35.6	+53:09:33	300	90	3.0	#68 2MASS Reds	4	
0144.2MJ054025.3p574047	540	1:01	05:40:25.3	+57:40:47	300	90	3.0	#68 2MASS Reds	4	
0145.COMP	5	1:01	05:40:25.3	+57:40:47	300	90	3.0	#68 2MASS Reds	4	
0146.2MJ054049.3p845914	600	1:01	05:40:49.3	+84:59:14	300	90	3.0	#68 2MASS Reds	2	
0147.COMP	10	1:01	05:40:49.3	+84:59:14	300	90	3.0	#68 2MASS Reds	2	
0148.2MJ054212.3p602836	480	1:01	05:42:12.3	+60:28:36	300	90	3.0	#68 2MASS Reds	4	
0149.COMP	5	1:01	05:42:12.3	+60:28:36	300	90	3.0	#68 2MASS Reds	4	
0150.sn2001gc	1200	1:01	05:55:26.1	+51:54:34	300	95	3.0	#2 SN Observat	2	
0151.COMP	10	1:01	05:55:26.1	+51:54:34	300	95	3.0	#2 SN Observat	2	
0152.ch0827p29a	600	1:01	08:27:02.2	29:15:31	300	95	3.0	#129 CHAMP Sou	4	
0153.COMP	5	1:01	08:27:02.2	29:15:31	300	95	3.0	#129 CHAMP Sou	4	
0154.sn2001fe	1200	1:01	09:37:57.1	+25:29:41	300	0	3.0	#2 SN Observat	2	
0155.COMP	10	1:01	09:37:57.1	+25:29:41	300	0	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0156.MRK110	360	1:01	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	4	
0157.COMP	5	1:01	09:25:12.9	+52:17:10	300	0	3.0	#6 AGN Monitor	4	
0158.N3227	120	1:01	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0159.N3227	120	1:01	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0160.N3227	120	1:01	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0161.COMP	5	1:01	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0162.sn2001ie	1200	1:01	10:16:50.7	+60:16:44	300	0	3.0	#2 SN Observat	2	
0163.COMP	10	1:01	10:16:50.7	+60:16:44	300	0	3.0	#2 SN Observat	2	
0164.Feige34	120	1:01	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0165.Feige34	120	1:01	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0166.COMP	10	1:01	10:36:41.2	43:21:50	300	0	3.0	#56 Spectropho	2	
0167.ch1057m03	330	1:01	10:57:01.9	-03:41:45	300	0	3.0	#129 CHAMP Sou	4	
0168.COMP	5	1:01	10:57:01.9	-03:41:45	300	0	3.0	#129 CHAMP Sou	4	
0169.ch0933p79	1200	1:01	09:33:41.9	79:02:55	300	0	3.0	#129 CHAMP Sou	4	
0170.COMP	5	1:01	09:33:41.9	79:02:55	300	0	3.0	#129 CHAMP Sou	4	
0171.MRK421	240	1:01	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0172.MRK421	240	1:01	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0173.COMP	5	1:01	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	4	
0174.N4051	150	1:01	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0175.N4051	150	1:01	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	

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<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>
0176.COMP	5	1:01	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	4	
0177.N4151	30	1:01	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	crystal clear @ dawn
0178.N4151	30	1:01	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0179.N4151	30	1:01	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0180.COMP	5	1:01	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0181-0190.BIAS	0	13:18	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0191-0200.FLAT	8	13:23	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0201-0210.BIAS	0	13:26	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0211-0220.FLAT	16	13:33	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0221-0230.DARK	1200	16:36	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0007.DARK	900	0:00	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0008.BIAS	0	0:00	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	clouds moving in from west
0009-0020.BIAS	0	0:23	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0021-0030.FLAT	8	0:26	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	4	
0031-0040.BIAS	0	0:29	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0041-0050.FLAT	16	0:34	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0051.ZAnd	1	0:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0052.ZAnd	3	0:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0053.ZAnd	5	0:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0054.ZAnd	15	0:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0055.ZAnd	30	0:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0056.COMP	5	0:34	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0057.HD217086	5	0:34	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	4	
0058.HD217086	5	0:34	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	4	
0059.HD217086	5	0:34	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	4	
0060.COMP	5	0:34	22:54:49.0	62:27:35	300	90	3.0	#56 Spectropho	4	
0061.BDp284211	45	0:34	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0062.BDp284211	45	0:34	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0063.COMP	10	0:34	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0064.2MJ203755.3m061800	300	0:34	20:37:55.3	-06:18:00	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0065.COMP	10	0:34	20:37:55.3	-06:18:00	300	90	3.0	#68 2MASS Reds	2	
0066.2MJ205151.4m134240	540	0:34	20:51:51.4	-13:42:40	300	90	3.0	#68 2MASS Reds	4	
0067.COMP	5	0:34	20:51:51.4	-13:42:40	300	90	3.0	#68 2MASS Reds	4	
0068.2MJ210144.0m143346	360	0:34	21:01:44.0	-14:33:46	300	90	3.0	#68 2MASS Reds	4	
0069.COMP	5	0:34	21:01:44.0	-14:33:46	300	90	3.0	#68 2MASS Reds	4	
0070.2MJ210229.9m142555	420	0:34	21:02:29.9	-14:25:55	300	90	3.0	#68 2MASS Reds	4	stop and go though clouds
0071.COMP	5	0:34	21:02:29.9	-14:25:55	300	90	3.0	#68 2MASS Reds	4	
0072.2MJ203829.7p103250	420	0:34	20:38:29.7	+10:32:50	300	90	3.0	#68 2MASS Reds	4	
0073.COMP	5	0:34	20:38:29.7	+10:32:50	300	90	3.0	#68 2MASS Reds	4	
0074.2MJ232122.8p520451	600	0:34	23:21:22.8	+52:04:51	300	90	3.0	#68 2MASS Reds	4	
0075.COMP	5	0:34	23:21:22.8	+52:04:51	300	90	3.0	#68 2MASS Reds	4	
0076.163m217	600	0:34	00:40:33.3	+41:11:20	300	90	3.0	#57 Velocity S	4	
0077.COMP	5	0:34	00:40:33.3	+41:11:20	300	90	3.0	#57 Velocity S	4	
0078.2MJ235341.8p703901	900	0:34	23:53:41.8	+70:39:01	300	90	3.0	#68 2MASS Reds	4	
0079.COMP	5	0:34	23:53:41.8	+70:39:01	300	90	3.0	#68 2MASS Reds	4	
0080.2MJ015435.0p560955	1200	0:34	01:54:35.0	+56:09:55	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	0:34	01:54:35.0	+56:09:55	300	90	3.0	#68 2MASS Reds	4	
0082.2MJ023249.7p493819	900	0:34	02:32:49.7	+49:38:19	300	90	3.0	#68 2MASS Reds	2	
0083.COMP	10	0:34	02:32:49.7	+49:38:19	300	90	3.0	#68 2MASS Reds	2	
0084.2MJ023435.9p114323	900	0:34	02:34:35.9	+11:43:23	300	90	3.0	#68 2MASS Reds	4	

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0085.COMP	5	0:34	02:34:35.9	+11:43:23	300	90	3.0	#68 2MASS Reds	4	
0086.2MJ031552.1p415127	480	0:34	03:15:52.1	+41:51:27	300	90	3.0	#68 2MASS Reds	4	stopped by clouds
0087.COMP	5	0:34	03:15:52.1	+41:51:27	300	90	3.0	#68 2MASS Reds	4	
0088-0097.BIAS	0	6:52	03:15:52.1	+41:51:27	300	90	3.0	#56 Spectropho	4	
0098-0107.FLAT	8	6:54	03:15:52.1	+41:51:27	300	90	3.0	#56 Spectropho	4	
0108-0117.BIAS	0	6:57	03:15:52.1	+41:51:27	300	90	3.0	#56 Spectropho	2	
0118-0127.FLAT	16	7:02	03:15:52.1	+41:51:27	300	90	3.0	#56 Spectropho	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.DARK	900	1:13	03:15:52.1	+41:51:27	300	90	3.0	#56 Spectropho	4	
0011.BIAS	0	1:13	03:15:52.1	+41:51:27	300	90	3.0	#56 Spectropho	4	snow storm; 6-in on ridge
0012-0020.BIAS	0	1:52	03:15:52.1	+41:51:27	300	90	3.0	#56 Spectropho	4	
0021-0030.FLAT	8	1:55	03:15:52.1	+41:51:27	300	90	3.0	#56 Spectropho	4	
0031-0040.BIAS	0	1:58	03:15:52.1	+41:51:27	300	90	3.0	#56 Spectropho	2	
0041-0050.FLAT	16	2:04	03:15:52.1	+41:51:27	300	90	3.0	#56 Spectropho	2	
0051.ZAnd	1	2:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0052.ZAnd	3	2:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0053.ZAnd	6	2:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0054.ZAnd	15	2:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0055.ZAnd	35	2:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0056.COMP	5	2:04	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0057.BDp284211	75	2:04	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0058.BDp284211	75	2:04	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0059.COMP	10	2:04	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0060.M32	40	2:04	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0061.M32	40	2:04	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0062.COMP	5	2:04	00:39:58	+40:35:30	300	90	3.0	#57 Velocity S	4	
0063.225m280	600	2:04	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	4	poor seeing
0064.COMP	5	2:04	00:41:45.1	+41:05:12	300	90	3.0	#57 Velocity S	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0065.2MJ024603.6p645514	1200	2:04	02:46:03.6	+64:55:14	300	90	3.0	#68 2MASS Reds	4	
0066.COMP	5	2:04	02:46:03.6	+64:55:14	300	90	3.0	#68 2MASS Reds	4	
0067.BGGem	360	2:04	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0068.BGGem	1200	2:04	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0069.COMP	10	2:04	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0070.2MJ054958.6p150109	600	2:04	05:49:58.6	+15:01:09	300	90	3.0	#68 2MASS Reds	4	
0071.COMP	5	2:04	05:49:58.6	+15:01:09	300	90	3.0	#68 2MASS Reds	4	
0072.2MJ055351.9p483220	300	2:04	05:53:51.9	+48:32:20	300	90	3.0	#68 2MASS Reds	4	
0073.COMP	5	2:04	05:53:51.9	+48:32:20	300	90	3.0	#68 2MASS Reds	4	
0074.2MJ055644.1p540301	360	2:04	05:56:44.1	+54:03:01	300	90	3.0	#68 2MASS Reds	4	
0075.COMP	5	2:04	05:56:44.1	+54:03:01	300	90	3.0	#68 2MASS Reds	4	
0076.2MJ055733.8p405426	900	2:04	05:57:33.8	+40:54:26	300	90	3.0	#68 2MASS Reds	4	
0077.COMP	5	2:04	05:57:33.8	+40:54:26	300	90	3.0	#68 2MASS Reds	4	
0078.2MJ055924.6p625941	480	2:04	05:59:24.6	+62:59:41	300	90	3.0	#68 2MASS Reds	4	
0079.COMP	5	2:04	05:59:24.6	+62:59:41	300	90	3.0	#68 2MASS Reds	4	
0080.2MJ060151.3p381400	480	2:04	06:01:51.3	+38:14:00	300	90	3.0	#68 2MASS Reds	4	
0081.COMP	5	2:04	06:01:51.3	+38:14:00	300	90	3.0	#68 2MASS Reds	4	
0082.2MJ060316.5p493255	660	2:04	06:03:16.5	+49:32:55	300	90	3.0	#68 2MASS Reds	4	
0083.COMP	5	2:04	06:03:16.5	+49:32:55	300	90	3.0	#68 2MASS Reds	4	
0084.BIAS	0	2:04	7:00:00	32:00:00	300	90	2.0	#68 2MASS Reds	4	2-sec slit

UT Date 2001-12-16 Observers P BerlindColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0085.Hiltner600	120	2:04	06:42:37.2	02:11:25	300	0	2.0	#87 IRAC Stars	4	
0086.Hiltner600	120	2:04	06:42:37.2	02:11:25	300	0	2.0	#87 IRAC Stars	4	
0087.COMP	5	2:04	06:42:37.2	02:11:25	300	0	2.0	#87 IRAC Stars	4	
0088.HD244827	60	2:04	5:34:13.2	29:53:38	300	0	2.0	#87 IRAC Stars	4	
0089.HD244827	60	2:04	5:34:13.2	29:53:38	300	0	2.0	#87 IRAC Stars	4	
0090.HD244827	60	2:04	5:34:13.2	29:53:38	300	0	2.0	#87 IRAC Stars	4	
0091.COMP	5	2:04	5:34:13.2	29:53:38	300	0	2.0	#87 IRAC Stars	4	
0092.HD244937	60	2:04	5:34:54.2	30:03:27	300	90	2.0	#87 IRAC Stars	4	
0093.HD244937	60	2:04	5:34:54.2	30:03:27	300	90	2.0	#87 IRAC Stars	4	

