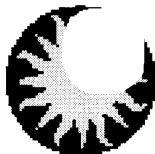


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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0005.DARK	900	0:04	11:54:20	46:18:12	300	90	3.0	#2 SN Observat	4	
0006.COMP	6	0:21	11:54:20	46:18:12	300	90	3.0	#2 SN Observat	4	henear lamp is fixed
0007.COMP	6	0:23	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0008.fastfoc	5	0:25	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0009.fastfoc	5	0:26	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0010.fastfoc	5	0:26	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0011.fastfoc	5	0:26	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0012.fastfoc	5	0:26	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0013.fastfoc	5	0:27	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0014.fastfoc	5	0:27	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0015.fastfoc	5	0:27	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0016.fastfoc	5	0:27	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0017.fastfoc	5	0:28	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0018.fastfoc	5	0:28	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0019.fastfoc	5	0:28	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0020.fastfoc	5	0:28	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0021.fastfoc	5	0:29	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0022.fastfoc	5	0:29	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0023.fastfoc	5	0:29	11:54:20	46:18:12	600	90	3.0	#2 SN Observat	4	
0024.COMP	6	0:33	11:54:20	46:18:12	600	90	3.0	#139 M32	4	

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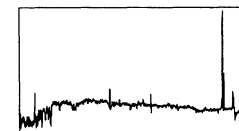
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0025-0035.BIAS	0	0:35	11:54:20	46:18:12	600	90	3.0	#139 M32	4	
0036-0045.BIAS	0	0:38	11:54:20	46:18:12	600	90	3.0	#139 M32	2	
0046.FLAT	30	0:38	11:54:20	46:18:12	600	90	3.0	#139 M32	4	600-line, 3-sec slit, tilt 452
0047-0055.FLAT	30	0:44	11:54:20	46:18:12	600	90	3.0	#139 M32	4	
0056-0065.FLAT	24	0:51	11:54:20	46:18:12	600	90	3.0	#139 M32	4	
0066.BDp284211	120	1:30	21:48:57.1	28:37:48	600	76	3.0	#139f M32	4	
0067.BDp284211	120	1:33	21:48:57.1	28:37:48	600	76	3.0	#139f M32	4	
0068.BDp284211	120	1:35	21:48:57.1	28:37:48	600	76	3.0	#139f M32	4	
0069.BDp284211	120	1:37	21:48:57.1	28:37:48	600	76	3.0	#139f M32	4	
0070.COMP	12	1:40	21:48:57.1	28:37:48	600	76	3.0	#139f M32	4	
0071.M32_C	300	1:43	00:42:42.9	40:51:21	600	-20	3.0	#139f M32	4	
0072.COMP	12	1:49	00:42:42.9	40:51:21	600	-20	3.0	#139f M32	4	
0073.M32_C	60	1:57	00:42:42.9	40:51:21	600	-20	3.0	#139f M32	4	
0074.M32_5	900	1:59	00:42:43.4	40:51:21	600	-20	3.0	#139f M32	4	
0075.COMP	12	2:14	00:42:43.4	40:51:21	600	-20	3.0	#139f M32	4	
0076.M32_15	900	2:16	00:42:44.2	40:51:21	600	-20	3.0	#139f M32	4	
0077.M32_15	900	2:32	00:42:44.2	40:51:21	600	-20	3.0	#139f M32	4	
0078.COMP	12	2:47	00:42:44.2	40:51:21	600	-20	3.0	#139f M32	4	
0079.sky1	900	2:48	00:42:43.0	40:41:25	600	-20	3.0	#139f M32	4	
0080.M32_30	900	3:05	00:42:45.8	40:51:21	600	-20	3.0	#139f M32	4	

