

UT Date 2009-12-13 Observers M CalkinsColl. Focus 1820 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001-0010.BIAS	0	23:21	10:01:02.4	+02:22:29	300	90	3.0	#182 Runaway B	2	
0011-0025.FLAT	7	23:26	10:01:02.4	+02:22:29	300	90	3.0	#182 Runaway B	2	
0026-0030.DARK	900	00:33	10:01:02.4	+02:22:29	300	90	3.0	#182 Runaway B	2	
0031.BDp284211	90	01:19	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0032.BDp284211	90	01:21	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0033.COMP	10	01:25	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0034.BDp174708	75	01:26	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0035.BDp174708	75	01:28	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0036.COMP	10	01:29	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0037.HD180617.M3V	10	01:32	19:16:57.0	+05:11:12	300	90	3.0	#61 Spectral S	2	
0038.HD180617.M3V	60	01:33	19:16:57.0	+05:11:12	300	90	3.0	#61 Spectral S	2	
0039.COMP	10	01:34	19:16:57.0	+05:11:12	300	90	3.0	#61 Spectral S	2	
0040.HD185293.M7Ie	60	01:35	19:38:01.0	+11:43:19	300	90	3.0	#61 Spectral S	2	
0041.HD185293.M7Ie	10	01:36	19:38:01.0	+11:43:19	300	90	3.0	#61 Spectral S	2	
0042.COMP	10	01:37	19:38:01.0	+11:43:19	300	90	3.0	#61 Spectral S	2	
0043.HD339034.M1Iab.K3Iab	10	01:38	19:50:12.0	+24:56:39	300	90	3.0	#61 Spectral S	2	
0044.HD339034.M1Iab.K3Iab	30	01:39	19:50:12.0	+24:56:39	300	90	3.0	#61 Spectral S	2	
0045.COMP	10	01:40	19:50:12.0	+24:56:39	300	90	3.0	#61 Spectral S	2	
0046.HD189319.MOIII	10	01:41	19:58:45.0	+19:29:30	300	90	3.0	#61 Spectral S	2	
0047.HD189319.MOIII	10	01:42	19:58:45.0	+19:29:30	300	90	3.0	#61 Spectral S	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.COMP	10	01:42	19:58:45.0	+19:29:30	300	90	3.0	#61 Spectral S	2	
0049.HD189319.M0III	10	01:43	19:58:45.0	+19:29:30	300	90	3.0	#61 Spectral S	2	
0050.HD196610.M6III	1	01:44	20:37:54.0	+18:16:03	300	90	3.0	#61 Spectral S	2	
0051.COMP	10	01:46	20:37:54.0	+18:16:03	300	90	3.0	#61 Spectral S	2	
0052.AZCyg.M2Iab	1	01:48	20:57:59.0	+46:28:00	300	90	3.0	#61 Spectral S	2	
0053.AZCyg.M2Iab	10	01:48	20:57:59.0	+46:28:00	300	90	3.0	#61 Spectral S	2	
0054.COMP	10	01:49	20:57:59.0	+46:28:00	300	90	3.0	#61 Spectral S	2	
0055.HD200527.M4III	1	01:51	21:02:24.0	+44:47:28	300	90	3.0	#61 Spectral S	2	
0056.COMP	10	01:51	21:02:24.0	+44:47:28	300	90	3.0	#61 Spectral S	2	
0057.HD200527.M4III	5	01:52	21:02:24.0	+44:47:28	300	90	3.0	#61 Spectral S	2	
0058.HD204585.M4III	1	01:53	21:28:59.0	+22:10:46	300	90	3.0	#61 Spectral S	2	
0059.HD204585.M4III	5	01:53	21:28:59.0	+22:10:46	300	90	3.0	#61 Spectral S	2	
0060.COMP	10	01:54	21:28:59.0	+22:10:46	300	90	3.0	#61 Spectral S	2	