UT Date 2001-12-17 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0002.DARK	900	0:43	23:17:22.0	31:29:43	300	90	3.0		4	
0003.DARK	900	0:43	23:32:30.0	31:29:42	300	90	3.0		4	
0004-0013.BIAS	0	1:19	23:38:35.0	31:29:42	300	90	3.0		4	
0014-0023.FLAT	6	1:22	23:41:28.0	31:29:42	300	90	3.0		4	
0024-0033.BIAS	0	1:25	23:44:00.0	31:29:42	300	90	3.0		2	
0034-0043.FLAT	12	1:29	23:48:16.0	31:29:42	300	90	3.0		2	
0044.Feige25	120	1:29	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0045.Feige25	120	1:29	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0046.COMP	5	1:29	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0047.BDp284211	60	1:29	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0048.BDp284211	60	1:29	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0049.COMP	5	1:29	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0050.BDp284211	60	1:29	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0051.BDp284211	60	1:29	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0052.COMP	12	1:29	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0053.Akn564	180	1:29	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0054.Akn564	180	1:29	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0055.COMP	12	1:29	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0056.N7469	120	1:29	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0057.N7469	120	1:29	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0058.COMP	12	1:29	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0059.MRK335	120	1:29	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0060.MRK335	120	1:29	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0061.COMP	12	1:29	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0062.2MJ024205.3p753151	780	1:29	02:42:05.3	+75:31:51	300	90	3.0	#68 2MASS Reds	2	
0063.COMP	12	1:29	02:42:05.3	+75:31:51	300	90	3.0	#68 2MASS Reds	2	
0064.2MJ024911.5p662839	1200	1:29	02:49:11.5	+66:28:39	300	90	3.0	#68 2MASS Reds	2	row=79
0065.COMP	12	1:29	02:49:11.5	+66:28:39	300	90	3.0	#68 2MASS Reds	2	
0066.2MJ030856.4p683903	420	1:29	03:08:56.4	+68:39:03	300	90	3.0	#68 2MASS Reds	2	
0067.COMP	12	1:29	03:08:56.4	+68:39:03	300	90	3.0	#68 2MASS Reds	2	
0068.2MJ030856.4p683903	600	1:29	03:08:56.4	+68:39:03	300	90	3.0	#68 2MASS Reds	2	
0069.COMP	12	1:29	03:08:56.4	+68:39:03	300	90	3.0	#68 2MASS Reds	2	
0070.2MJ032036.9p675043	780	1:29	03:20:36.9	+67:50:43	300	90	3.0	#68 2MASS Reds	2	row=79
0071.COMP	12	1:29	03:20:36.9	+67:50:43	300	90	3.0	#68 2MASS Reds	2	
0072.2MJ032123.4p665445	1200	1:29	03:21:23.4	+66:54:45	300	90	3.0	#68 2MASS Reds	2	row=76
0073.COMP	12	1:29	03:21:23.4	+66:54:45	300	90	3.0	#68 2MASS Reds	2	
0074.2MJ032142.3p664937	720	1:29	03:21:42.3	+66:49:37	300	90	3.0	#68 2MASS Reds	2	seeing getting worse
0075.COMP	12	1:29	03:21:42.3	+66:49:37	300	90	3.0	#68 2MASS Reds	2	
0076.2MJ032311.4p654817	1200	1:29	03:23:11.4	+65:48:17	300	90	3.0	#68 2MASS Reds	2	
0077.COMP	12	1:29	03:23:11.4	+65:48:17	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0078.2MJ033319.1p660909	1200	1:29	03:33:19.1	+66:09:09	300	90	3.0	#68 2MASS Reds	2	weak exposure
0079.COMP	12	1:29	03:33:19.1	+66:09:09	300	90	3.0	#68 2MASS Reds	2	
0080.2MJ033645.8p691554	720	1:29	03:36:45.8	+69:15:54	300	90	3.0	#68 2MASS Reds	2	seeing trying to improve
0081.COMP	12	1:29	03:36:45.8	+69:15:54	300	90	3.0	#68 2MASS Reds	2	
0082.2MJ033801.3p664246	540	1:29	03:38:01.3	+66:42:46	300	90	3.0	#68 2MASS Reds	2	
0083.COMP	12	1:29	03:38:01.3	+66:42:46	300	90	3.0	#68 2MASS Reds	2	
0084.2MJ033812.1p664256	660	1:29	03:38:12.1	+66:42:56	300	90	3.0	#68 2MASS Reds	2	
0085.COMP	12	1:29	03:38:12.1	+66:42:56	300	90	3.0	#68 2MASS Reds	2	
0086.2MJ033827.3p483129	600	1:29	03:38:27.3	+48:31:29	300	90	3.0	#68 2MASS Reds	2	
0087.COMP	12	1:29	03:38:27.3	+48:31:29	300	90	3.0	#68 2MASS Reds	2	
0088.2MJ032408.2p664835	1200	1:29	03:24:08.2	+66:48:35	300	90	3.0	#68 2MASS Reds	2	
0089.COMP	12	1:29	03:24:08.2	+66:48:35	300	90	3.0	#68 2MASS Reds	2	
0090.Akn120	180	1:29	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	row=82
0091.COMP	12	1:29	05:13:38.0	-00:12:15	300	90	3.0	#6 AGN Monitor	2	
0092.BGGem	300	1:29	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0093.BGGem	1200	1:29	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0094.COMP	12	1:29	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0095.ch0413p05	1020	1:29	04:13:58.1	05:34:21	300	90	3.0	#129 CHAMP Sou	2	
0096.ch0413p05	1020	1:29	04:13:58.1	05:34:21	300	90	3.0	#129 CHAMP Sou	2	
0097.COMP	12	1:29	04:13:58.1	05:34:21	300	90	3.0	#129 CHAMP Sou	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0098.ch0622m00a	780	1:29	06:22:36.3	-00:21:23	300	90	3.0	#129 CHAMP Sou	2	row=79
0099.COMP	12	1:29	06:22:36.3	-00:21:23	300	90	3.0	#129 CHAMP Sou	2	
0100.ch0622m00b	300	1:29	06:22:38.1	-00:24:14	300	90	3.0	#129 CHAMP Sou	2	
0101.COMP	12	1:29	06:22:38.1	-00:24:14	300	90	3.0	#129 CHAMP Sou	2	
0102.ch0622m00c	1200	1:29	06:22:38.9	-00:24:18	300	90	3.0	#129 CHAMP Sou	2	row=81
0103.ch0622m00c	1200	1:29	06:22:38.9	-00:24:18	300	90	3.0	#129 CHAMP Sou	2	
0104.COMP	12	1:29	06:22:38.9	-00:24:18	300	90	3.0	#129 CHAMP Sou	2	2 arcsec slit
0105-0114.FLAT	16	9:04	06:22:38.9	-00:24:18	300	90	2.0	#87 IRAC Stars	2	
0115.Hiltner600	120	9:04	06:42:37.2	02:11:25	300	90	2.0	#56 Spectropho	2	
0116.COMP	16	9:04	06:42:37.2	02:11:25	300	90	2.0	#56 Spectropho	2	
0117.HD252265	45	9:04	6:08:47.0	19:04:03	300	90	2.0	#87 IRAC Stars	2	
0118.HD252265	45	9:04	6:08:47.0	19:04:03	300	90	2.0	#87 IRAC Stars	2	
0119.HD252265	45	9:04	6:08:47.0	19:04:03	300	90	2.0	#87 IRAC Stars	2	
0120.COMP	16	9:04	6:08:47.0	19:04:03	300	90	2.0	#87 IRAC Stars	2	
0121.HD253440	40	9:04	6:13:11.3	19:26:13	300	90	2.0	#87 IRAC Stars	2	
0122.HD253440	40	9:04	6:13:11.3	19:26:13	300	90	2.0	#87 IRAC Stars	2	
0123.HD253440	40	9:04	6:13:11.3	19:26:13	300	90	2.0	#87 IRAC Stars	2	
0124.COMP	15	9:04	6:13:11.3	19:26:13	300	90	2.0	#87 IRAC Stars	2	
0125.HD253833	35	9:04	6:14:37.3	17:58:49	300	90	2.0	#87 IRAC Stars	2	
0126.HD253833	35	9:04	6:14:37.3	17:58:49	300	90	2.0	#87 IRAC Stars	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0127.HD253833	35	9:04	6:14:37.3	17:58:49	300	90	2.0	#87 IRAC Stars	2	
0128.COMP	15	9:04	6:14:37.3	17:58:49	300	90	2.0	#87 IRAC Stars	2	
0129.HD43230	30	9:04	6:15:59.0	20:30:30	300	90	2.0	#87 IRAC Stars	2	
0130.HD43230	30	9:04	6:15:59.0	20:30:30	300	90	2.0	#87 IRAC Stars	2	
0131.HD43230	30	9:04	6:15:59.0	20:30:30	300	90	2.0	#87 IRAC Stars	2	
0132.COMP	15	9:04	6:15:59.0	20:30:30	300	90	2.0	#87 IRAC Stars	2	
0133.HD254297	30	9:04	6:16:34.9	18:23:6	300	90	2.0	#87 IRAC Stars	2	
0134.HD254297	30	9:04	6:16:34.9	18:23:6	300	90	2.0	#87 IRAC Stars	2	
0135.HD254297	30	9:04	6:16:34.9	18:23:6	300	90	2.0	#87 IRAC Stars	2	
0136.COMP	15	9:04	6:16:34.9	18:23:6	300	90	2.0	#87 IRAC Stars	2	
0137.Bp19_1287	50	9:04	6:16:58.8	19:35:33	300	90	2.0	#87 IRAC Stars	2	
0138.Bp19_1287	50	9:04	6:16:58.8	19:35:33	300	90	2.0	#87 IRAC Stars	2	
0139.Bp19_1287	50	9:04	6:16:58.8	19:35:33	300	90	2.0	#87 IRAC Stars	2	
0140.COMP	15	9:04	6:16:58.8	19:35:33	300	90	2.0	#87 IRAC Stars	2	
0141.HD254828	40	9:04	6:18:23.6	15:09:31	300	90	2.0	#87 IRAC Stars	2	
0142.HD254828	40	9:04	6:18:23.6	15:09:31	300	90	2.0	#87 IRAC Stars	2	
0143.HD254828	40	9:04	6:18:23.6	15:09:31	300	90	2.0	#87 IRAC Stars	2	
0144.COMP	15	9:04	6:18:23.6	15:09:31	300	90	2.0	#87 IRAC Stars	2	
0145.HD44128	30	9:04	6:20:43.2	15:41:39	300	90	2.0	#87 IRAC Stars	2	
0146.HD44128	30	9:04	6:20:43.2	15:41:39	300	90	2.0	#87 IRAC Stars	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0147.HD44128	30	9:04	6:20:43.2	15:41:39	300	90	2.0	#87 IRAC Stars	2	
0148.COMP	15	9:04	6:20:43.2	15:41:39	300	90	2.0	#87 IRAC Stars	2	
0149.HD55728	50	9:04	7:14:47.5	16:35:50	300	90	2.0	#87 IRAC Stars	2	
0150.HD55728	50	9:04	7:14:47.5	16:35:50	300	90	2.0	#87 IRAC Stars	2	
0151.HD55728	50	9:04	7:14:47.5	16:35:50	300	90	2.0	#87 IRAC Stars	2	
0152.COMP	15	9:04	7:14:47.5	16:35:50	300	90	2.0	#87 IRAC Stars	2	
0153.HD55677	40	9:04	7:14:31.2	13:51:36	300	90	2.0	#87 IRAC Stars	2	
0154.HD55677	40	9:04	7:14:31.2	13:51:36	300	90	2.0	#87 IRAC Stars	2	
0155.HD55677	40	9:04	7:14:31.2	13:51:36	300	90	2.0	#87 IRAC Stars	2	
0156.COMP	15	9:04	7:14:31.2	13:51:36	300	90	2.0	#87 IRAC Stars	2	
0157.Hiltner600	45	9:04	06:42:37.2	02:11:25	300	41	3.0	#56 Spectropho	2	3 arcsec slit
0158.COMP	12	9:04	06:42:37.2	02:11:25	300	41	3.0	#56 Spectropho	2	
0159.sn2001fe	1020	9:04	09:37:57.1	+25:29:41	300	110	3.0	#2 SN Observat	2	
0160.COMP	12	9:04	09:37:57.1	+25:29:41	300	110	3.0	#2 SN Observat	2	
0161.sn2001gb	1200	9:04	09:59:00.9	+17:49:12	300	-44	3.0	#2 SN Observat	2	
0162.COMP	12	9:04	09:59:00.9	+17:49:12	300	-44	3.0	#2 SN Observat	2	
0163.sn2001ie	1200	9:04	10:16:50.7	+60:16:44	300	24	3.0	#2 SN Observat	2	
0164.COMP	12	9:04	10:16:50.7	+60:16:44	300	24	3.0	#2 SN Observat	2	
0165.Feige34	120	9:04	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	2	slit=2, 600L, tilt=430
0166.COMP	10	9:04	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0167.hs517	1200	9:04	8:42:25.0	29:13:35	600	90	2.0	#122 Halo Star	2	star is just too faint
0168.COMP	10	9:04	8:42:25.0	29:13:35	600	90	2.0	#122 Halo Star	2	
0169.hs548	720	9:04	8:56:01.9	29:25:49	600	90	2.0	#122 Halo Star	2	
0170.COMP	10	9:04	8:56:01.9	29:25:49	600	90	2.0	#122 Halo Star	2	
0171.hs549	600	9:04	8:56:40.0	29:01:22	600	90	2.0	#122 Halo Star	2	
0172.COMP	10	9:04	8:56:40.0	29:01:22	600	90	2.0	#122 Halo Star	2	
0173.hs550	1200	9:04	8:56:42.3	28:00:25	600	90	2.0	#122 Halo Star	2	
0174.COMP	10	9:04	8:56:42.3	28:00:25	600	90	2.0	#122 Halo Star	2	
0175.hs551	720	9:04	8:56:55.4	28:54:39	600	90	2.0	#122 Halo Star	2	
0176.COMP	10	9:04	8:56:55.4	28:54:39	600	90	2.0	#122 Halo Star	2	
0177.hs552	1200	9:04	8:57:01.9	29:10:48	600	90	2.0	#122 Halo Star	2	
0178.COMP	10	9:04	8:57:01.9	29:10:48	600	90	2.0	#122 Halo Star	2	
0179.hs556	540	9:04	8:58:27.8	29:20:11	600	90	2.0	#122 Halo Star	2	
0180.COMP	10	9:04	8:58:27.8	29:20:11	600	90	2.0	#122 Halo Star	2	
0181-0190.FLAT	40	13:34	8:58:27.8	29:20:11	600	90	2.0	#122 Halo Star	2	
0191.sky	2	13:34	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	4	back to normal setup
0192-0195.sky	2	13:54	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	4	
0196.COMP	5	13:54	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	4	
0197-0206.BIAS	0	13:56	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	4	
0207-0216.FLAT	6	13:59	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	4	

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<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>
0217-0226.BIAS	0	14:02	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	2	
0227-0236.FLAT	12	14:06	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	2	
0237-0246.DARK	900	16:25	8:58:27.8	29:20:11	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
0001-0005.DARK	900	0:09	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	4	
0006-0015.BIAS	0	0:25	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	4	
0016-0025.FLAT	6	0:28	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	4	
0026-0035.BIAS	0	0:30	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	2	
0036-0045.FLAT	12	0:34	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	2	
0046-0050.sky	2	0:49	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	4	
0051.COMP	5	0:49	8:58:27.8	29:20:11	300	90	3.0	#57 Velocity S	4	
0052.BDp284211	30	0:49	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	Great seeing!!
0053.BDp284211	30	0:49	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0054.COMP	5	0:49	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0055.BDp284211	30	0:49	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0056.BDp284211	30	0:49	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0057.COMP	12	0:49	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0058.BDp284211	30	0:49	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0059.BDp284211	30	0:49	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0060.COMP	12	0:49	21:48:57.1	28:37:48	300	77	3.0	#56 Spectropho	2	
0061.id1069	360	0:49	20:07:28.4	35:55:53	300	90	3.0	#115 PMS NGC68	2	
0062.COMP	12	0:49	20:07:28.4	35:55:53	300	90	3.0	#115 PMS NGC68	2	
0063.id1123	420	0:49	20:07:23.0	35:41:07	300	90	3.0	#115 PMS NGC68	2	
0064.COMP	12	0:49	20:07:23.0	35:41:07	300	90	3.0	#115 PMS NGC68	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0065.id1145	540	0:49	20:07:21.4	35:47:06	300	90	3.0	#115 PMS NGC68	2	
0066.COMP	12	0:49	20:07:21.4	35:47:06	300	90	3.0	#115 PMS NGC68	2	
0067.id1309	480	0:49	20:07:04.1	35:56:39	300	90	3.0	#115 PMS NGC68	2	row=79
0068.COMP	12	0:49	20:07:04.1	35:56:39	300	90	3.0	#115 PMS NGC68	2	
0069.sn2001ic	900	0:49	23:10:43.3	+07:34:10	300	39	3.0	#2 SN Observat	2	very faint
0070.sn2001ic	900	0:49	23:10:43.3	+07:34:10	300	39	3.0	#2 SN Observat	2	
0071.COMP	12	0:49	23:10:43.3	+07:34:10	300	39	3.0	#2 SN Observat	2	
0072.2MJ033853.3p641458	1020	0:49	03:38:53.3	+64:14:58	300	0	3.0	#68 2MASS Reds	2	rotate to isolate
0073.COMP	12	0:49	03:38:53.3	+64:14:58	300	0	3.0	#68 2MASS Reds	2	
0074.2MJ033854.4p661750	1200	0:49	03:38:54.4	+66:17:50	300	0	3.0	#68 2MASS Reds	2	
0075.COMP	12	0:49	03:38:54.4	+66:17:50	300	0	3.0	#68 2MASS Reds	2	
0076.2MJ033933.9p203140	240	0:49	03:39:33.9	+20:31:40	300	90	3.0	#68 2MASS Reds	2	
0077.COMP	12	0:49	03:39:33.9	+20:31:40	300	90	3.0	#68 2MASS Reds	2	
0078.2MJ033947.1p652848	840	0:49	03:39:47.1	+65:28:48	300	90	3.0	#68 2MASS Reds	2	
0079.COMP	12	0:49	03:39:47.1	+65:28:48	300	90	3.0	#68 2MASS Reds	2	
0080.2MJ034031.6p664904	420	0:49	03:40:31.6	+66:49:04	300	90	3.0	#68 2MASS Reds	2	
0081.COMP	12	0:49	03:40:31.6	+66:49:04	300	90	3.0	#68 2MASS Reds	2	
0082.2MJ034134.4p665837	600	0:49	03:41:34.4	+66:58:37	300	90	3.0	#68 2MASS Reds	2	
0083.COMP	12	0:49	03:41:34.4	+66:58:37	300	90	3.0	#68 2MASS Reds	2	
0084.sn2001if	1200	0:49	02:28:54.9	+38:05:52	300	-39	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0085.COMP	12	0:49	02:28:54.9	+38:05:52	300	-39	3.0	#2 SN Observat	2	
0086.a496_321	1200	0:49	04:16:40.1	-15:27:24	300	90	3.0	#64 Cluster In	2	
0087.COMP	12	0:49	04:16:40.1	-15:27:24	300	90	3.0	#64 Cluster In	2	
0088.a496_395	1200	0:49	04:36:32.4	-11:00:09	300	90	3.0	#64 Cluster In	2	
0089.COMP	12	0:49	04:36:32.4	-11:00:09	300	90	3.0	#64 Cluster In	2	
0090.a496_394	1200	0:49	04:19:26.7	-13:04:52	300	90	3.0	#64 Cluster In	2	weak exposure
0091.COMP	12	0:49	04:19:26.7	-13:04:52	300	90	3.0	#64 Cluster In	2	
0092.a496_473	1200	0:49	04:33:02.2	-10:06:14	300	69	3.0	#64 Cluster In	2	
0093.COMP	12	0:49	04:33:02.2	-10:06:14	300	69	3.0	#64 Cluster In	2	
0094.a496_548	1200	0:49	04:25:29.6	-10:35:39	300	110	3.0	#64 Cluster In	2	
0095.COMP	12	0:49	04:25:29.6	-10:35:39	300	110	3.0	#64 Cluster In	2	
0096.sn2001ep	1200	0:49	04:57:00.2	-04:45:40	300	13	3.0	#2 SN Observat	2	
0097.COMP	12	0:49	04:57:00.2	-04:45:40	300	13	3.0	#2 SN Observat	2	
0098.2MJ052323.4p463316	300	0:49	05:23:23.4	+46:33:16	300	13	3.0	#68 2MASS Reds	2	get again
0099.COMP	12	0:49	05:23:23.4	+46:33:16	300	13	3.0	#68 2MASS Reds	2	
0100.2MJ052323.4p463316	480	0:49	05:23:23.4	+46:33:16	300	13	3.0	#68 2MASS Reds	2	
0101.COMP	12	0:49	05:23:23.4	+46:33:16	300	13	3.0	#68 2MASS Reds	2	
0102.ch0622m00d	300	0:49	06:22:40.0	-00:26:52	300	13	3.0	#129 CHAMP Sou	2	
0103.COMP	12	0:49	06:22:40.0	-00:26:52	300	13	3.0	#129 CHAMP Sou	2	
0104.ch0622m00e	900	0:49	06:22:44.9	-00:14:58	300	13	3.0	#129 CHAMP Sou	2	row=80