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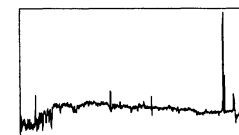
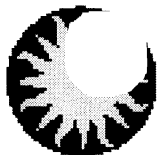
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0081.M32_30	900	3:20	00:42:45.8	40:51:21	600	-20	3.0	#139f M32	4	
0082.COMP	12	3:36	00:42:45.8	40:51:21	600	-20	3.0	#139f M32	4	
0083.sky2	900	3:37	00:42:43.0	40:36:25	600	-20	3.0	#139f M32	4	
0084.M32_30	900	3:54	00:42:45.8	40:51:21	600	-20	3.0	#139f M32	4	
0085.M32_30	900	4:09	00:42:45.8	40:51:21	600	-20	3.0	#139f M32	4	
0086.M32_30	900	4:24	00:42:45.8	40:51:21	600	-20	3.0	#139f M32	4	
0087.COMP	12	4:39	00:42:45.8	40:51:21	600	-20	3.0	#139f M32	4	
0088.sky1	900	4:40	00:42:43.0	40:41:25	600	-20	3.0	#139f M32	4	
0089.M32_30	900	4:56	00:42:45.8	40:51:21	600	-20	3.0	#139f M32	4	
0090.M32_30	900	5:11	00:42:45.8	40:51:21	600	-20	3.0	#139f M32	4	
0091.sky2	900	5:27	00:42:43.0	40:36:25	600	-20	3.0	#139f M32	4	
0092.COMP	12	5:43	00:42:43.0	40:36:25	600	-20	3.0	#139f M32	4	
0093.BIAS	0	5:44	4:50:00	30:00:00	300	-20	3.0	#139f M32	4	
0094.NGC1700	180	5:48	04:56:58.1	-04:52:22	300	25	3.0	#57 Velocity S	4	300-line, 3-sec, combo
0095.COMP	6	5:51	04:56:58.1	-04:52:22	300	25	3.0	#57 Velocity S	4	
0096.sn2002fk	1200	5:53	03:22:05.7	-15:24:03	300	25	3.0	#2 SN Observat	2	
0097.COMP	10	6:13	03:22:05.7	-15:24:03	300	25	3.0	#2 SN Observat	2	
0098.Akn120	300	6:16	05:13:38.0	-00:12:15	300	2	3.0	#6 AGN Monitor	4	
0099.COMP	5	6:21	05:13:38.0	-00:12:15	300	2	3.0	#6 AGN Monitor	4	
0100.2MJ0344140p460632	240	6:25	03:44:14.0	+46:06:32	300	90	3.0	#68 2MASS Reds	4	

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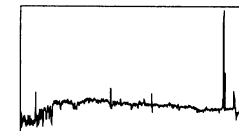
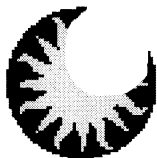
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0101.COMP	5	6:29	03:44:14.0	+46:06:32	300	90	3.0	#68 2MASS Reds	4	
0102.2MJ0344189p391950	420	6:30	03:44:18.9	+39:19:50	300	90	3.0	#68 2MASS Reds	4	
0103.COMP	5	6:38	03:44:18.9	+39:19:50	300	90	3.0	#68 2MASS Reds	4	
0104.2MJ0344513p455043	480	6:39	03:44:51.3	+45:50:43	300	90	3.0	#68 2MASS Reds	4	
0105.COMP	5	6:47	03:44:51.3	+45:50:43	300	90	3.0	#68 2MASS Reds	4	
0106.2MJ0344534p462029	540	6:48	03:44:53.4	+46:20:29	300	90	3.0	#68 2MASS Reds	4	
0107.COMP	5	6:57	03:44:53.4	+46:20:29	300	90	3.0	#68 2MASS Reds	4	
0108.2MJ0344594p402236	480	6:58	03:44:59.4	+40:22:36	300	90	3.0	#68 2MASS Reds	4	
0109.COMP	5	7:06	03:44:59.4	+40:22:36	300	90	3.0	#68 2MASS Reds	4	
0110.2MJ0346574p402652	420	7:07	03:46:57.4	+40:26:52	300	90	3.0	#68 2MASS Reds	4	
0111.COMP	5	7:14	03:46:57.4	+40:26:52	300	90	3.0	#68 2MASS Reds	4	
0112.2MJ0347183p465125	540	7:15	03:47:18.3	+46:51:25	300	90	3.0	#68 2MASS Reds	4	
0113.COMP	5	7:24	03:47:18.3	+46:51:25	300	90	3.0	#68 2MASS Reds	4	
0114.2MJ0347282p411826	300	7:25	03:47:28.2	+41:18:26	300	90	3.0	#68 2MASS Reds	4	
0115.COMP	5	7:30	03:47:28.2	+41:18:26	300	90	3.0	#68 2MASS Reds	4	
0116.2MJ0353043p691827	1200	7:32	03:53:04.3	+69:18:27	300	90	3.0	#68 2MASS Reds	4	
0117.COMP	5	7:52	03:53:04.3	+69:18:27	300	90	3.0	#68 2MASS Reds	4	
0118.2MJ0425531p403502	1200	7:53	04:25:53.1	+40:35:02	300	90	3.0	#68 2MASS Reds	4	
0119.COMP	5	8:14	04:25:53.1	+40:35:02	300	90	3.0	#68 2MASS Reds	4	
0120.2MJ0426142p252245	900	8:15	04:26:14.2	+25:22:45	300	90	3.0	#68 2MASS Reds	4	