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0105.COMP	12	0:49	06:22:44.9	-00:14:58	300	13	3.0	#129 CHAMP Sou	2	
0106.ch0622m00f	1200	0:49	06:22:46.6	-00:09:49	300	90	3.0	#129 CHAMP Sou	2	row=79
0107.COMP	12	0:49	06:22:46.6	-00:09:49	300	90	3.0	#129 CHAMP Sou	2	
0108.ch0622m00g	180	0:49	06:22:48.8	-00:20:32	300	90	3.0	#129 CHAMP Sou	2	
0109.COMP	12	0:49	06:22:48.8	-00:20:32	300	90	3.0	#129 CHAMP Sou	2	
0110.ch0622m00h	1200	0:49	06:22:54.0	-00:21:46	300	90	3.0	#129 CHAMP Sou	2	
0111.COMP	12	0:49	06:22:54.0	-00:21:46	300	90	3.0	#129 CHAMP Sou	2	
0112.ch0622m00i	720	0:49	06:22:54.6	-00:17:38	300	90	3.0	#129 CHAMP Sou	2	
0113.COMP	12	0:49	06:22:54.6	-00:17:38	300	90	3.0	#129 CHAMP Sou	2	
0114.ch0827p29c	720	0:49	08:27:18.9	29:18:43	300	90	3.0	#129 CHAMP Sou	2	
0115.COMP	12	0:49	08:27:18.9	29:18:43	300	90	3.0	#129 CHAMP Sou	2	
0116.HS0810p2554	900	0:49	8:13:31	25:45:03	300	-9	3.0	#84 Updated Zw	2	Gravitational Lens
0117.COMP	12	0:49	8:13:31	25:45:03	300	-9	3.0	#84 Updated Zw	2	
0118.Feige34	90	0:49	10:36:41.2	43:21:50	300	75	3.0	#56 Spectropho	2	
0119.COMP	12	0:49	10:36:41.2	43:21:50	300	75	3.0	#56 Spectropho	2	
0120.Feige34	120	0:49	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	2	600L, Tilt=430, 2 arcsec
0121.COMP	10	0:49	10:36:41.2	43:21:50	600	90	2.0	#56 Spectropho	2	
0122.hs553	960	0:49	8:57:08.7	29:08:08	600	90	2.0	#122 Halo Star	2	
0123.COMP	12	0:49	8:57:08.7	29:08:08	600	90	2.0	#122 Halo Star	2	
0124.hs555	240	0:49	8:57:30.1	27:49:19	600	90	2.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0125.COMP	10	0:49	8:57:30.1	27:49:19	600	90	2.0	#122 Halo Star	2	
0126.hs557	1020	0:49	9:00:00.9	29:38:04	600	99	2.0	#122 Halo Star	2	rotate to isolate
0127.COMP	10	0:49	9:00:00.9	29:38:04	600	99	2.0	#122 Halo Star	2	
0128.hs558	240	0:49	9:00:07.8	27:55:20	600	90	2.0	#122 Halo Star	2	
0129.COMP	10	0:49	9:00:07.8	27:55:20	600	90	2.0	#122 Halo Star	2	
0130.hs559	420	0:49	9:00:18.1	29:29:19	600	90	2.0	#122 Halo Star	2	
0131.COMP	10	0:49	9:00:18.1	29:29:19	600	90	2.0	#122 Halo Star	2	
0132.hs561	240	0:49	9:00:42.4	28:40:29	600	90	2.0	#122 Halo Star	2	
0133.COMP	10	0:49	9:00:42.4	28:40:29	600	90	2.0	#122 Halo Star	2	
0134.hs562	660	0:49	9:00:43.5	29:25:49	600	90	2.0	#122 Halo Star	2	
0135.COMP	10	0:49	9:00:43.5	29:25:49	600	90	2.0	#122 Halo Star	2	
0136.hs563	830	0:49	9:01:18.3	28:00:45	600	90	2.0	#122 Halo Star	2	low counts, get again
0137.COMP	10	0:49	9:01:18.3	28:00:45	600	90	2.0	#122 Halo Star	2	
0138.hs563	830	0:49	9:01:18.3	28:00:45	600	90	2.0	#122 Halo Star	2	clouds overhead!
0139.COMP	10	0:49	9:01:18.3	28:00:45	600	90	2.0	#122 Halo Star	2	
0140.hs564	1200	0:49	9:01:45.0	28:59:14	600	90	2.0	#122 Halo Star	2	
0141.COMP	10	0:49	9:01:45.0	28:59:14	600	90	2.0	#122 Halo Star	2	
0142.hs565	900	0:49	9:02:15.8	29:14:51	600	90	2.0	#122 Halo Star	2	
0143.COMP	10	0:49	9:02:15.8	29:14:51	600	90	2.0	#122 Halo Star	2	
0144.hs566	480	0:49	9:02:22.9	29:01:00	600	90	2.0	#122 Halo Star	2	

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<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>
0145.COMP	10	0:49	9:02:22.9	29:01:00	600	90	2.0	#122 Halo Star	2	
0146.hs567	360	0:49	9:02:32.1	28:56:10	600	90	2.0	#122 Halo Star	2	
0147.COMP	10	0:49	9:02:32.1	28:56:10	600	90	2.0	#122 Halo Star	2	
0148-0157.FLAT	40	13:31	9:03:13.9	29:28:49	600	90	2.0	#122 Halo Star	2	
0158-0167.BIAS	0	13:37	9:03:13.9	29:28:49	300	90	3.0		4	
0168-0177.FLAT	6	13:40	9:03:13.9	29:28:49	300	90	3.0		4	
0178-0187.BIAS	0	13:43	9:03:13.9	29:28:49	300	90	3.0		2	
0188-0197.FLAT	12	13:48	9:03:13.9	29:28:49	300	90	3.0		2	
0198-0207.DARK	900	16:07	9:03:13.9	29:28:49	300	90	3.0		2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.BIAS	0	22:08	20:34:43.0	31:29:58	300	90	3.0		4	
0002-0010.BIAS	0	22:20	20:46:30.0	31:29:56	300	90	3.0		4	
0011.DARK	900	22:20	21:03:04.0	31:29:54	300	90	3.0		4	
0012.DARK	900	22:20	21:18:15.0	31:29:52	300	90	3.0		4	
0013.DARK	900	22:20	21:33:26.0	31:29:50	300	90	3.0		4	
0014.DARK	900	22:20	21:48:34.0	31:29:49	300	90	3.0		4	
0015.DARK	900	22:20	22:03:44.0	31:29:47	300	90	3.0		4	
0016-0025.FLAT	6	23:39	22:06:33.0	31:29:47	300	90	3.0		4	
0026-0035.BIAS	0	23:42	22:08:57.0	31:29:47	300	90	3.0		2	
0036.DARK	900	23:42	22:24:22.0	31:29:46	300	90	3.0		2	
0037.DARK	900	23:42	22:39:38.0	31:29:45	300	90	3.0		2	
0038.DARK	900	23:42	22:54:54.0	31:29:44	300	90	3.0		2	
0039-0040.DARK	900	0:43	23:25:26.0	31:29:43	300	90	3.0		2	
0041-0050.FLAT	12	1:08	23:35:16.0	31:29:42	300	90	3.0		2	
0051.BDp284211	30	1:08	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0052.BDp284211	30	1:08	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0053.COMP	12	1:08	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0054.2MJ2139151p335426	300	1:08	21:39:15.1	+33:54:26	300	90	3.0	#68 2MASS Reds	2	too faint, redo
0055.COMP	12	1:08	21:39:15.1	+33:54:26	300	90	3.0	#68 2MASS Reds	2	
0056.2MJ2139151p335426	900	1:08	21:39:15.1	+33:54:26	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0057.COMP	12	1:08	21:39:15.1	+33:54:26	300	90	3.0	#68 2MASS Reds	2	
0058.2MJ2235071p390503	420	1:08	22:35:07.1	+39:05:03	300	90	3.0	#68 2MASS Reds	2	
0059.COMP	12	1:08	22:35:07.1	+39:05:03	300	90	3.0	#68 2MASS Reds	2	
0060.2MJ2231176p415744	360	1:08	22:31:17.6	+41:57:44	300	90	3.0	#68 2MASS Reds	2	
0061.COMP	12	1:08	22:31:17.6	+41:57:44	300	90	3.0	#68 2MASS Reds	2	
0062.2MJ2228546p514141	480	1:08	22:28:54.6	+51:41:41	300	90	3.0	#68 2MASS Reds	2	
0063.COMP	12	1:08	22:28:54.6	+51:41:41	300	90	3.0	#68 2MASS Reds	2	
0064.2MJ2230121p510536	480	1:08	22:30:12.1	+51:05:36	300	90	3.0	#68 2MASS Reds	2	
0065.COMP	12	1:08	22:30:12.1	+51:05:36	300	90	3.0	#68 2MASS Reds	2	
0066.2MJ2235338p510308	360	1:08	22:35:33.8	+51:03:08	300	90	3.0	#68 2MASS Reds	2	
0067.COMP	12	1:08	22:35:33.8	+51:03:08	300	90	3.0	#68 2MASS Reds	2	
0068.2MJ2301463p521317	360	1:08	23:01:46.3	+52:13:17	300	90	3.0	#68 2MASS Reds	2	
0069.COMP	12	1:08	23:01:46.3	+52:13:17	300	90	3.0	#68 2MASS Reds	2	
0070.2MJ2309592p512605	360	1:08	23:09:59.2	+51:26:05	300	90	3.0	#68 2MASS Reds	2	
0071.COMP	12	1:08	23:09:59.2	+51:26:05	300	90	3.0	#68 2MASS Reds	2	
0072.2MJ2313249p513257	360	1:08	23:13:24.9	+51:32:57	300	90	3.0	#68 2MASS Reds	2	
0073.COMP	12	1:08	23:13:24.9	+51:32:57	300	90	3.0	#68 2MASS Reds	2	
0074.2MJ2347529p492828	300	1:08	23:47:52.9	+49:28:28	300	90	3.0	#68 2MASS Reds	2	
0075.COMP	12	1:08	23:47:52.9	+49:28:28	300	90	3.0	#68 2MASS Reds	2	
0076.2MJ2352586p515813	300	1:08	23:52:58.6	+51:58:13	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0077.COMP	12	1:08	23:52:58.6	+51:58:13	300	90	3.0	#68 2MASS Reds	2	
0078.2MJ2359438p515417	360	1:08	23:59:43.8	+51:54:17	300	90	3.0	#68 2MASS Reds	2	
0079.COMP	12	1:08	23:59:43.8	+51:54:17	300	90	3.0	#68 2MASS Reds	2	
0080.2MJ0027416p493009	420	1:08	00:27:41.6	+49:30:09	300	90	3.0	#68 2MASS Reds	2	
0081.COMP	12	1:08	00:27:41.6	+49:30:09	300	90	3.0	#68 2MASS Reds	2	
0082.2MJ0047076p443202	360	1:08	00:47:07.6	+44:32:02	300	90	3.0	#68 2MASS Reds	2	
0083.COMP	12	1:08	00:47:07.6	+44:32:02	300	90	3.0	#68 2MASS Reds	2	
0084.2MJ0050360p545644	360	1:08	00:50:36.0	+54:56:44	300	90	3.0	#68 2MASS Reds	2	
0085.COMP	12	1:08	00:50:36.0	+54:56:44	300	90	3.0	#68 2MASS Reds	2	
0086.2MJ0050451p560745	480	1:08	00:50:45.1	+56:07:45	300	90	3.0	#68 2MASS Reds	2	
0087.COMP	12	1:08	00:50:45.1	+56:07:45	300	90	3.0	#68 2MASS Reds	2	
0088.2MJ0111139p711324	360	1:08	01:11:13.9	+71:13:24	300	90	3.0	#68 2MASS Reds	2	
0089.COMP	12	1:08	01:11:13.9	+71:13:24	300	90	3.0	#68 2MASS Reds	2	
0090.2MJ0113391p690429	480	1:08	01:13:39.1	+69:04:29	300	90	3.0	#68 2MASS Reds	2	
0091.COMP	12	1:08	01:13:39.1	+69:04:29	300	90	3.0	#68 2MASS Reds	2	
0092.2MJ0113416p733833	420	1:08	01:13:41.6	+73:38:33	300	90	3.0	#68 2MASS Reds	2	row=75
0093.COMP	12	1:08	01:13:41.6	+73:38:33	300	90	3.0	#68 2MASS Reds	2	
0094.2MJ0115427p555946	480	1:08	01:15:42.7	+55:59:46	300	90	3.0	#68 2MASS Reds	2	
0095.COMP	12	1:08	01:15:42.7	+55:59:46	300	90	3.0	#68 2MASS Reds	2	
0096.2MJ0121558p560137	480	1:08	01:21:55.8	+56:01:37	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0097.COMP	12	1:08	01:21:55.8	+56:01:37	300	90	3.0	#68 2MASS Reds	2	
0098.2MJ0123025p495619	480	1:08	01:23:02.5	+49:56:19	300	90	3.0	#68 2MASS Reds	2	
0099.COMP	12	1:08	01:23:02.5	+49:56:19	300	90	3.0	#68 2MASS Reds	2	
0100.2MJ0420123p360844	360	1:08	04:20:12.3	+36:08:44	300	90	3.0	#68 2MASS Reds	2	
0101.COMP	12	1:08	04:20:12.3	+36:08:44	300	90	3.0	#68 2MASS Reds	2	
0102.2MJ0420160p305356	360	1:08	04:20:16.0	+30:53:56	300	90	3.0	#68 2MASS Reds	2	
0103.COMP	12	1:08	04:20:16.0	+30:53:56	300	90	3.0	#68 2MASS Reds	2	
0104.2MJ0420399m064401	300	1:08	04:20:39.9	-06:44:01	300	90	3.0	#68 2MASS Reds	2	
0105.COMP	12	1:08	04:20:39.9	-06:44:01	300	90	3.0	#68 2MASS Reds	2	
0106.2MJ0420438m035233	300	1:08	04:20:43.8	-03:52:33	300	90	3.0	#68 2MASS Reds	2	
0107.COMP	12	1:08	04:20:43.8	-03:52:33	300	90	3.0	#68 2MASS Reds	2	
0108.2MJ0420533m030942	300	1:08	04:20:53.3	-03:09:42	300	90	3.0	#68 2MASS Reds	2	
0109.COMP	12	1:08	04:20:53.3	-03:09:42	300	90	3.0	#68 2MASS Reds	2	
0110.2MJ0420506m094550	360	1:08	04:20:50.6	-09:45:50	300	90	3.0	#68 2MASS Reds	2	
0111.COMP	12	1:08	04:20:50.6	-09:45:50	300	90	3.0	#68 2MASS Reds	2	
0112.2MJ0421017m094419	480	1:08	04:21:01.7	-09:44:19	300	90	3.0	#68 2MASS Reds	2	
0113.COMP	12	1:08	04:21:01.7	-09:44:19	300	90	3.0	#68 2MASS Reds	2	
0114.2MJ0421541m061349	360	1:08	04:21:54.1	-06:13:49	300	90	3.0	#68 2MASS Reds	2	
0115.COMP	12	1:08	04:21:54.1	-06:13:49	300	90	3.0	#68 2MASS Reds	2	
0116.2MJ0422021m034019	360	1:08	04:22:02.1	-03:40:19	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0117.COMP	12	1:08	04:22:02.1	-03:40:19	300	90	3.0	#68 2MASS Reds	2	
0118.2MJ0421428m021218	300	1:08	04:21:42.8	-02:12:18	300	90	3.0	#68 2MASS Reds	2	
0119.COMP	12	1:08	04:21:42.8	-02:12:18	300	90	3.0	#68 2MASS Reds	2	
0120.2MJ0423245m072215	240	1:08	04:23:24.5	-07:22:15	300	90	3.0	#68 2MASS Reds	2	
0121.COMP	12	1:08	04:23:24.5	-07:22:15	300	90	3.0	#68 2MASS Reds	2	
0122.2MJ0423282m114724	240	1:08	04:23:28.2	-11:47:24	300	90	3.0	#68 2MASS Reds	2	
0123.COMP	12	1:08	04:23:28.2	-11:47:24	300	90	3.0	#68 2MASS Reds	2	
0124.2MJ0425011m095420	300	1:08	04:25:01.1	-09:54:20	300	90	3.0	#68 2MASS Reds	2	two objs in slit
0125.COMP	12	1:08	04:25:01.1	-09:54:20	300	90	3.0	#68 2MASS Reds	2	
0126.2MJ0427471p404330	240	1:08	04:27:47.1	+40:43:30	300	90	3.0	#68 2MASS Reds	2	
0127.COMP	12	1:08	04:27:47.1	+40:43:30	300	90	3.0	#68 2MASS Reds	2	
0128.2MJ0427303p375002	480	1:08	04:27:30.3	+37:50:02	300	90	3.0	#68 2MASS Reds	2	
0129.COMP	12	1:08	04:27:30.3	+37:50:02	300	90	3.0	#68 2MASS Reds	2	
0130.2MJ0427303p375002	600	1:08	04:27:30.3	+37:50:02	300	90	3.0	#68 2MASS Reds	2	
0131.COMP	12	1:08	04:27:30.3	+37:50:02	300	90	3.0	#68 2MASS Reds	2	
0132.2MJ0429295p263151	480	1:08	04:29:29.5	+26:31:51	300	90	3.0	#68 2MASS Reds	2	
0133.COMP	12	1:08	04:29:29.5	+26:31:51	300	90	3.0	#68 2MASS Reds	2	
0134.2MJ0437037p245605	480	1:08	04:37:03.7	+24:56:05	300	90	3.0	#68 2MASS Reds	2	
0135.COMP	12	1:08	04:37:03.7	+24:56:05	300	90	3.0	#68 2MASS Reds	2	
0136.2MJ0437233p223228	480	1:08	04:37:23.3	+22:32:28	300	90	3.0	#68 2MASS Reds	2	

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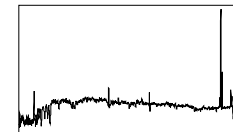
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0137.COMP	12	1:08	04:37:23.3	+22:32:28	300	90	3.0	#68 2MASS Reds	2	
0138.2MJ0527065p064344	480	1:08	05:27:06.5	+06:43:44	300	90	3.0	#68 2MASS Reds	2	
0139.COMP	12	1:08	05:27:06.5	+06:43:44	300	90	3.0	#68 2MASS Reds	2	
0140.2MJ0527357p065552	480	1:08	05:27:35.7	+06:55:52	300	90	3.0	#68 2MASS Reds	2	
0141.COMP	12	1:08	05:27:35.7	+06:55:52	300	90	3.0	#68 2MASS Reds	2	
0142.2MJ0530181p532114	420	1:08	05:30:18.1	+53:21:14	300	90	3.0	#68 2MASS Reds	2	
0143.COMP	12	1:08	05:30:18.1	+53:21:14	300	90	3.0	#68 2MASS Reds	2	
0144.2MJ0531033p611745	420	1:08	05:31:03.3	+61:17:45	300	90	3.0	#68 2MASS Reds	2	
0145.COMP	12	1:08	05:31:03.3	+61:17:45	300	90	3.0	#68 2MASS Reds	2	
0146.2MJ0532558p552335	480	1:08	05:32:55.8	+55:23:35	300	90	3.0	#68 2MASS Reds	2	
0147.COMP	12	1:08	05:32:55.8	+55:23:35	300	90	3.0	#68 2MASS Reds	2	
0148.2MJ0536049p523042	420	1:08	05:36:04.9	+52:30:42	300	90	3.0	#68 2MASS Reds	2	
0149.COMP	12	1:08	05:36:04.9	+52:30:42	300	90	3.0	#68 2MASS Reds	2	
0150.2MJ0536081p513208	480	1:08	05:36:08.1	+51:32:08	300	90	3.0	#68 2MASS Reds	2	
0151.COMP	12	1:08	05:36:08.1	+51:32:08	300	90	3.0	#68 2MASS Reds	2	
0152.2MJ0535566p522754	480	1:08	05:35:56.6	+52:27:54	300	90	3.0	#68 2MASS Reds	2	
0153.COMP	12	1:08	05:35:56.6	+52:27:54	300	90	3.0	#68 2MASS Reds	2	
0154.2MJ0740510p643939	420	1:08	07:40:51.0	+64:39:39	300	90	3.0	#68 2MASS Reds	2	
0155.COMP	12	1:08	07:40:51.0	+64:39:39	300	90	3.0	#68 2MASS Reds	2	
0156.2MJ0737483p645941	240	1:08	07:37:48.3	+64:59:41	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0157.COMP	12	1:08	07:37:48.3	+64:59:41	300	90	3.0	#68 2MASS Reds	2	
0158.2MJ0801302p565404	360	1:08	08:01:30.2	+56:54:04	300	90	3.0	#68 2MASS Reds	2	
0159.COMP	12	1:08	08:01:30.2	+56:54:04	300	90	3.0	#68 2MASS Reds	2	
0160.2MJ0806387p670253	480	1:08	08:06:38.7	+67:02:53	300	90	3.0	#68 2MASS Reds	2	
0161.COMP	12	1:08	08:06:38.7	+67:02:53	300	90	3.0	#68 2MASS Reds	2	
0162.sn2001gc	1200	1:08	05:55:26.1	51:54:34	300	90	3.0	#2 SN Observat	2	
0163.COMP	12	1:08	05:55:26.1	51:54:34	300	90	3.0	#2 SN Observat	2	
0164.Hiltner600	45	1:08	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0165.COMP	12	1:08	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0166.2MJ1003552p544254	420	1:08	10:03:55.2	+54:42:54	300	90	3.0	#68 2MASS Reds	2	
0167.COMP	12	1:08	10:03:55.2	+54:42:54	300	90	3.0	#68 2MASS Reds	2	
0168.2MJ1005118p501059	360	1:08	10:05:11.8	+50:10:59	300	90	3.0	#68 2MASS Reds	2	
0169.COMP	12	1:08	10:05:11.8	+50:10:59	300	90	3.0	#68 2MASS Reds	2	
0170.2MJ1012336p581425	360	1:08	10:12:33.6	+58:14:25	300	90	3.0	#68 2MASS Reds	2	
0171.COMP	12	1:08	10:12:33.6	+58:14:25	300	90	3.0	#68 2MASS Reds	2	
0172.2MJ1013390p592602	360	1:08	10:13:39.0	+59:26:02	300	90	3.0	#68 2MASS Reds	2	
0173.COMP	12	1:08	10:13:39.0	+59:26:02	300	90	3.0	#68 2MASS Reds	2	
0174.2MJ1036037p813224	300	1:08	10:36:03.7	+81:32:24	300	90	3.0	#68 2MASS Reds	2	
0175.COMP	12	1:08	10:36:03.7	+81:32:24	300	90	3.0	#68 2MASS Reds	2	
0176.2MJ1306491p825158	300	1:08	13:06:49.1	+82:51:58	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0177.COMP	12	1:08	13:06:49.1	+82:51:58	300	90	3.0	#68 2MASS Reds	2	
0178.2MJ1130533p261928	420	1:08	11:30:53.3	+26:19:28	300	90	3.0	#68 2MASS Reds	2	
0179.COMP	12	1:08	11:30:53.3	+26:19:28	300	90	3.0	#68 2MASS Reds	2	
0180.2MJ1147333p233720	420	1:08	11:47:33.3	+23:37:20	300	90	3.0	#68 2MASS Reds	2	
0181.COMP	12	1:08	11:47:33.3	+23:37:20	300	90	3.0	#68 2MASS Reds	2	
0182.2MJ1152463p232833	360	1:08	11:52:46.3	+23:28:33	300	90	3.0	#68 2MASS Reds	2	
0183.COMP	12	1:08	11:52:46.3	+23:28:33	300	90	3.0	#68 2MASS Reds	2	
0184.2MJ1233111p480257	360	1:08	12:33:11.1	+48:02:57	300	90	3.0	#68 2MASS Reds	2	
0185.COMP	12	1:08	12:33:11.1	+48:02:57	300	90	3.0	#68 2MASS Reds	2	
0186.2MJ1244082p445330	360	1:08	12:44:08.2	+44:53:30	300	90	3.0	#68 2MASS Reds	2	
0187.COMP	12	1:08	12:44:08.2	+44:53:30	300	90	3.0	#68 2MASS Reds	2	
0188.HZ44	30	1:08	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0189.HZ44	30	1:08	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0190.COMP	12	1:08	13:21:19.0	36:23:39	300	90	3.0	#56 Spectropho	2	
0191-0198.BIAS	0	13:25	13:21:19.0	36:23:39	300	90	3.0		2	
0199-0200.BIAS	0	13:25	11:55:00	31:30:00	300	90	3.0		2	
0201-0210.FLAT	12	13:30	11:55:00	31:30:00	300	90	3.0		2	
0211-0214.sky	20	13:55	11:55:00	31:30:00	300	90	3.0	#57 Velocity S	2	
0215-0217.sky	15	13:57	11:55:00	31:30:00	300	90	3.0	#57 Velocity S	2	
0218-0219.sky	10	13:58	11:55:00	31:30:00	300	90	3.0	#57 Velocity S	2	



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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>
0220.sky	7	13:58	11:55:00	31:30:00	300	90	3.0	#57 Velocity S	2	
0221-0225.DARK	900	15:01	11:55:00	31:30:00	300	90	3.0	#57 Velocity S	2	

UT Date 2001-12-20 Observers Lucas MacriColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	22:55	11:55:00	31:30:00	300	90	3.0		2	
0011-0020.FLAT	12	23:01	11:55:00	31:30:00	300	90	3.0		2	
0021-0025.DARK	900	0:04	11:55:00	31:30:00	300	90	3.0	#57 Velocity S	2	
0026-0030.sky	5	0:43	21:00:00	31:29:44	300	90	3.0	#57 Velocity S	2	
0031-0035.sky	7	0:45	21:00:00	31:29:44	300	90	3.0	#57 Velocity S	2	
0036.COMP	12	0:45	21:00:00	31:29:44	300	90	3.0	#57 Velocity S	2	
0037.BDp284211	30	0:45	21:48:57.1	28:37:48	300	90	3.0	#57 Velocity S	2	
0038.BDp284211	30	0:45	21:48:57.1	28:37:48	300	90	3.0	#57 Velocity S	2	
0039.COMP	12	0:45	21:48:57.1	28:37:48	300	90	3.0	#57 Velocity S	2	
0040.2MJ2035554p775107	480	0:45	20:35:55.4	+77:51:07	300	90	3.0	#68 2MASS Reds	2	
0041.COMP	12	0:45	20:35:55.4	+77:51:07	300	90	3.0	#68 2MASS Reds	2	
0042.2MJ2032233p655526	720	0:45	20:32:23.3	+65:55:26	300	9	3.0	#68 2MASS Reds	2	galaxy along slit, nice Halpha
0043.COMP	12	0:45	20:32:23.3	+65:55:26	300	90	3.0	#68 2MASS Reds	2	
0044.2MJ2042224p245443	480	0:45	20:42:22.4	+24:54:43	300	90	3.0	#68 2MASS Reds	2	
0045.COMP	12	0:45	20:42:22.4	+24:54:43	300	90	3.0	#68 2MASS Reds	2	
0046.2MJ2041260p262604	420	0:45	20:41:26.0	+26:26:04	300	90	3.0	#68 2MASS Reds	2	
0047.COMP	12	0:45	20:41:26.0	+26:26:04	300	90	3.0	#68 2MASS Reds	2	
0048.2MJ2048431p251653	420	0:45	20:48:43.1	+25:16:53	300	90	3.0	#68 2MASS Reds	2	
0049.COMP	12	0:45	20:48:43.1	+25:16:53	300	90	3.0	#68 2MASS Reds	2	
0050.2MJ2236564p501141	420	0:45	22:36:56.4	+50:11:41	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0051.COMP	12	0:45	22:36:56.4	+50:11:41	300	90	3.0	#68 2MASS Reds	2	
0052.2MJ2238210p503109	360	0:45	22:38:21.0	+50:31:09	300	59	3.0	#68 2MASS Reds	2	
0053.COMP	12	0:45	22:38:21.0	+50:31:09	300	90	3.0	#68 2MASS Reds	2	
0054.2MJ2237118p521436	360	0:45	22:37:11.8	+52:14:36	300	59	3.0	#68 2MASS Reds	2	3 components
0055.COMP	12	0:45	22:37:11.8	+52:14:36	300	90	3.0	#68 2MASS Reds	2	
0056.2MJ2241058p514216	360	0:45	22:41:05.8	+51:42:16	300	45	3.0	#68 2MASS Reds	2	
0057.COMP	12	0:45	22:41:05.8	+51:42:16	300	90	3.0	#68 2MASS Reds	2	
0058.2MJ2250183p515621	480	0:45	22:50:18.3	+51:56:21	300	90	3.0	#68 2MASS Reds	2	
0059.COMP	12	0:45	22:50:18.3	+51:56:21	300	90	3.0	#68 2MASS Reds	2	
0060.2MJ2249585p531707	480	0:45	22:49:58.5	+53:17:07	300	90	3.0	#68 2MASS Reds	2	
0061.COMP	12	0:45	22:49:58.5	+53:17:07	300	90	3.0	#68 2MASS Reds	2	
0062.2MJ2253409p500057	480	0:45	22:53:40.9	+50:00:57	300	90	3.0	#68 2MASS Reds	2	
0063.COMP	12	0:45	22:53:40.9	+50:00:57	300	90	3.0	#68 2MASS Reds	2	
0064.2MJ2251429p380953	480	0:45	22:51:42.9	+38:09:53	300	90	3.0	#68 2MASS Reds	2	
0065.COMP	12	0:45	22:51:42.9	+38:09:53	300	90	3.0	#68 2MASS Reds	2	
0066.2MJ2256434p385908	480	0:45	22:56:43.4	+38:59:08	300	90	3.0	#68 2MASS Reds	2	
0067.COMP	12	0:45	22:56:43.4	+38:59:08	300	90	3.0	#68 2MASS Reds	2	
0068.2MJ2252555p435228	420	0:45	22:52:55.5	+43:52:28	300	90	3.0	#68 2MASS Reds	2	
0069.COMP	12	0:45	22:52:55.5	+43:52:28	300	90	3.0	#68 2MASS Reds	2	
0070.2MJ0006468p082533	480	0:45	00:06:46.8	+08:25:33	300	90	3.0	#68 2MASS Reds	2	

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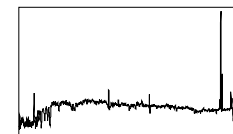
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0071.COMP	12	0:45	00:06:46.8	+08:25:33	300	90	3.0	#68 2MASS Reds	2	
0072.2MJ0027228p105052	420	0:45	00:27:22.8	+10:50:52	300	44	3.0	#68 2MASS Reds	2	
0073.COMP	12	0:45	00:27:22.8	+10:50:52	300	90	3.0	#68 2MASS Reds	2	
0074.2MJ0109182p023402	360	0:45	01:09:18.2	+02:34:02	300	90	3.0	#68 2MASS Reds	2	
0075.COMP	12	0:45	01:09:18.2	+02:34:02	300	90	3.0	#68 2MASS Reds	2	
0076.2MJ0127240p550352	600	0:45	01:27:24.0	+55:03:52	300	90	3.0	#68 2MASS Reds	2	
0077.COMP	12	0:45	01:27:24.0	+55:03:52	300	90	3.0	#68 2MASS Reds	2	
0078.2MJ0131138p554512	600	0:45	01:31:13.8	+55:45:12	300	90	3.0	#68 2MASS Reds	2	
0079.COMP	12	0:45	01:31:13.8	+55:45:12	300	90	3.0	#68 2MASS Reds	2	
0080.2MJ0131353p553402	600	0:45	01:31:35.3	+55:34:02	300	90	3.0	#68 2MASS Reds	2	
0081.COMP	12	0:45	01:31:35.3	+55:34:02	300	90	3.0	#68 2MASS Reds	2	
0082.2MJ0127576p514002	360	0:45	01:27:57.6	+51:40:02	300	90	3.0	#68 2MASS Reds	2	two gals in slit
0083.COMP	12	0:45	01:27:57.6	+51:40:02	300	90	3.0	#68 2MASS Reds	2	
0084.2MJ0142126p453608	420	0:45	01:42:12.6	+45:36:08	300	90	3.0	#68 2MASS Reds	2	
0085.COMP	12	0:45	01:42:12.6	+45:36:08	300	90	3.0	#68 2MASS Reds	2	
0086.2MJ0149510p483911	420	0:45	01:49:51.0	+48:39:11	300	90	3.0	#68 2MASS Reds	2	
0087.COMP	12	0:45	01:49:51.0	+48:39:11	300	90	3.0	#68 2MASS Reds	2	
0088.2MJ0146439p275734	360	0:45	01:46:43.9	+27:57:34	300	90	3.0	#68 2MASS Reds	2	
0089.COMP	12	0:45	01:46:43.9	+27:57:34	300	90	3.0	#68 2MASS Reds	2	
0090.2MJ0310487p192614	360	0:45	03:10:48.7	+19:26:14	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0091.COMP	12	0:45	03:10:48.7	+19:26:14	300	90	3.0	#68 2MASS Reds	2	
0092.2MJ0311169p112948	420	0:45	03:11:16.9	+11:29:48	300	90	3.0	#68 2MASS Reds	2	
0093.COMP	12	0:45	03:11:16.9	+11:29:48	300	90	3.0	#68 2MASS Reds	2	
0094.2MJ0312069p155040	420	0:45	03:12:06.9	+15:50:40	300	90	3.0	#68 2MASS Reds	2	
0095.COMP	12	0:45	03:12:06.9	+15:50:40	300	90	3.0	#68 2MASS Reds	2	
0096.2MJ0312148p352207	360	0:45	03:12:14.8	+35:22:07	300	90	3.0	#68 2MASS Reds	2	
0097.COMP	12	0:45	03:12:14.8	+35:22:07	300	90	3.0	#68 2MASS Reds	2	
0098.2MJ0311077p351926	360	0:45	03:11:07.7	+35:19:26	300	90	3.0	#68 2MASS Reds	2	
0099.COMP	12	0:45	03:11:07.7	+35:19:26	300	90	3.0	#68 2MASS Reds	2	
0100.2MJ0310330p420002	360	0:45	03:10:33.0	+42:00:02	300	90	3.0	#68 2MASS Reds	2	row=75
0101.COMP	12	0:45	03:10:33.0	+42:00:02	300	90	3.0	#68 2MASS Reds	2	
0102.2MJ0311073p424102	360	0:45	03:11:07.3	+42:41:02	300	90	3.0	#68 2MASS Reds	2	
0103.COMP	12	0:45	03:11:07.3	+42:41:02	300	90	3.0	#68 2MASS Reds	2	
0104.2MJ0314160p422454	300	0:45	03:14:16.0	+42:24:54	300	90	3.0	#68 2MASS Reds	2	
0105.COMP	12	0:45	03:14:16.0	+42:24:54	300	90	3.0	#68 2MASS Reds	2	
0106.2MJ0313083p424652	360	0:45	03:13:08.3	+42:46:52	300	90	3.0	#68 2MASS Reds	2	
0107.COMP	12	0:45	03:13:08.3	+42:46:52	300	90	3.0	#68 2MASS Reds	2	
0108.2MJ0316473p471034	300	0:45	03:16:47.3	+47:10:34	300	90	3.0	#68 2MASS Reds	2	
0109.COMP	12	0:45	03:16:47.3	+47:10:34	300	90	3.0	#68 2MASS Reds	2	
0110.2MJ0316512p464734	480	0:45	03:16:51.2	+46:47:34	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0111.COMP	12	0:45	03:16:51.2	+46:47:34	300	90	3.0	#68 2MASS Reds	2	
0112.2MJ0317003p404341	420	0:45	03:17:00.3	+40:43:41	300	90	3.0	#68 2MASS Reds	2	
0113.COMP	12	0:45	03:17:00.3	+40:43:41	300	90	3.0	#68 2MASS Reds	2	
0114.2MJ0317055p401540	360	0:45	03:17:05.5	+40:15:40	300	90	3.0	#68 2MASS Reds	2	
0115.COMP	12	0:45	03:17:05.5	+40:15:40	300	90	3.0	#68 2MASS Reds	2	
0116.2MJ0420586p660905	420	0:45	04:20:58.6	+66:09:05	300	90	3.0	#68 2MASS Reds	2	
0117.COMP	12	0:45	04:20:58.6	+66:09:05	300	90	3.0	#68 2MASS Reds	2	
0118.2MJ0420586p660905	600	0:45	04:20:58.6	+66:09:05	300	90	3.0	#68 2MASS Reds	2	
0119.COMP	12	0:45	04:20:58.6	+66:09:05	300	90	3.0	#68 2MASS Reds	2	
0120.2MJ0420437p355035	420	0:45	04:20:43.7	+35:50:35	300	90	3.0	#68 2MASS Reds	2	
0121.COMP	12	0:45	04:20:43.7	+35:50:35	300	90	3.0	#68 2MASS Reds	2	
0122.2MJ0600000p604629	420	0:45	06:00:00.0	+60:46:29	300	90	3.0	#68 2MASS Reds	2	
0123.COMP	12	0:45	06:00:00.0	+60:46:29	300	90	3.0	#68 2MASS Reds	2	
0124.2MJ0559246p625941	360	0:45	05:59:24.6	+62:59:41	300	90	3.0	#68 2MASS Reds	2	
0125.COMP	12	0:45	05:59:24.6	+62:59:41	300	90	3.0	#68 2MASS Reds	2	
0126.2MJ0601194p662302	360	0:45	06:01:19.4	+66:23:02	300	90	3.0	#68 2MASS Reds	2	
0127.COMP	12	0:45	06:01:19.4	+66:23:02	300	90	3.0	#68 2MASS Reds	2	
0128.2MJ0605286p501441	360	0:45	06:05:28.6	+50:14:41	300	90	3.0	#68 2MASS Reds	2	
0129.COMP	12	0:45	06:05:28.6	+50:14:41	300	90	3.0	#68 2MASS Reds	2	
0130.2MJ0610156p533031	420	0:45	06:10:15.6	+53:30:31	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0131.COMP	12	0:45	06:10:15.6	+53:30:31	300	90	3.0	#68 2MASS Reds	2	
0132.2MJ0614078p510402	360	0:45	06:14:07.8	+51:04:02	300	90	3.0	#68 2MASS Reds	2	
0133.COMP	12	0:45	06:14:07.8	+51:04:02	300	90	3.0	#68 2MASS Reds	2	
0134.2MJ0614294p510650	360	0:45	06:14:29.4	+51:06:50	300	84	3.0	#68 2MASS Reds	2	two gals in slit
0135.COMP	12	0:45	06:14:29.4	+51:06:50	300	90	3.0	#68 2MASS Reds	2	
0136.2MJ0614366p513040	360	0:45	06:14:36.6	+51:30:40	300	90	3.0	#68 2MASS Reds	2	
0137.COMP	12	0:45	06:14:36.6	+51:30:40	300	90	3.0	#68 2MASS Reds	2	
0138.2MJ0615102p513818	360	0:45	06:15:10.2	+51:38:18	300	90	3.0	#68 2MASS Reds	2	
0139.COMP	12	0:45	06:15:10.2	+51:38:18	300	90	3.0	#68 2MASS Reds	2	
0140.2MJ0615334p515846	300	0:45	06:15:33.4	+51:58:46	300	90	3.0	#68 2MASS Reds	2	
0141.COMP	12	0:45	06:15:33.4	+51:58:46	300	90	3.0	#68 2MASS Reds	2	
0142.2MJ0615323p561445	360	0:45	06:15:32.3	+56:14:45	300	90	3.0	#68 2MASS Reds	2	
0143.COMP	12	0:45	06:15:32.3	+56:14:45	300	90	3.0	#68 2MASS Reds	2	
0144.2MJ0618559p512806	360	0:45	06:18:55.9	+51:28:06	300	90	3.0	#68 2MASS Reds	2	
0145.COMP	12	0:45	06:18:55.9	+51:28:06	300	90	3.0	#68 2MASS Reds	2	
0146.2MJ0620531p514458	360	0:45	06:20:53.1	+51:44:58	300	90	3.0	#68 2MASS Reds	2	
0147.COMP	12	0:45	06:20:53.1	+51:44:58	300	90	3.0	#68 2MASS Reds	2	
0148.2MJ0620260p533448	300	0:45	06:20:26.0	+53:34:48	300	90	3.0	#68 2MASS Reds	2	
0149.COMP	12	0:45	06:20:26.0	+53:34:48	300	90	3.0	#68 2MASS Reds	2	
0150.2MJ0622090p540807	360	0:45	06:22:09.0	+54:08:07	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0151.COMP	12	0:45	06:22:09.0	+54:08:07	300	90	3.0	#68 2MASS Reds	2	
0152.2MJ0620472p664252	300	0:45	06:20:47.2	+66:42:52	300	90	3.0	#68 2MASS Reds	2	
0153.COMP	12	0:45	06:20:47.2	+66:42:52	300	90	3.0	#68 2MASS Reds	2	
0154.2MJ0625420p511742	300	0:45	06:25:42.0	+51:17:42	300	90	3.0	#68 2MASS Reds	2	
0155.COMP	12	0:45	06:25:42.0	+51:17:42	300	90	3.0	#68 2MASS Reds	2	
0156.2MJ0630539p523030	300	0:45	06:30:53.9	+52:30:30	300	90	3.0	#68 2MASS Reds	2	
0157.COMP	12	0:45	06:30:53.9	+52:30:30	300	90	3.0	#68 2MASS Reds	2	
0158.2MJ0638348p512842	360	0:45	06:38:34.8	+51:28:42	300	90	3.0	#68 2MASS Reds	2	
0159.COMP	12	0:45	06:38:34.8	+51:28:42	300	90	3.0	#68 2MASS Reds	2	
0160.2MJ0815316p611604	360	0:45	08:15:31.6	+61:16:04	300	90	3.0	#68 2MASS Reds	2	
0161.COMP	12	0:45	08:15:31.6	+61:16:04	300	90	3.0	#68 2MASS Reds	2	
0162.2MJ0819378p594240	360	0:45	08:19:37.8	+59:42:40	300	90	3.0	#68 2MASS Reds	2	
0163.COMP	12	0:45	08:19:37.8	+59:42:40	300	90	3.0	#68 2MASS Reds	2	
0164.2MJ0821000p551630	420	0:45	08:21:00.0	+55:16:30	300	90	3.0	#68 2MASS Reds	2	
0165.COMP	12	0:45	08:21:00.0	+55:16:30	300	90	3.0	#68 2MASS Reds	2	
0166.2MJ0833419p412515	300	0:45	08:33:41.9	+41:25:15	300	90	3.0	#68 2MASS Reds	2	
0167.COMP	12	0:45	08:33:41.9	+41:25:15	300	90	3.0	#68 2MASS Reds	2	
0168.2MJ0832137p555155	180	0:45	08:32:13.7	+55:51:55	300	90	3.0	#68 2MASS Reds	2	
0169.COMP	12	0:45	08:32:13.7	+55:51:55	300	90	3.0	#68 2MASS Reds	2	
0170.2MJ0855060p490922	360	0:45	08:55:06.0	+49:09:22	300	56	3.0	#68 2MASS Reds	2	two gals in slit