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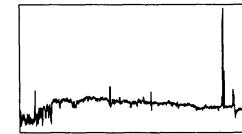
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0121.COMP	5	8:31	04:26:14.2	+25:22:45	300	90	3.0	#68 2MASS Reds	4	
0122.2MJ0502478p512159	900	8:32	05:02:47.8	+51:21:59	300	90	3.0	#68 2MASS Reds	4	
0123.COMP	5	8:47	05:02:47.8	+51:21:59	300	90	3.0	#68 2MASS Reds	4	
0124.2MJ0506022p514918	900	8:48	05:06:02.2	+51:49:18	300	90	3.0	#68 2MASS Reds	4	
0125.COMP	5	9:03	05:06:02.2	+51:49:18	300	90	3.0	#68 2MASS Reds	4	
0126.2MJ0506508p502158	480	9:04	05:06:50.8	+50:21:58	300	90	3.0	#68 2MASS Reds	4	
0127.COMP	5	9:12	05:06:50.8	+50:21:58	300	90	3.0	#68 2MASS Reds	4	
0128.2MJ0509233p521843	720	9:13	05:09:23.3	+52:18:43	300	90	3.0	#68 2MASS Reds	4	
0129.COMP	5	9:26	05:09:23.3	+52:18:43	300	90	3.0	#68 2MASS Reds	4	
0130.2MJ0540411p501123	720	9:26	05:40:41.1	+50:11:23	300	90	3.0	#68 2MASS Reds	4	
0131.COMP	5	9:39	05:40:41.1	+50:11:23	300	90	3.0	#68 2MASS Reds	4	
0132.2MJ0543062p505335	720	9:39	05:43:06.2	+50:53:35	300	90	3.0	#68 2MASS Reds	4	
0133.COMP	5	9:52	05:43:06.2	+50:53:35	300	90	3.0	#68 2MASS Reds	4	
0134.2MJ0543310p400902	720	9:53	05:43:31.0	+40:09:02	300	90	3.0	#68 2MASS Reds	4	
0135.COMP	5	10:05	05:43:31.0	+40:09:02	300	90	3.0	#68 2MASS Reds	4	
0136.2MJ0604001p465531	540	10:06	06:04:00.1	+46:55:31	300	90	3.0	#68 2MASS Reds	4	
0137.COMP	5	10:15	06:04:00.1	+46:55:31	300	90	3.0	#68 2MASS Reds	4	
0138.2MJ0606472p314618	720	10:17	06:06:47.2	+31:46:18	300	90	3.0	#68 2MASS Reds	4	
0139.COMP	5	10:29	06:06:47.2	+31:46:18	300	90	3.0	#68 2MASS Reds	4	
0140.f143a	1200	10:31	08:38:25.6	+19:35:07	300	90	3.0	#135 Starburst	2	