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0171.COMP	12	0:45	08:55:06.0	+49:09:22	300	90	3.0	#68 2MASS Reds	2	
0172.2MJ0856345p662032	300	0:45	08:56:34.5	+66:20:32	300	90	3.0	#68 2MASS Reds	2	
0173.COMP	12	0:45	08:56:34.5	+66:20:32	300	90	3.0	#68 2MASS Reds	2	
0174.2MJ0830139p395319	360	0:45	08:30:13.9	+39:53:19	300	90	3.0	#68 2MASS Reds	2	
0175.COMP	12	0:45	08:30:13.9	+39:53:19	300	90	3.0	#68 2MASS Reds	2	
0176.sn2001fe	1200	0:45	09:37:57.1	+25:29:41	300	62	3.0	#2 SN Observat	2	
0177.COMP	12	0:45	09:37:57.1	+25:29:41	300	90	3.0	#2 SN Observat	2	
0178.PG0939p262	60	0:45	09:39:58.8	26:14:42	300	67	3.0	#56 Spectropho	2	
0179.COMP	12	0:45	09:39:58.8	26:14:42	300	90	3.0	#56 Spectropho	2	
0180.2MJ1304582p433308	420	0:45	13:04:58.2	+43:33:08	300	90	3.0	#68 2MASS Reds	2	
0181.COMP	12	0:45	13:04:58.2	+43:33:08	300	90	3.0	#68 2MASS Reds	2	
0182.2MJ1314547p344208	360	0:45	13:14:54.7	+34:42:08	300	90	3.0	#68 2MASS Reds	2	
0183.COMP	12	0:45	13:14:54.7	+34:42:08	300	90	3.0	#68 2MASS Reds	2	
0184.2MJ1328040p341957	420	0:45	13:28:04.0	+34:19:57	300	-4	3.0	#68 2MASS Reds	2	two gals in slit
0185.COMP	12	0:45	13:28:04.0	+34:19:57	300	90	3.0	#68 2MASS Reds	2	
0186.Feige34	30	0:45	10:36:41.2	43:21:50	300	90	3.0	#57 Velocity S	2	
0187.Feige34	30	0:45	10:36:41.2	43:21:50	300	90	3.0	#57 Velocity S	2	
0188.COMP	12	0:45	10:36:41.2	43:21:50	300	90	3.0	#57 Velocity S	2	
0189-0198.BIAS	0	13:18	10:36:41.2	43:21:50	300	90	3.0		2	
0199-0208.FLAT	12	13:24	10:36:41.2	43:21:50	300	90	3.0		2	

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<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>
0209-0213.DARK	900	14:26	10:36:41.2	43:21:50	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
0001-0010.BIAS	0	22:48	21:22:25.0	31:29:52	300	90	3.0	none	2	
0011-0017.FLAT	12	22:51	21:25:28.0	31:29:52	300	90	3.0	none	2	
0018-0020.FLAT	12	22:52	21:26:49.0	31:29:51	300	90	3.0	none	2	
0021.DARK	900	22:52	21:44:14.0	31:29:49	300	90	3.0	none	2	
0022.DARK	900	22:52	21:59:30.0	31:29:48	300	90	3.0	none	2	
0023.DARK	900	22:52	22:14:46.0	31:29:47	300	90	3.0	none	2	
0024-0025.DARK	900	23:55	22:45:14.0	31:29:45	300	90	3.0	none	2	
0026.sky	25	23:55	20:22:00	31:29:13	0	25	25.0	#57 Radial Vel	2	
0027.sky	30	23:55	20:22:00	31:29:13	0	30	30.0	#57 Radial Vel	2	
0028-0029.sky	30	0:55	20:22:00	31:29:13	300	90	3.0	#57 Radial Vel	2	
0030.sky	45	0:55	20:22:00	31:29:13	300	90	3.0	#57 Radial Vel	2	
0031.COMP	12	0:55	20:22:00	31:29:13	300	90	3.0	#57 Radial Vel	2	
0032.BDp284211	30	0:55	21:48:57.1	28:37:48	300	90	3.0	#57 Radial Vel	2	
0033.BDp284211	30	0:55	21:48:57.1	28:37:48	300	90	3.0	#57 Radial Vel	2	
0034.COMP	12	0:55	21:48:57.1	28:37:48	300	90	3.0	#57 Radial Vel	2	
0035.2MJ0200172p410739	600	0:55	02:00:17.2	+41:07:39	300	90	3.0	#68 2MASS Reds	2	
0036.COMP	12	0:55	02:00:17.2	+41:07:39	300	90	3.0	#68 2MASS Reds	2	
0037.2MJ0200454p464827	900	0:55	02:00:45.4	+46:48:27	300	90	3.0	#68 2MASS Reds	2	two components
0038.COMP	12	0:55	02:00:45.4	+46:48:27	300	90	3.0	#68 2MASS Reds	2	
0039.2MJ0201573p461502	900	0:55	02:01:57.3	+46:15:02	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0040.COMP	12	0:55	02:01:57.3	+46:15:02	300	90	3.0	#68 2MASS Reds	2	
0041.2MJ0204534p350855	900	0:55	02:04:53.4	+35:08:55	300	90	3.0	#68 2MASS Reds	2	
0042.COMP	12	0:55	02:04:53.4	+35:08:55	300	90	3.0	#68 2MASS Reds	2	
0043.2MJ0213164p440247	900	0:55	02:13:16.4	+44:02:47	300	90	3.0	#68 2MASS Reds	2	
0044.COMP	12	0:55	02:13:16.4	+44:02:47	300	90	3.0	#68 2MASS Reds	2	
0045.2MJ0214005p511356	900	0:55	02:14:00.5	+51:13:56	300	90	3.0	#68 2MASS Reds	2	
0046.COMP	12	0:55	02:14:00.5	+51:13:56	300	90	3.0	#68 2MASS Reds	2	
0047.2MJ0310217p082907	900	0:55	03:10:21.7	+08:29:07	300	90	3.0	#68 2MASS Reds	2	
0048.COMP	12	0:55	03:10:21.7	+08:29:07	300	90	3.0	#68 2MASS Reds	2	
0049.2MJ0323408p152607	900	0:55	03:23:40.8	+15:26:07	300	90	3.0	#68 2MASS Reds	2	
0050.COMP	12	0:55	03:23:40.8	+15:26:07	300	90	3.0	#68 2MASS Reds	2	
0051.2MJ0326353p091104	900	0:55	03:26:35.3	+09:11:04	300	90	3.0	#68 2MASS Reds	2	
0052.COMP	12	0:55	03:26:35.3	+09:11:04	300	90	3.0	#68 2MASS Reds	2	
0053.2MJ0327163p115651	900	0:55	03:27:16.3	+11:56:51	300	90	3.0	#68 2MASS Reds	2	
0054.COMP	12	0:55	03:27:16.3	+11:56:51	300	90	3.0	#68 2MASS Reds	2	
0055.2MJ0419458p353034	900	0:55	04:19:45.8	+35:30:34	300	90	3.0	#68 2MASS Reds	2	
0056.COMP	12	0:55	04:19:45.8	+35:30:34	300	90	3.0	#68 2MASS Reds	2	
0057.17tau	0	0:55	03:41:54.5	23:57:12	0	0	0.2	none	2	
0058.17tauneb	60	0:55	3:41:54.0	23:57:28	0	60	60.0	none	2	
0059.17tau	0	0:55	3:41:54.5	23:57:12	0	0	0.2	none	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0060.COMP	12	0:55	3:41:54.5	23:57:12	300	90	3.0	#68 2MASS Reds	2	
0061.2MJ0421294p365655	600	0:55	04:21:29.4	+36:56:55	300	90	3.0	#68 2MASS Reds	2	
0062.COMP	12	0:55	04:21:29.4	+36:56:55	300	90	3.0	#68 2MASS Reds	2	
0063.2MJ0421142p355519	600	0:55	04:21:14.2	+35:55:19	300	90	3.0	#68 2MASS Reds	2	
0064.COMP	12	0:55	04:21:14.2	+35:55:19	300	90	3.0	#68 2MASS Reds	2	
0065.2MJ0421204p354415	900	0:55	04:21:20.4	+35:44:15	300	90	3.0	#68 2MASS Reds	2	
0066.COMP	12	0:55	04:21:20.4	+35:44:15	300	90	3.0	#68 2MASS Reds	2	
0067.2MJ0421393p361726	900	0:55	04:21:39.3	+36:17:26	300	90	3.0	#68 2MASS Reds	2	
0068.COMP	12	0:55	04:21:39.3	+36:17:26	300	90	3.0	#68 2MASS Reds	2	
0069.2MJ0421492p365201	600	0:55	04:21:49.2	+36:52:01	300	90	3.0	#68 2MASS Reds	2	
0070.COMP	12	0:55	04:21:49.2	+36:52:01	300	90	3.0	#68 2MASS Reds	2	
0071.2MJ0422562p362431	900	0:55	04:22:56.2	+36:24:31	300	90	3.0	#68 2MASS Reds	2	
0072.COMP	12	0:55	04:22:56.2	+36:24:31	300	90	3.0	#68 2MASS Reds	2	
0073.2MJ0423122p362337	900	0:55	04:23:12.2	+36:23:37	300	90	3.0	#68 2MASS Reds	2	
0074.COMP	12	0:55	04:23:12.2	+36:23:37	300	90	3.0	#68 2MASS Reds	2	
0075.2MJ0423263p290957	600	0:55	04:23:26.3	+29:09:57	300	90	3.0	#68 2MASS Reds	2	
0076.COMP	12	0:55	04:23:26.3	+29:09:57	300	90	3.0	#68 2MASS Reds	2	
0077.2MJ0423499p413411	900	0:55	04:23:49.9	+41:34:11	300	90	3.0	#68 2MASS Reds	2	
0078.COMP	12	0:55	04:23:49.9	+41:34:11	300	90	3.0	#68 2MASS Reds	2	
0079.2MJ0424029p363835	600	0:55	04:24:02.9	+36:38:35	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0080.COMP	12	0:55	04:24:02.9	+36:38:35	300	90	3.0	#68 2MASS Reds	2	
0081.2MJ0424441p292515	600	0:55	04:24:44.1	+29:25:15	300	90	3.0	#68 2MASS Reds	2	
0082.COMP	12	0:55	04:24:44.1	+29:25:15	300	90	3.0	#68 2MASS Reds	2	
0083.2MJ0720534p011415	480	0:55	07:20:53.4	+01:14:15	300	90	3.0	#68 2MASS Reds	2	
0084.COMP	12	0:55	07:20:53.4	+01:14:15	300	90	3.0	#68 2MASS Reds	2	
0085.2MJ0721201m014755	600	0:55	07:21:20.1	-01:47:55	300	109	3.0	#68 2MASS Reds	2	
0086.COMP	12	0:55	07:21:20.1	-01:47:55	300	90	3.0	#68 2MASS Reds	2	
0087.2MJ0723126p024513	480	0:55	07:23:12.6	+02:45:13	300	90	3.0	#68 2MASS Reds	2	
0088.COMP	12	0:55	07:23:12.6	+02:45:13	300	90	3.0	#68 2MASS Reds	2	
0089.2MJ0723459p043109	360	0:55	07:23:45.9	+04:31:09	300	90	3.0	#68 2MASS Reds	2	
0090.COMP	12	0:55	07:23:45.9	+04:31:09	300	90	3.0	#68 2MASS Reds	2	
0091.2MJ0726506p013849	300	0:55	07:26:50.6	+01:38:49	300	90	3.0	#68 2MASS Reds	2	
0092.COMP	12	0:55	07:26:50.6	+01:38:49	300	90	3.0	#68 2MASS Reds	2	
0093.2MJ0746530m010900	360	0:55	07:46:53.0	-01:09:00	300	90	3.0	#68 2MASS Reds	2	
0094.COMP	12	0:55	07:46:53.0	-01:09:00	300	90	3.0	#68 2MASS Reds	2	
0095.2MJ0734236m061744	420	0:55	07:34:23.6	-06:17:44	300	90	3.0	#68 2MASS Reds	2	
0096.COMP	12	0:55	07:34:23.6	-06:17:44	300	90	3.0	#68 2MASS Reds	2	
0097.2MJ0807485m131925	420	0:55	08:07:48.5	-13:19:25	300	90	3.0	#68 2MASS Reds	2	
0098.COMP	12	0:55	08:07:48.5	-13:19:25	300	90	3.0	#68 2MASS Reds	2	
0099.2MJ0808045m145239	360	0:55	08:08:04.5	-14:52:39	300	90	3.0	#68 2MASS Reds	2	row=83

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0100.COMP	12	0:55	08:08:04.5	-14:52:39	300	90	3.0	#68 2MASS Reds	2	
0101.2MJ0808468m090055	360	0:55	08:08:46.8	-09:00:55	300	90	3.0	#68 2MASS Reds	2	
0102.COMP	12	0:55	08:08:46.8	-09:00:55	300	90	3.0	#68 2MASS Reds	2	
0103.2MJ0815246m065736	360	0:55	08:15:24.6	-06:57:36	300	90	3.0	#68 2MASS Reds	2	
0104.COMP	12	0:55	08:15:24.6	-06:57:36	300	90	3.0	#68 2MASS Reds	2	
0105.2MJ0816582m094917	360	0:55	08:16:58.2	-09:49:17	300	90	3.0	#68 2MASS Reds	2	
0106.COMP	12	0:55	08:16:58.2	-09:49:17	300	90	3.0	#68 2MASS Reds	2	
0107.2MJ0714024p235930	420	0:55	07:14:02.4	+23:59:30	300	90	3.0	#68 2MASS Reds	2	
0108.COMP	12	0:55	07:14:02.4	+23:59:30	300	90	3.0	#68 2MASS Reds	2	
0109.2MJ0658219p430308	480	0:55	06:58:21.9	+43:03:08	300	90	3.0	#68 2MASS Reds	2	
0110.COMP	12	0:55	06:58:21.9	+43:03:08	300	90	3.0	#68 2MASS Reds	2	
0111.2MJ0644559p464933	360	0:55	06:44:55.9	+46:49:33	300	90	3.0	#68 2MASS Reds	2	
0112.COMP	12	0:55	06:44:55.9	+46:49:33	300	90	3.0	#68 2MASS Reds	2	
0113.2MJ0640153p364141	480	0:55	06:40:15.3	+36:41:41	300	90	3.0	#68 2MASS Reds	2	
0114.COMP	12	0:55	06:40:15.3	+36:41:41	300	90	3.0	#68 2MASS Reds	2	
0115.2MJ0640087p301306	480	0:55	06:40:08.7	+30:13:06	300	90	3.0	#68 2MASS Reds	2	
0116.COMP	12	0:55	06:40:08.7	+30:13:06	300	90	3.0	#68 2MASS Reds	2	
0117.sn2001ie	1200	0:55	10:16:50.7	+60:16:44	300	-3	3.0	#2 SN Observat	2	
0118.COMP	12	0:55	10:16:50.7	+60:16:44	300	90	3.0	#2 SN Observat	2	
0119.Feige34	45	0:55	10:36:41.2	43:21:50	300	-3	3.0	#2 Kirshner et	2	

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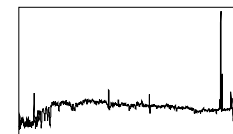
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0120.COMP	12	0:55	10:36:41.2	43:21:50	300	90	3.0	#2 Kirshner et	2	
0121.2MJ0941000m110522	480	0:55	09:41:00.0	-11:05:22	300	90	3.0	#68 2MASS Reds	2	
0122.COMP	12	0:55	09:41:00.0	-11:05:22	300	90	3.0	#68 2MASS Reds	2	
0123.2MJ0946247m125604	480	0:55	09:46:24.7	-12:56:04	300	90	3.0	#68 2MASS Reds	2	
0124.COMP	12	0:55	09:46:24.7	-12:56:04	300	90	3.0	#68 2MASS Reds	2	
0125.2MJ0947584m141511	480	0:55	09:47:58.4	-14:15:11	300	90	3.0	#68 2MASS Reds	2	
0126.COMP	12	0:55	09:47:58.4	-14:15:11	300	90	3.0	#68 2MASS Reds	2	
0127.2MJ0949324m140647	480	0:55	09:49:32.4	-14:06:47	300	90	3.0	#68 2MASS Reds	2	
0128.COMP	12	0:55	09:49:32.4	-14:06:47	300	90	3.0	#68 2MASS Reds	2	
0129.2MJ1118271m143110	420	0:55	11:18:27.1	-14:31:10	300	90	3.0	#68 2MASS Reds	2	
0130.COMP	12	0:55	11:18:27.1	-14:31:10	300	90	3.0	#68 2MASS Reds	2	
0131.2MJ1106083m145923	420	0:55	11:06:08.3	-14:59:23	300	90	3.0	#68 2MASS Reds	2	
0132.COMP	12	0:55	11:06:08.3	-14:59:23	300	90	3.0	#68 2MASS Reds	2	
0133.2MJ1122183m030451	360	0:55	11:22:18.3	-03:04:51	300	90	3.0	#68 2MASS Reds	2	
0134.COMP	12	0:55	11:22:18.3	-03:04:51	300	90	3.0	#68 2MASS Reds	2	
0135-0144.BIAS	0	13:26	11:22:18.3	-03:04:51	300	90	3.0	#57 Radial Vel	2	
0145-0154.FLAT	12	13:32	11:22:18.3	-03:04:51	300	90	3.0	#57 Radial Vel	2	
0155-0159.DARK	900	14:36	11:22:18.3	-03:04:51	300	90	3.0	#57 Radial Vel	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	21:46	11:22:18.3	-03:04:51	300	90	3.0	#57 Radial Vel	2	
0011-0020.FLAT	12	21:51	11:22:18.3	-03:04:51	300	90	3.0	#57 Radial Vel	2	
0021-0030.DARK	900	0:12	11:22:18.3	-03:04:51	300	90	3.0	#57 Radial Vel	2	
0031-0040.sky	7	0:47	20:22:00	31:29:13	300	90	3.0	#57 Radial Vel	2	
0041.COMP	12	0:47	20:22:00	31:29:13	300	90	3.0	#57 Radial Vel	2	
0042.BDp284211	30	0:47	21:48:57.1	28:37:48	300	90	3.0	#57 Radial Vel	2	
0043.BDp284211	30	0:47	21:48:57.1	28:37:48	300	90	3.0	#57 Radial Vel	2	
0044.COMP	12	0:47	21:48:57.1	28:37:48	300	90	3.0	#57 Radial Vel	2	
0045.2MJ2320067p430229	360	0:47	23:20:06.7	+43:02:29	300	90	3.0	#68 2MASS Reds	2	
0046.COMP	12	0:47	23:20:06.7	+43:02:29	300	90	3.0	#68 2MASS Reds	2	
0047.2MJ2329031p463103	360	0:47	23:29:03.1	+46:31:03	300	90	3.0	#68 2MASS Reds	2	
0048.COMP	12	0:47	23:29:03.1	+46:31:03	300	90	3.0	#68 2MASS Reds	2	
0049.2MJ2336270p524241	360	0:47	23:36:27.0	+52:42:41	300	90	3.0	#68 2MASS Reds	2	
0050.COMP	12	0:47	23:36:27.0	+52:42:41	300	90	3.0	#68 2MASS Reds	2	
0051.2MJ2340442p503031	360	0:47	23:40:44.2	+50:30:31	300	90	3.0	#68 2MASS Reds	2	
0052.COMP	12	0:47	23:40:44.2	+50:30:31	300	90	3.0	#68 2MASS Reds	2	
0053.2MJ2347291p550247	300	0:47	23:47:29.1	+55:02:47	300	90	3.0	#68 2MASS Reds	2	
0054.COMP	12	0:47	23:47:29.1	+55:02:47	300	90	3.0	#68 2MASS Reds	2	
0055.2MJ0036091p552241	360	0:47	00:36:09.1	+55:22:41	300	90	3.0	#68 2MASS Reds	2	no good
0056.COMP	12	0:47	00:36:09.1	+55:22:41	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0057.2MJ0036091p552241	900	0:47	00:36:09.1	+55:22:41	300	90	3.0	#68 2MASS Reds	2	row=81
0058.COMP	12	0:47	00:36:09.1	+55:22:41	300	90	3.0	#68 2MASS Reds	2	
0059.2MJ0037046p793014	480	0:47	00:37:04.6	+79:30:14	300	90	3.0	#68 2MASS Reds	2	
0060.COMP	12	0:47	00:37:04.6	+79:30:14	300	90	3.0	#68 2MASS Reds	2	
0061.2MJ0143557p804912	600	0:47	01:43:55.7	+80:49:12	300	90	3.0	#68 2MASS Reds	2	
0062.COMP	12	0:47	01:43:55.7	+80:49:12	300	90	3.0	#68 2MASS Reds	2	
0063.2MJ0209559p752014	600	0:47	02:09:55.9	+75:20:14	300	90	3.0	#68 2MASS Reds	2	
0064.COMP	12	0:47	02:09:55.9	+75:20:14	300	90	3.0	#68 2MASS Reds	2	
0065.2MJ0215261p515037	600	0:47	02:15:26.1	+51:50:37	300	90	3.0	#68 2MASS Reds	2	
0066.COMP	12	0:47	02:15:26.1	+51:50:37	300	90	3.0	#68 2MASS Reds	2	
0067.2MJ0216204p472214	600	0:47	02:16:20.4	+47:22:14	300	90	3.0	#68 2MASS Reds	2	
0068.COMP	12	0:47	02:16:20.4	+47:22:14	300	90	3.0	#68 2MASS Reds	2	
0069.2MJ0218531p520002	480	0:47	02:18:53.1	+52:00:02	300	90	3.0	#68 2MASS Reds	2	
0070.COMP	12	0:47	02:18:53.1	+52:00:02	300	90	3.0	#68 2MASS Reds	2	
0071.2MJ0220446p534938	480	0:47	02:20:44.6	+53:49:38	300	90	3.0	#68 2MASS Reds	2	
0072.COMP	12	0:47	02:20:44.6	+53:49:38	300	90	3.0	#68 2MASS Reds	2	
0073.2MJ0224587p520147	480	0:47	02:24:58.7	+52:01:47	300	90	3.0	#68 2MASS Reds	2	
0074.COMP	12	0:47	02:24:58.7	+52:01:47	300	90	3.0	#68 2MASS Reds	2	
0075.2MJ0229066p342654	480	0:47	02:29:06.6	+34:26:54	300	90	3.0	#68 2MASS Reds	2	
0076.COMP	12	0:47	02:29:06.6	+34:26:54	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0077.2MJ0230571p310704	480	0:47	02:30:57.1	+31:07:04	300	90	3.0	#68 2MASS Reds	2	
0078.COMP	12	0:47	02:30:57.1	+31:07:04	300	90	3.0	#68 2MASS Reds	2	
0079.2MJ0231201p203453	480	0:47	02:31:20.1	+20:34:53	300	90	3.0	#68 2MASS Reds	2	
0080.COMP	12	0:47	02:31:20.1	+20:34:53	300	90	3.0	#68 2MASS Reds	2	
0081.2MJ0232543p304441	480	0:47	02:32:54.3	+30:44:41	300	90	3.0	#68 2MASS Reds	2	row=79
0082.COMP	12	0:47	02:32:54.3	+30:44:41	300	90	3.0	#68 2MASS Reds	2	
0083.2MJ0232550p345139	480	0:47	02:32:55.0	+34:51:39	300	90	3.0	#68 2MASS Reds	2	
0084.COMP	12	0:47	02:32:55.0	+34:51:39	300	90	3.0	#68 2MASS Reds	2	
0085.2MJ0403419p320741	480	0:47	04:03:41.9	+32:07:41	300	90	3.0	#68 2MASS Reds	2	
0086.COMP	12	0:47	04:03:41.9	+32:07:41	300	90	3.0	#68 2MASS Reds	2	
0087.2MJ0404185p294122	480	0:47	04:04:18.5	+29:41:22	300	90	3.0	#68 2MASS Reds	2	
0088.COMP	12	0:47	04:04:18.5	+29:41:22	300	90	3.0	#68 2MASS Reds	2	
0089.2MJ0405171p300701	480	0:47	04:05:17.1	+30:07:01	300	90	3.0	#68 2MASS Reds	2	
0090.COMP	12	0:47	04:05:17.1	+30:07:01	300	90	3.0	#68 2MASS Reds	2	
0091.2MJ0406045p300926	480	0:47	04:06:04.5	+30:09:26	300	90	3.0	#68 2MASS Reds	2	
0092.COMP	12	0:47	04:06:04.5	+30:09:26	300	90	3.0	#68 2MASS Reds	2	
0093.2MJ0405351p414935	480	0:47	04:05:35.1	+41:49:35	300	90	3.0	#68 2MASS Reds	2	
0094.COMP	12	0:47	04:05:35.1	+41:49:35	300	90	3.0	#68 2MASS Reds	2	
0095.2MJ0407250p421327	480	0:47	04:07:25.0	+42:13:27	300	90	3.0	#68 2MASS Reds	2	
0096.COMP	12	0:47	04:07:25.0	+42:13:27	300	90	3.0	#68 2MASS Reds	2	

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0097.2MJ0408392p211315	480	0:47	04:08:39.2	+21:13:15	300	90	3.0	#68 2MASS Reds	2	
0098.COMP	12	0:47	04:08:39.2	+21:13:15	300	90	3.0	#68 2MASS Reds	2	
0099.2MJ0409366p292231	480	0:47	04:09:36.6	+29:22:31	300	90	3.0	#68 2MASS Reds	2	
0100.COMP	12	0:47	04:09:36.6	+29:22:31	300	90	3.0	#68 2MASS Reds	2	
0101.2MJ0409578p365952	480	0:47	04:09:57.8	+36:59:52	300	90	3.0	#68 2MASS Reds	2	
0102.COMP	12	0:47	04:09:57.8	+36:59:52	300	90	3.0	#68 2MASS Reds	2	
0103.2MJ0410125p263957	480	0:47	04:10:12.5	+26:39:57	300	90	3.0	#68 2MASS Reds	2	
0104.COMP	12	0:47	04:10:12.5	+26:39:57	300	90	3.0	#68 2MASS Reds	2	
0105.2MJ0410554p232520	480	0:47	04:10:55.4	+23:25:20	300	90	3.0	#68 2MASS Reds	2	
0106.COMP	12	0:47	04:10:55.4	+23:25:20	300	90	3.0	#68 2MASS Reds	2	
0107.2MJ0413245p251212	420	0:47	04:13:24.5	+25:12:12	300	90	3.0	#68 2MASS Reds	2	
0108.COMP	12	0:47	04:13:24.5	+25:12:12	300	90	3.0	#68 2MASS Reds	2	
0109.2MJ0413514p291116	420	0:47	04:13:51.4	+29:11:16	300	90	3.0	#68 2MASS Reds	2	
0110.COMP	12	0:47	04:13:51.4	+29:11:16	300	90	3.0	#68 2MASS Reds	2	
0111.2MJ0425036p030146	360	0:47	04:25:03.6	+03:01:46	300	90	3.0	#68 2MASS Reds	2	
0112.COMP	12	0:47	04:25:03.6	+03:01:46	300	90	3.0	#68 2MASS Reds	2	
0113.2MJ0426513m101151	360	0:47	04:26:51.3	-10:11:51	300	90	3.0	#68 2MASS Reds	2	
0114.COMP	12	0:47	04:26:51.3	-10:11:51	300	90	3.0	#68 2MASS Reds	2	
0115.2MJ0426522m131424	420	0:47	04:26:52.2	-13:14:24	300	90	3.0	#68 2MASS Reds	2	
0116.COMP	12	0:47	04:26:52.2	-13:14:24	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0117.2MJ0427049m060953	360	0:47	04:27:04.9	-06:09:53	300	90	3.0	#68 2MASS Reds	2	
0118.COMP	12	0:47	04:27:04.9	-06:09:53	300	90	3.0	#68 2MASS Reds	2	
0119.2MJ0515198p185450	420	0:47	05:15:19.8	+18:54:50	300	90	3.0	#68 2MASS Reds	2	
0120.COMP	12	0:47	05:15:19.8	+18:54:50	300	90	3.0	#68 2MASS Reds	2	
0121.2MJ0515459p191804	360	0:47	05:15:45.9	+19:18:04	300	90	3.0	#68 2MASS Reds	2	
0122.COMP	12	0:47	05:15:45.9	+19:18:04	300	90	3.0	#68 2MASS Reds	2	
0123.HD44179	15	0:47	6:19:58.2	-10:38:13	300	90	3.0	#68 2MASS Reds	2	
0124.HD44179neb1	60	0:47	6:19:58.5	-10:38:09	300	90	3.0	#68 2MASS Reds	2	
0125.HD44179neb2	120	0:47	6:19:58.8	-10:38:04	300	90	3.0	#68 2MASS Reds	2	
0126.HD44179neb3	240	0:47	6:19:59.1	-10:38:00	300	90	3.0	#68 2MASS Reds	2	
0127.HD44179neb4	120	0:47	6:19:58.4	-10:38:03	300	90	3.0	#68 2MASS Reds	2	
0128.HD44179neb5	120	0:47	6:19:58.1	-10:38:07	300	90	3.0	#68 2MASS Reds	2	
0129.HD44179	15	0:47	6:19:58.2	-10:38:13	300	90	3.0	#68 2MASS Reds	2	
0130.COMP	12	0:47	6:19:58.2	-10:38:13	300	90	3.0	#68 2MASS Reds	2	
0131.2MJ0616504p335801	420	0:47	06:16:50.4	+33:58:01	300	90	3.0	#68 2MASS Reds	2	
0132.COMP	12	0:47	06:16:50.4	+33:58:01	300	90	3.0	#68 2MASS Reds	2	
0133.2MJ0630157p211336	420	0:47	06:30:15.7	+21:13:36	300	90	3.0	#68 2MASS Reds	2	
0134.COMP	12	0:47	06:30:15.7	+21:13:36	300	90	3.0	#68 2MASS Reds	2	
0135.2MJ0635034p223115	420	0:47	06:35:03.4	+22:31:15	300	90	3.0	#68 2MASS Reds	2	
0136.COMP	12	0:47	06:35:03.4	+22:31:15	300	90	3.0	#68 2MASS Reds	2	