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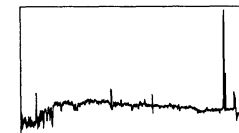
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0141.COMP	10	10:51	08:38:25.6	+19:35:07	300	90	3.0	#135 Starburst	2	
0142.Feige34	150	10:57	10:36:41.2	43:21:50	300	35	3.0	#56 Spectropho	2	residuals ok but slightly higher than others - why?
0143.Feige34	150	11:00	10:36:41.2	43:21:50	300	35	3.0	#56 Spectropho	2	
0144.COMP	10	11:03	10:36:41.2	43:21:50	300	35	3.0	#56 Spectropho	2	
0145.sn2002ji	1200	11:07	11:22:53.1	+16:35:10	300	-35	3.0	#2 SN Observat	2	
0146.COMP	10	11:27	11:22:53.1	+16:35:10	300	-35	3.0	#2 SN Observat	2	
0147.FLAT	8	11:29	10:40:00	32:00:00	300	90	3.0	#57 Velocity S	4	combo
0148-0156.FLAT	8	11:32	10:40:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0157.FLAT	16	11:32	10:40:00	32:00:00	300	90	3.0	#57 Velocity S	2	combo
0158-0166.FLAT	16	11:37	10:40:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0167.BIAS	0	11:40	10:40:00	32:00:00	300	0	5.0	#57 Velocity S	2	
0168.FLAT	10	11:41	10:39:37.6	43:06:21	300	0	5.0	#57 Velocity S	2	300-line, 5-sec, tilt 711
0169-0172.FLAT	10	11:43	10:39:37.6	43:06:21	300	0	5.0	#57 Velocity S	2	
0173.Feige34	180	11:44	10:39:37.6	43:06:21	300	0	5.0	#136 Low-Mass	2	
0174.Feige34	180	11:48	10:39:37.6	43:06:21	300	0	5.0	#136 Low-Mass	2	
0175.COMP	10	11:57	10:39:37.6	43:06:21	300	0	5.0	#136 Low-Mass	2	
0176.BIAS	0	11:58	10:39:37.6	43:06:21	300	0	5.0	#57 Velocity S	2	
0177.Feige34	180	11:58	10:39:37.6	43:06:21	300	0	5.0	#136 Low-Mass	2	with GG-495 filter
0178.Feige34	180	12:01	10:39:37.6	43:06:21	300	0	5.0	#136 Low-Mass	2	
0179.COMP	10	12:05	10:39:37.6	43:06:21	300	0	5.0	#136 Low-Mass	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0180.FLAT	10	12:06	10:39:37.6	43:06:21	300	0	5.0	#136 Low-Mass	2	with GG-495 filter
0181-0184.FLAT	10	12:07	10:39:37.6	43:06:21	300	0	5.0	#136 Low-Mass	2	
0185.BIAS	0	12:08	10:39:37.6	43:06:21	300	0	5.0	#136 Low-Mass	2	
0186.Feige34	180	12:10	10:36:41.2	43:21:50	300	0	1.5	#130 Solar Sys	2	300-line, 1.5-sec, tilt 811
0187.Feige34	300	12:14	10:36:41.2	43:21:50	300	0	1.5	#130 Solar Sys	2	
0188.COMP	15	12:19	10:36:41.2	43:21:50	300	0	1.5	#130 Solar Sys	2	
0189.moon.bright.sky	1	12:25	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0190.moon.bright.sky	0	12:26	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0191.moon.bright.sky	0	12:26	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0192.moon.bright.sky	0	12:26	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0193.moon.bright.sky	0	12:27	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0194.moon.bright.sky	0	12:27	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0195.moon.term	10	12:28	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0196.moon.term	5	12:28	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0197.moon.term	5	12:29	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0198.moon.dark.sky	10	12:30	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0199.moon.dark.sky	10	12:30	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0200.moon.dark.sky	30	12:31	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0201.moon.dark.sky	30	12:32	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0202.moon.dark.sky.bottom	30	12:33	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0203.moon.dark.sky.bottom	30	12:34	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0204.COMP	10	12:35	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0205-0214.FLAT	25	12:43	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0215.BIAS	0	12:45	11:30:00	32:00:00	300	90	1.5	#130 Solar Sys	2	
0216.Feige34	300	12:49	10:36:41.2	43:21:50	300	-20	1.5	#130 Solar Sys	2	300-line, 1.5-sec, tilt 575
0217.COMP	10	12:54	10:36:41.2	43:21:50	300	-20	1.5	#130 Solar Sys	2	
0219.moon.bright.skyblue	0	12:58	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0220.moon.bright.skyblue	0	12:58	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0221.moon.bright.skyblue	0	12:59	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0222.moon.termblue	5	12:59	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0223.moon.termblue	1	13:00	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0224.moon.termblue	1	13:00	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0225.moon.dark.skyblue	5	13:01	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0226.moon.dark.skyblue	30	13:02	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0227.moon.dark.skyblue	30	13:03	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0228.moon.dark.skyblue	30	13:04	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0229.moon.dark.skyblue.bottom	10	13:05	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0230.moon.dark.skyblue.bottom	20	13:06	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0231.moon.dark.skyblue.bottom	10	13:07	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0232.COMP	10	13:07	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	



UT Date 2002-12-28 Observers P Berlind

Coll. Focus 800 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>
0233-0242.FLAT	30	13:17	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0243-0252.BIAS	0	13:26	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	2	
0253-0262.BIAS	0	13:28	13:40:50	-06:51:17	300	90	1.5	#130 Solar Sys	4	
0263-0272.DARK	1200	16:32	13:40:50	-06:51:17	300	90	3.0	#130 Solar Sys	2	