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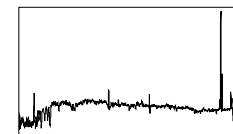
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0137.2MJ0633260p191707	480	0:47	06:33:26.0	+19:17:07	300	90	3.0	#68 2MASS Reds	2	
0138.COMP	12	0:47	06:33:26.0	+19:17:07	300	90	3.0	#68 2MASS Reds	2	
0139.2MJ0635072p184244	480	0:47	06:35:07.2	+18:42:44	300	90	3.0	#68 2MASS Reds	2	
0140.COMP	12	0:47	06:35:07.2	+18:42:44	300	90	3.0	#68 2MASS Reds	2	
0141.2MJ0636025p360636	480	0:47	06:36:02.5	+36:06:36	300	90	3.0	#68 2MASS Reds	2	
0142.COMP	12	0:47	06:36:02.5	+36:06:36	300	90	3.0	#68 2MASS Reds	2	
0143.2MJ0817549m053651	480	0:47	08:17:54.9	-05:36:51	300	90	3.0	#68 2MASS Reds	2	
0144.COMP	12	0:47	08:17:54.9	-05:36:51	300	90	3.0	#68 2MASS Reds	2	
0145.2MJ0821335m132103	360	0:47	08:21:33.5	-13:21:03	300	45	3.0	#68 2MASS Reds	2	to avoid star
0146.COMP	12	0:47	08:21:33.5	-13:21:03	300	45	3.0	#68 2MASS Reds	2	
0147.2MJ0822105m133718	300	0:47	08:22:10.5	-13:37:18	300	45	3.0	#68 2MASS Reds	2	to avoid star
0148.COMP	12	0:47	08:22:10.5	-13:37:18	300	45	3.0	#68 2MASS Reds	2	
0149.2MJ0822069m145648	360	0:47	08:22:06.9	-14:56:48	300	45	3.0	#68 2MASS Reds	2	galaxy along slit, nice H alpha
0150.COMP	12	0:47	08:22:06.9	-14:56:48	300	45	3.0	#68 2MASS Reds	2	
0151.2MJ0822390m081422	360	0:47	08:22:39.0	-08:14:22	300	90	3.0	#68 2MASS Reds	2	
0152.COMP	12	0:47	08:22:39.0	-08:14:22	300	90	3.0	#68 2MASS Reds	2	
0153.2MJ0823461m051030	360	0:47	08:23:46.1	-05:10:30	300	90	3.0	#68 2MASS Reds	2	
0154.COMP	12	0:47	08:23:46.1	-05:10:30	300	90	3.0	#68 2MASS Reds	2	
0155.2MJ0830353m085234	360	0:47	08:30:35.3	-08:52:34	300	90	3.0	#68 2MASS Reds	2	
0156.COMP	12	0:47	08:30:35.3	-08:52:34	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0157.2MJ0835110m082313	360	0:47	08:35:11.0	-08:23:13	300	90	3.0	#68 2MASS Reds	2	
0158.COMP	12	0:47	08:35:11.0	-08:23:13	300	90	3.0	#68 2MASS Reds	2	
0159.2MJ0839078m085143	360	0:47	08:39:07.8	-08:51:43	300	90	3.0	#68 2MASS Reds	2	
0160.COMP	12	0:47	08:39:07.8	-08:51:43	300	90	3.0	#68 2MASS Reds	2	
0161.2MJ0836489m071015	360	0:47	08:36:48.9	-07:10:15	300	90	3.0	#68 2MASS Reds	2	
0162.COMP	12	0:47	08:36:48.9	-07:10:15	300	90	3.0	#68 2MASS Reds	2	
0163.2MJ0835436m121210	360	0:47	08:35:43.6	-12:12:10	300	90	3.0	#68 2MASS Reds	2	
0164.COMP	12	0:47	08:35:43.6	-12:12:10	300	90	3.0	#68 2MASS Reds	2	
0165.2MJ0836557m060103	360	0:47	08:36:55.7	-06:01:03	300	90	3.0	#68 2MASS Reds	2	
0166.COMP	12	0:47	08:36:55.7	-06:01:03	300	90	3.0	#68 2MASS Reds	2	
0167.2MJ0835181m021436	360	0:47	08:35:18.1	-02:14:36	300	90	3.0	#68 2MASS Reds	2	
0168.COMP	12	0:47	08:35:18.1	-02:14:36	300	90	3.0	#68 2MASS Reds	2	
0169.sn2001gb	1200	0:47	09:59:00.9	+17:49:12	300	34	3.0	#2 SN Observat	2	row=82
0170.COMP	12	0:47	09:59:00.9	+17:49:12	300	34	3.0	#2 SN Observat	2	
0171.Feige34	30	0:47	10:36:41.2	43:21:50	300	-33	3.0	#56 Spectropho	2	
0172.COMP	12	0:47	10:36:41.2	43:21:50	300	-33	3.0	#56 Spectropho	2	
0173-0182.BIAS	0	12:41	10:36:41.2	43:21:50	300	90	3.0	#57 Radial Vel	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	23:38	22:36:16.0	31:29:45	300	90	3.0	none	4	
0002-0003.DARK	900	0:09	23:06:32.0	31:29:44	300	90	3.0	none	4	
0004-0005.DARK	900	0:39	23:36:53.0	31:29:43	300	90	3.0	none	4	
0006-0015.BIAS	0	0:59	23:42:00.0	31:29:43	300	90	3.0	none	4	
0016-0025.FLAT	6	1:02	23:44:37.0	31:29:43	300	90	3.0	none	4	
0026-0035.BIAS	0	1:10	23:53:16.0	31:29:42	300	90	3.0	none	2	
0036-0045.FLAT	12	1:14	23:57:39.0	31:29:42	300	90	3.0	none	2	
0046.BDp284211	40	1:14	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	poor seeing
0047.BDp284211	40	1:14	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0048.COMP	5	1:14	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0049.BDp284211	40	1:14	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0050.BDp284211	40	1:14	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0051.COMP	12	1:14	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0052.BDp284211	40	1:14	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0053.BDp284211	40	1:14	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0054.COMP	12	1:14	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0055.M31	60	1:14	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0056.COMP	12	1:14	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0057.sn2001iq	1200	1:14	22:25:10.4	+42:43:04	300	90	3.0	#2 SN Observat	2	
0058.COMP	12	1:14	22:25:10.4	+42:43:04	300	90	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0059.MRK335	120	1:14	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0060.MRK335	120	1:14	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0061.COMP	12	1:14	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0062.Akn564	180	1:14	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0063.Akn564	180	1:14	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0064.COMP	12	1:14	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	2	
0065.N7469	120	1:14	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0066.N7469	120	1:14	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0067.COMP	12	1:14	23:03:15.7	+08:52:27	300	90	3.0	#6 AGN Monitor	2	
0068.2MJ0249454p531508	300	1:14	02:49:45.4	+53:15:08	300	90	3.0	#68 2MASS Reds	2	row=80
0069.COMP	12	1:14	02:49:45.4	+53:15:08	300	90	3.0	#68 2MASS Reds	2	
0070.2MJ0011288p794336	360	1:14	00:11:28.8	+79:43:36	300	90	3.0	#68 2MASS Reds	2	
0071.COMP	12	1:14	00:11:28.8	+79:43:36	300	90	3.0	#68 2MASS Reds	2	
0072.2MJ0014125p703643	1200	1:14	00:14:12.5	+70:36:43	300	90	3.0	#68 2MASS Reds	2	
0073.COMP	12	1:14	00:14:12.5	+70:36:43	300	90	3.0	#68 2MASS Reds	2	
0074.2MJ0031468p681731	1200	1:14	00:31:46.8	+68:17:31	300	90	3.0	#68 2MASS Reds	2	
0075.COMP	12	1:14	00:31:46.8	+68:17:31	300	90	3.0	#68 2MASS Reds	2	
0076.2MJ0045335p551329	720	1:14	00:45:33.5	+55:13:29	300	90	3.0	#68 2MASS Reds	2	
0077.COMP	12	1:14	00:45:33.5	+55:13:29	300	90	3.0	#68 2MASS Reds	2	
0078.2MJ0156227p711322	660	1:14	01:56:22.7	+71:13:22	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0079.COMP	12	1:14	01:56:22.7	+71:13:22	300	90	3.0	#68 2MASS Reds	2	
0080.2MJ0203476p684353	1200	1:14	02:03:47.6	+68:43:53	300	90	3.0	#68 2MASS Reds	2	
0081.COMP	12	1:14	02:03:47.6	+68:43:53	300	90	3.0	#68 2MASS Reds	2	
0082.2MJ0203589p673717	1200	1:14	02:03:58.9	+67:37:17	300	90	3.0	#68 2MASS Reds	2	row=78
0083.COMP	12	1:14	02:03:58.9	+67:37:17	300	90	3.0	#68 2MASS Reds	2	
0084.2MJ0209215p753135	1200	1:14	02:09:21.5	+75:31:35	300	90	3.0	#68 2MASS Reds	2	
0085.COMP	12	1:14	02:09:21.5	+75:31:35	300	90	3.0	#68 2MASS Reds	2	
0086.2MJ0212218p544108	420	1:14	02:12:21.8	+54:41:08	300	90	3.0	#68 2MASS Reds	2	
0087.COMP	12	1:14	02:12:21.8	+54:41:08	300	90	3.0	#68 2MASS Reds	2	
0088.2MJ0214040p514444	240	1:14	02:14:04.0	+51:44:44	300	90	3.0	#68 2MASS Reds	2	
0089.COMP	12	1:14	02:14:04.0	+51:44:44	300	90	3.0	#68 2MASS Reds	2	
0090.2MJ0214418p511408	600	1:14	02:14:41.8	+51:14:08	300	90	3.0	#68 2MASS Reds	2	
0091.COMP	12	1:14	02:14:41.8	+51:14:08	300	90	3.0	#68 2MASS Reds	2	
0092.2MJ0215081p753344	720	1:14	02:15:08.1	+75:33:44	300	90	3.0	#68 2MASS Reds	2	
0093.COMP	12	1:14	02:15:08.1	+75:33:44	300	90	3.0	#68 2MASS Reds	2	
0094.2MJ0217400p670144	1200	1:14	02:17:40.0	+67:01:44	300	90	3.0	#68 2MASS Reds	2	clouds passing thru, get again
0095.COMP	12	1:14	02:17:40.0	+67:01:44	300	90	3.0	#68 2MASS Reds	2	
0096.2MJ0217400p670144	1200	1:14	02:17:40.0	+67:01:44	300	90	3.0	#68 2MASS Reds	2	
0097.COMP	12	1:14	02:17:40.0	+67:01:44	300	90	3.0	#68 2MASS Reds	2	
0098.sn2001gc	1200	1:14	05:55:26.1	+51:54:34	300	-4	3.0	#2 SN Observat	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0099.COMP	12	1:14	05:55:26.1	+51:54:34	300	-4	3.0	#2 SN Observat	2	
0100.FLAT	40	1:14	05:55:26.1	+51:54:34	600	90	2.0	#122 Halo Stre	4	600L, 2arsec, tilt=430
0101-0109.FLAT	40	8:01	05:55:26.1	+51:54:34	600	90	2.0	#122 Halo Stre	4	
0110.Hiltner600	120	8:01	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0111.COMP	10	8:01	06:42:37.2	02:11:25	600	90	2.0	#56 Spectropho	4	
0112.hs568	1200	8:01	9:03:00.4	28:50:10	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	8:01	9:03:00.4	28:50:10	600	90	2.0	#122 Halo Star	4	
0114.hs569	420	8:01	9:03:13.9	29:28:49	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	8:01	9:03:13.9	29:28:49	600	90	2.0	#122 Halo Star	4	
0116.hs573	1200	8:01	9:04:57.4	29:20:21	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	8:01	9:04:57.4	29:20:21	600	90	2.0	#122 Halo Star	4	
0118.hs574	660	8:01	9:05:19.8	27:57:03	600	90	2.0	#122 Halo Star	4	
0119.COMP	10	8:01	9:05:19.8	27:57:03	600	90	2.0	#122 Halo Star	4	
0120.hs575	540	8:01	9:05:51.9	28:19:41	600	90	2.0	#122 Halo Star	4	
0121.COMP	10	8:01	9:05:51.9	28:19:41	600	90	2.0	#122 Halo Star	4	
0122.hs576	1200	8:01	9:06:23.8	28:53:47	600	90	2.0	#122 Halo Star	4	
0123.COMP	10	8:01	9:06:23.8	28:53:47	600	90	2.0	#122 Halo Star	4	
0124.hs577	780	8:01	9:06:38.5	29:24:08	600	90	2.0	#122 Halo Star	4	
0125.COMP	10	8:01	9:06:38.5	29:24:08	600	90	2.0	#122 Halo Star	4	
0126.hs578	1200	8:01	9:07:32.6	29:38:38	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0127.COMP	10	8:01	9:07:32.6	29:38:38	600	90	2.0	#122 Halo Star	4	
0128.hs579	1200	8:01	9:07:53.1	29:28:36	600	90	2.0	#122 Halo Star	4	
0129.COMP	10	8:01	9:07:53.1	29:28:36	600	90	2.0	#122 Halo Star	4	
0130.hs580	900	8:01	9:08:23.1	29:02:57	600	90	2.0	#122 Halo Star	4	
0131.COMP	10	8:01	9:08:23.1	29:02:57	600	90	2.0	#122 Halo Star	4	
0132.hs581	540	8:01	9:08:43.2	29:00:12	600	90	2.0	#122 Halo Star	4	
0133.COMP	10	8:01	9:08:43.2	29:00:12	600	90	2.0	#122 Halo Star	4	
0134.hs582	900	8:01	9:08:48.4	28:57:10	600	90	2.0	#122 Halo Star	4	
0135.COMP	10	8:01	9:08:48.4	28:57:10	600	90	2.0	#122 Halo Star	4	
0136.hs583	1200	8:01	9:09:19.0	29:29:29	600	90	2.0	#122 Halo Star	4	
0137.COMP	10	8:01	9:09:19.0	29:29:29	600	90	2.0	#122 Halo Star	4	
0138.hs584	1200	8:01	9:09:44.3	29:27:58	600	90	2.0	#122 Halo Star	4	
0139.COMP	10	8:01	9:09:44.3	29:27:58	600	90	2.0	#122 Halo Star	4	
0140.hs585	720	8:01	9:10:07.5	28:51:03	600	90	2.0	#122 Halo Star	4	
0141.COMP	10	8:01	9:10:07.5	28:51:03	600	90	2.0	#122 Halo Star	4	
0142.hs586	1200	8:01	9:10:11.9	29:10:30	600	90	2.0	#122 Halo Star	4	
0143.COMP	10	8:01	9:10:11.9	29:10:30	600	90	2.0	#122 Halo Star	4	
0144.Feige34	120	8:01	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0145.COMP	10	8:01	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0146.sn2001ie	1200	8:01	10:16:50.7	+60:16:44	300	90	3.0	#2 SN Observat	2	

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<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>
0147.COMP	12	8:01	10:16:50.7	+60:16:44	300	90	3.0	#2 SN Observat	2	
0148.HZ44	120	8:01	13:21:19.0	36:23:39	300	80	3.0	#56 Spectropho	2	
0149.COMP	12	8:01	13:21:19.0	36:23:39	300	80	3.0	#56 Spectropho	2	
0150-0154.sky	2	13:56	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0155.COMP	5	13:56	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0156-0165.BIAS	0	13:58	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0166-0175.FLAT	6	14:01	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0176-0185.BIAS	0	14:04	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	2	
0186-0195.FLAT	12	14:09	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	2	
0196-0205.DARK	900	16:27	13:21:19.0	36:23:39	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
0001-0005.DARK	900	0:31	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0006-0015.BIAS	0	0:48	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0016-0025.FLAT	6	0:58	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	4	
0026-0035.BIAS	0	1:00	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	2	
0036-0045.FLAT	12	1:09	13:21:19.0	36:23:39	300	90	3.0	#57 Velocity S	2	
0046.Feige25	120	1:09	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0047.Feige25	120	1:09	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0048.COMP	5	1:09	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	4	
0049.Feige25	120	1:09	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	2	
0050.Feige25	120	1:09	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	2	
0051.COMP	12	1:09	02:36:00	05:15:16	300	90	3.0	#56 Spectropho	2	
0052.Feige25	120	1:09	02:36:00	05:15:16	300	-44	3.0	#56 Spectropho	2	
0053.Feige25	120	1:09	02:36:00	05:15:16	300	-44	3.0	#56 Spectropho	2	
0054.COMP	12	1:09	02:36:00	05:15:16	300	-44	3.0	#56 Spectropho	2	
0055.2MJ0252501p192502	360	1:09	02:52:50.1	+19:25:02	300	69	3.0	#68 2MASS Reds	4	
0056.COMP	5	1:09	02:52:50.1	+19:25:02	300	69	3.0	#68 2MASS Reds	4	
0057.2MJ0243201p465613	240	1:09	02:43:20.1	+46:56:13	300	90	3.0	#68 2MASS Reds	4	
0058.COMP	5	1:09	02:43:20.1	+46:56:13	300	90	3.0	#68 2MASS Reds	4	
0059.2MJ0244551p484441	300	1:09	02:44:55.1	+48:44:41	300	90	3.0	#68 2MASS Reds	4	
0060.COMP	5	1:09	02:44:55.1	+48:44:41	300	90	3.0	#68 2MASS Reds	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0061.2MJ0245441p471529	300	1:09	02:45:44.1	+47:15:29	300	90	3.0	#68 2MASS Reds	4	
0062.COMP	5	1:09	02:45:44.1	+47:15:29	300	90	3.0	#68 2MASS Reds	4	
0063.2MJ0247380p490119	270	1:09	02:47:38.0	+49:01:19	300	90	3.0	#68 2MASS Reds	4	
0064.COMP	5	1:09	02:47:38.0	+49:01:19	300	90	3.0	#68 2MASS Reds	4	
0065.2MJ0248127p484107	270	1:09	02:48:12.7	+48:41:07	300	90	3.0	#68 2MASS Reds	4	
0066.COMP	5	1:09	02:48:12.7	+48:41:07	300	90	3.0	#68 2MASS Reds	4	
0067.2MJ0249069p470753	390	1:09	02:49:06.9	+47:07:53	300	90	3.0	#68 2MASS Reds	4	
0068.COMP	5	1:09	02:49:06.9	+47:07:53	300	90	3.0	#68 2MASS Reds	4	
0069.2MJ0250400p531609	900	1:09	02:50:40.0	+53:16:09	300	90	3.0	#68 2MASS Reds	4	row=39
0070.COMP	5	1:09	02:50:40.0	+53:16:09	300	90	3.0	#68 2MASS Reds	4	
0071.2MJ0250483p452307	660	1:09	02:50:48.3	+45:23:07	300	90	3.0	#68 2MASS Reds	2	row=78
0072.COMP	12	1:09	02:50:48.3	+45:23:07	300	90	3.0	#68 2MASS Reds	2	
0073.2MJ0251069p463753	480	1:09	02:51:06.9	+46:37:53	300	90	3.0	#68 2MASS Reds	2	
0074.COMP	12	1:09	02:51:06.9	+46:37:53	300	90	3.0	#68 2MASS Reds	2	
0075.2MJ0251493p504924	300	1:09	02:51:49.3	+50:49:24	300	90	3.0	#68 2MASS Reds	2	row=78
0076.COMP	12	1:09	02:51:49.3	+50:49:24	300	90	3.0	#68 2MASS Reds	2	
0077.2MJ0252167p523454	270	1:09	02:52:16.7	+52:34:54	300	90	3.0	#68 2MASS Reds	2	
0078.COMP	12	1:09	02:52:16.7	+52:34:54	300	90	3.0	#68 2MASS Reds	2	
0079.2MJ0252551p520327	480	1:09	02:52:55.1	+52:03:27	300	90	3.0	#68 2MASS Reds	2	
0080.COMP	12	1:09	02:52:55.1	+52:03:27	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0081.2MJ0221309p703810	1200	1:09	02:21:30.9	+70:38:10	300	105	3.0	#68 2MASS Reds	2	
0082.COMP	12	1:09	02:21:30.9	+70:38:10	300	105	3.0	#68 2MASS Reds	2	
0083.2MJ0231202p735700	270	1:09	02:31:20.2	+73:57:00	300	90	3.0	#68 2MASS Reds	2	
0084.COMP	12	1:09	02:31:20.2	+73:57:00	300	90	3.0	#68 2MASS Reds	2	
0085.2MJ0232021p083529	420	1:09	02:32:02.1	+08:35:29	300	100	3.0	#68 2MASS Reds	2	
0086.COMP	12	1:09	02:32:02.1	+08:35:29	300	100	3.0	#68 2MASS Reds	2	
0087.2MJ0234128p680256	540	1:09	02:34:12.8	+68:02:56	300	90	3.0	#68 2MASS Reds	2	
0088.COMP	12	1:09	02:34:12.8	+68:02:56	300	90	3.0	#68 2MASS Reds	2	
0089.2MJ0234318p675526	780	1:09	02:34:31.8	+67:55:26	300	90	3.0	#68 2MASS Reds	2	
0090.COMP	12	1:09	02:34:31.8	+67:55:26	300	90	3.0	#68 2MASS Reds	2	
0091.2MJ0253272p461851	780	1:09	02:53:27.2	+46:18:51	300	90	3.0	#68 2MASS Reds	2	
0092.COMP	12	1:09	02:53:27.2	+46:18:51	300	90	3.0	#68 2MASS Reds	2	
0093.2MJ0254119p515203	300	1:09	02:54:11.9	+51:52:03	300	90	3.0	#68 2MASS Reds	2	
0094.COMP	12	1:09	02:54:11.9	+51:52:03	300	90	3.0	#68 2MASS Reds	2	
0095.2MJ0255168p460229	270	1:09	02:55:16.8	+46:02:29	300	90	3.0	#68 2MASS Reds	2	
0096.COMP	12	1:09	02:55:16.8	+46:02:29	300	90	3.0	#68 2MASS Reds	2	
0097.2MJ0256058p092243	270	1:09	02:56:05.8	+09:22:43	300	90	3.0	#68 2MASS Reds	2	
0098.COMP	12	1:09	02:56:05.8	+09:22:43	300	90	3.0	#68 2MASS Reds	2	
0099.2MJ0258412p142127	240	1:09	02:58:41.2	+14:21:27	300	90	3.0	#68 2MASS Reds	2	
0100.COMP	12	1:09	02:58:41.2	+14:21:27	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0101.2MJ0259465p262630	240	1:09	02:59:46.5	+26:26:30	300	90	3.0	#68 2MASS Reds	2	
0102.COMP	12	1:09	02:59:46.5	+26:26:30	300	90	3.0	#68 2MASS Reds	2	
0103.2MJ0300304p492112	660	1:09	03:00:30.4	+49:21:12	300	90	3.0	#68 2MASS Reds	2	
0104.COMP	12	1:09	03:00:30.4	+49:21:12	300	90	3.0	#68 2MASS Reds	2	
0105.2MJ0302216p685506	1200	1:09	03:02:21.6	+68:55:06	300	90	3.0	#68 2MASS Reds	2	AGN?
0106.COMP	12	1:09	03:02:21.6	+68:55:06	300	90	3.0	#68 2MASS Reds	2	
0107.2MJ0302398p434457	360	1:09	03:02:39.8	+43:44:57	300	90	3.0	#68 2MASS Reds	2	
0108.COMP	12	1:09	03:02:39.8	+43:44:57	300	90	3.0	#68 2MASS Reds	2	
0109.2MJ0302413p642054	420	1:09	03:02:41.3	+64:20:54	300	90	3.0	#68 2MASS Reds	2	
0110.COMP	12	1:09	03:02:41.3	+64:20:54	300	90	3.0	#68 2MASS Reds	2	
0111.2MJ0302482p744021	270	1:09	03:02:48.2	+74:40:21	300	90	3.0	#68 2MASS Reds	2	
0112.COMP	12	1:09	03:02:48.2	+74:40:21	300	90	3.0	#68 2MASS Reds	2	
0113.2MJ0302560p444626	600	1:09	03:02:56.0	+44:46:26	300	90	3.0	#68 2MASS Reds	2	
0114.COMP	12	1:09	03:02:56.0	+44:46:26	300	90	3.0	#68 2MASS Reds	2	
0115.2MJ0303303p743954	210	1:09	03:03:30.3	+74:39:54	300	90	3.0	#68 2MASS Reds	2	
0116.COMP	12	1:09	03:03:30.3	+74:39:54	300	90	3.0	#68 2MASS Reds	2	
0117.sn2001ep	1200	1:09	04:57:00.2	-04:45:40	300	22	3.0	#2 SN Observat	2	
0118.COMP	12	1:09	04:57:00.2	-04:45:40	300	22	3.0	#2 SN Observat	2	
0119.BGGem	360	1:09	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0120.COMP	12	1:09	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0121.BGGem	1200	1:09	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0122.COMP	12	1:09	6:03:31	27:41:50	300	90	3.0	#100 BGGem	2	
0123.sn2001fe	1200	1:09	09:37:57.1	+25:29:41	300	109	3.0	#2 SN Observat	2	
0124.COMP	12	1:09	09:37:57.1	+25:29:41	300	109	3.0	#2 SN Observat	2	
0125.sn2001ir	1200	1:09	08:36:28.4	-11:50:03	300	-14	3.0	#2 SN Observat	2	
0126.COMP	12	1:09	08:36:28.4	-11:50:03	300	-14	3.0	#2 SN Observat	2	
0127.Feige34	120	1:09	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=430
0128.COMP	10	1:09	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0129.hs587	90	1:09	9:10:21.7	27:58:24	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	1:09	9:10:21.7	27:58:24	600	90	2.0	#122 Halo Star	4	
0131.hs588	270	1:09	9:10:21.9	28:18:32	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	1:09	9:10:21.9	28:18:32	600	90	2.0	#122 Halo Star	4	
0133.hs589	240	1:09	9:10:53.7	28:50:31	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	1:09	9:10:53.7	28:50:31	600	90	2.0	#122 Halo Star	4	
0135.hs590	1200	1:09	9:11:09.8	29:29:35	600	90	2.0	#122 Halo Star	4	
0136.COMP	10	1:09	9:11:09.8	29:29:35	600	90	2.0	#122 Halo Star	4	
0137.hs600	480	1:09	9:16:23.2	29:24:43	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	1:09	9:16:23.2	29:24:43	600	90	2.0	#122 Halo Star	4	
0139.hs601	660	1:09	9:16:31.2	28:53:49	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	1:09	9:16:31.2	28:53:49	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0141.hs602	570	1:09	9:16:32.6	28:54:10	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	1:09	9:16:32.6	28:54:10	600	90	2.0	#122 Halo Star	4	
0143.hs603	240	1:09	9:16:41.7	27:51:36	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	1:09	9:16:41.7	27:51:36	600	90	2.0	#122 Halo Star	4	
0145.hs604	1200	1:09	9:16:48.5	29:44:32	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	1:09	9:16:48.5	29:44:32	600	90	2.0	#122 Halo Star	4	
0147.hs605	1020	1:09	9:17:07.1	27:51:30	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	1:09	9:17:07.1	27:51:30	600	90	2.0	#122 Halo Star	4	
0149.hs606	1200	1:09	9:17:07.1	29:23:29	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	1:09	9:17:07.1	29:23:29	600	90	2.0	#122 Halo Star	4	
0151.hs607	1200	1:09	9:18:29.1	29:13:35	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	1:09	9:18:29.1	29:13:35	600	90	2.0	#122 Halo Star	4	
0153.hs608	1200	1:09	9:18:58.9	29:40:46	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	1:09	9:18:58.9	29:40:46	600	90	2.0	#122 Halo Star	4	close for wind
0155-0164.FLAT	40	12:52	9:18:58.9	29:40:46	600	90	2.0	#122 Halo Star	4	
0165.BIAS	0	12:52	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	4	
0166.BIAS	0	12:52	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	4	normal setup
0167-0174.BIAS	0	13:14	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	4	
0175-0184.FLAT	6	13:18	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	4	
0185-0194.BIAS	0	13:21	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	2	



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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>
0195-0204.FLAT	12	13:27	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	2	
0205-0214.DARK	900	15:55	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0005.DARK	900	0:48	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	4	
0006-0015.BIAS	0	1:11	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	4	
0016-0025.FLAT	6	1:13	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	4	
0026-0035.BIAS	0	1:19	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	2	
0036-0045.FLAT	12	1:24	9:18:58.9	29:40:46	300	90	3.0	#122 Halo Star	2	
0046.BDp284211	60	1:24	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0047.BDp284211	60	1:24	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	seeing 4+
0048.COMP	5	1:24	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	4	
0049.BDp284211	60	1:24	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0050.BDp284211	60	1:24	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0051.COMP	12	1:24	21:48:57.1	28:37:48	300	90	3.0	#56 Spectropho	2	
0052.BDp284211	60	1:24	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0053.BDp284211	60	1:24	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0054.COMP	12	1:24	21:48:57.1	28:37:48	300	75	3.0	#56 Spectropho	2	
0055.M31	60	1:24	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0056.M31	60	1:24	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	
0057.COMP	12	1:24	00:40:00.0	+40:59:42	300	90	3.0	#57 Velocity S	2	wait for conditions to improve
0058.sn2001iq	1200	1:24	22:25:10.4	+42:43:04	300	90	3.0	#2 SN Observat	2	
0059.COMP	12	1:24	22:25:10.4	+42:43:04	300	90	3.0	#2 SN Observat	2	
0060.sn2001en	1200	1:24	01:25:22.9	+34:01:30	300	109	3.0	#2 SN Observat	2	

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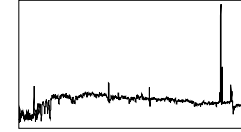
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0061.COMP	12	1:24	01:25:22.9	+34:01:30	300	109	3.0	#2 SN Observat	2	
0062.2MJ0303404p513430	1200	1:24	03:03:40.4	+51:34:30	300	90	3.0	#68 2MASS Reds	2	
0063.COMP	12	1:24	03:03:40.4	+51:34:30	300	90	3.0	#68 2MASS Reds	2	
0064.2MJ0304012p294545	1200	1:24	03:04:01.2	+29:45:45	300	90	3.0	#68 2MASS Reds	2	
0065.COMP	12	1:24	03:04:01.2	+29:45:45	300	90	3.0	#68 2MASS Reds	2	
0066.2MJ0305252p464420	1020	1:24	03:05:25.2	+46:44:20	300	90	3.0	#68 2MASS Reds	2	
0067.COMP	12	1:24	03:05:25.2	+46:44:20	300	90	3.0	#68 2MASS Reds	2	
0068.2MJ0306226p285032	900	1:24	03:06:22.6	+28:50:32	300	90	3.0	#68 2MASS Reds	2	
0069.COMP	12	1:24	03:06:22.6	+28:50:32	300	90	3.0	#68 2MASS Reds	2	
0070.2MJ0308219p124049	720	1:24	03:08:21.9	+12:40:49	300	90	3.0	#68 2MASS Reds	2	
0071.COMP	12	1:24	03:08:21.9	+12:40:49	300	90	3.0	#68 2MASS Reds	2	
0072.2MJ0536430p133737	480	1:24	05:36:43.0	+13:37:37	300	90	3.0	#68 2MASS Reds	2	row=80
0073.COMP	12	1:24	05:36:43.0	+13:37:37	300	90	3.0	#68 2MASS Reds	2	
0074.2MJ0537086m102659	180	1:24	05:37:08.6	-10:26:59	300	90	3.0	#68 2MASS Reds	2	
0075.COMP	12	1:24	05:37:08.6	-10:26:59	300	90	3.0	#68 2MASS Reds	2	
0076.2MJ0537238p513801	600	1:24	05:37:23.8	+51:38:01	300	90	3.0	#68 2MASS Reds	2	row=80
0077.COMP	12	1:24	05:37:23.8	+51:38:01	300	90	3.0	#68 2MASS Reds	2	
0078.2MJ0537337p521119	780	1:24	05:37:33.7	+52:11:19	300	90	3.0	#68 2MASS Reds	2	row=80
0079.COMP	12	1:24	05:37:33.7	+52:11:19	300	90	3.0	#68 2MASS Reds	2	
0080.2MJ0538012p494423	900	1:24	05:38:01.2	+49:44:23	300	90	3.0	#68 2MASS Reds	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.COMP	12	1:24	05:38:01.2	+49:44:23	300	90	3.0	#68 2MASS Reds	2	
0082.hs609	1200	1:24	9:19:02.7	28:59:34	600	90	2.0	#122 Halo Star	4	600L, 2arcsec, tilt=430
0083.COMP	10	1:24	9:19:02.7	28:59:34	600	90	2.0	#122 Halo Star	4	
0084.hs610	780	1:24	9:20:08.7	29:00:52	600	90	2.0	#122 Halo Star	4	
0085.COMP	10	1:24	9:20:08.7	29:00:52	600	90	2.0	#122 Halo Star	4	seeing much improved!
0086.hs611	900	1:24	9:20:21.1	28:55:20	600	90	2.0	#122 Halo Star	4	
0087.COMP	10	1:24	9:20:21.1	28:55:20	600	90	2.0	#122 Halo Star	4	
0088.hs612	90	1:24	9:21:15.9	28:04:17	600	90	2.0	#122 Halo Star	4	
0089.COMP	10	1:24	9:21:15.9	28:04:17	600	90	2.0	#122 Halo Star	4	
0090.hs613	1200	1:24	9:21:27.4	29:36:39	600	90	2.0	#122 Halo Star	4	
0091.COMP	10	1:24	9:21:27.4	29:36:39	600	90	2.0	#122 Halo Star	4	
0092.hs614	1200	1:24	9:22:02.0	29:11:47	600	90	2.0	#122 Halo Star	4	
0093.COMP	12	1:24	9:22:02.0	29:11:47	600	90	2.0	#122 Halo Star	4	
0094.hs615	720	1:24	9:22:08.0	27:54:04	600	90	2.0	#122 Halo Star	4	try again
0095.COMP	10	1:24	9:22:08.0	27:54:04	600	90	2.0	#122 Halo Star	4	
0096.hs615	1200	1:24	9:22:08.0	27:54:04	600	90	2.0	#122 Halo Star	4	
0097.COMP	10	1:24	9:22:08.0	27:54:04	600	90	2.0	#122 Halo Star	4	
0098.hs616	1200	1:24	9:23:05.7	29:22:14	600	90	2.0	#122 Halo Star	4	
0099.COMP	10	1:24	9:23:05.7	29:22:14	600	90	2.0	#122 Halo Star	4	
0100.hs617	960	1:24	9:23:13.3	29:26:58	600	90	2.0	#122 Halo Star	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0101.COMP	10	1:24	9:23:13.3	29:26:58	600	90	2.0	#122 Halo Star	4	
0102.hs618	780	1:24	9:23:20.2	29:24:51	600	90	2.0	#122 Halo Star	4	
0103.COMP	10	1:24	9:23:20.2	29:24:51	600	90	2.0	#122 Halo Star	4	
0104.hs619	240	1:24	9:23:39.3	28:46:50	600	90	2.0	#122 Halo Star	4	
0105.COMP	10	1:24	9:23:39.3	28:46:50	600	90	2.0	#122 Halo Star	4	
0106.hs620	600	1:24	9:23:42.8	29:10:06	600	90	2.0	#122 Halo Star	4	
0107.COMP	10	1:24	9:23:42.8	29:10:06	600	90	2.0	#122 Halo Star	4	
0108.hs621	120	1:24	9:23:57.9	28:49:24	600	90	2.0	#122 Halo Star	4	
0109.COMP	10	1:24	9:23:57.9	28:49:24	600	90	2.0	#122 Halo Star	4	
0110.hs622	870	1:24	9:24:16.4	28:42:47	600	90	2.0	#122 Halo Star	4	
0111.COMP	10	1:24	9:24:16.4	28:42:47	600	90	2.0	#122 Halo Star	4	
0112.hs623	1200	1:24	9:24:21.7	29:22:32	600	90	2.0	#122 Halo Star	4	
0113.COMP	10	1:24	9:24:21.7	29:22:32	600	90	2.0	#122 Halo Star	4	
0114.hs624	480	1:24	9:24:23.5	28:58:33	600	90	2.0	#122 Halo Star	4	
0115.COMP	10	1:24	9:24:23.5	28:58:33	600	90	2.0	#122 Halo Star	4	
0116.Feige34	120	1:24	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0117.COMP	10	1:24	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0118-0127.FLAT	40	12:46	10:36:41.2	43:21:50	600	90	2.0	#122 Halo Star	4	
0128.sn2001ie	1200	12:46	10:16:50.7	+60:16:44	300	-38	3.0	#2 SN Observat	2	Normal setup
0129.COMP	12	12:46	10:16:50.7	+60:16:44	300	-38	3.0	#2 SN Observat	2	

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<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>
0130.Feige34	90	12:46	10:36:41.2	43:21:50	300	-66	3.0	#56 Spectropho	2	
0131.COMP	12	12:46	10:36:41.2	43:21:50	300	-66	3.0	#56 Spectropho	2	
0132-0141.BIAS	0	14:05	10:36:41.2	43:21:50	300	90	3.0	#57 Velocity S	4	
0142-0151.FLAT	6	14:08	10:36:41.2	43:21:50	300	90	3.0	#57 Velocity S	4	
0152-0161.BIAS	0	14:11	10:36:41.2	43:21:50	300	90	3.0	#57 Velocity S	2	
0162-0171.FLAT	12	14:15	10:36:41.2	43:21:50	300	90	3.0	#57 Velocity S	2	
0172-0181.DARK	900	16:33	10:36:41.2	43:21:50	300	90	3.0	#57 Velocity S	2	