0061.HD206330.M1III	1	01:55	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0062.HD206330.M1III	5	01:56	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0063.COMP	10	01:56	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0064.HD206330.M1III	1	01:57	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0065.HD206330.M1III	5	01:58	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0066.COMP	10	01:58	21:40:10.0	+43:16:25	300	90	3.0	#61 Spectral S	2	
0067.HD209290.MOV	1	02:00	22:02:11.0	+01:24:14	300	90	3.0	#61 Spectral S	2	

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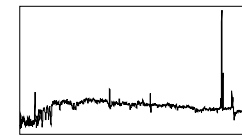
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068.HD209290.MOV	10	02:00	22:02:11.0	+01:24:14	300	90	3.0	#61 Spectral S	2	
0069.HD209290.MOV	60	02:00	22:02:11.0	+01:24:14	300	90	3.0	#61 Spectral S	2	
0070.COMP	10	02:02	22:02:11.0	+01:24:14	300	90	3.0	#61 Spectral S	2	
0071.CYG03	300	02:05	20:33:09.2	+41:13:43	300	61	3.0	#157 IPHAS	2	
0072.COMP	10	02:11	20:33:09.2	+41:13:43	300	61	3.0	#157 IPHAS	2	
0073.CYG04	300	02:13	20:31:28.4	+41:34:10	300	89	3.0	#157 IPHAS	2	
0074.COMP	10	02:18	20:31:28.4	+41:34:10	300	89	3.0	#157 IPHAS	2	
0075.CYG05	180	02:20	20:31:50.9	+41:31:17	300	89	3.0	#157 IPHAS	2	
0076.COMP	10	02:24	20:31:50.9	+41:31:17	300	89	3.0	#157 IPHAS	2	
0077.CYG06	180	02:24	20:31:37.3	+41:23:36	300	89	3.0	#157 IPHAS	2	
0078.COMP	10	02:28	20:31:37.3	+41:23:36	300	89	3.0	#157 IPHAS	2	
0079.CYG07	180	02:29	20:31:39.6	+41:26:48	300	89	3.0	#157 IPHAS	2	
0080.COMP	10	02:32	20:31:39.6	+41:26:48	300	89	3.0	#157 IPHAS	2	
0081.CYG08	300	02:33	20:31:43.7	+41:36:07	300	89	3.0	#157 IPHAS	2	
0082.COMP	10	02:38	20:31:43.7	+41:36:07	300	89	3.0	#157 IPHAS	2	
0083.CYG09	180	02:39	20:31:51.3	+41:23:23	300	89	3.0	#157 IPHAS	2	
0084.COMP	10	02:43	20:31:51.3	+41:23:23	300	89	3.0	#157 IPHAS	2	
0085.CYG10	180	02:44	20:31:53.8	+41:37:29	300	89	3.0	#157 IPHAS	2	
0086.COMP	10	02:48	20:31:53.8	+41:37:29	300	89	3.0	#157 IPHAS	2	
0087.CYG11	180	02:48	20:32:31.7	+41:28:29	300	89	3.0	#157 IPHAS	2	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0088.COMP	10	02:52	20:32:31.7	+41:28:29	300	89	3.0	#157 IPHAS	2	
0089.CYG12	900	02:53	20:32:15.8	+41:34:20	300	89	3.0	#157 IPHAS	2	
0090.COMP	10	03:08	20:32:15.8	+41:34:20	300	89	3.0	#157 IPHAS	2	
0091.sn2009lf	1800	03:16	02:01:39.6	+15:19:58	300	54	3.0	#2 SN Observat	2	
0092.COMP	10	03:46	02:01:39.6	+15:19:58	300	54	3.0	#2 SN Observat	2	
0093.sn2009le	1800	03:53	02:09:17.1	-23:24:45	300	31	3.0	#2 SN Observat	2	
0094.COMP	10	04:23	02:09:17.1	-23:24:45	300	31	3.0	#2 SN Observat	2	
0095.IPHAS_W0220	720	04:28	00:50:32.3	+62:31:55	300	90	3.0	#157 IPHAS	2	
0096.COMP	10	04:42	00:50:32.3	+62:31:55	300	90	3.0	#157 IPHAS	2	
0097.IPHAS_W0221	420	04:50	00:51:29.1	+61:38:58	300	90	3.0	#157 IPHAS	2	
0098.COMP	10	04:57	00:51:29.1	+61:38:58	300	90	3.0	#157 IPHAS	2	
0099.IPHAS_W0222	420	05:01	00:52:07.7	+67:06:16	300	90	3.0	#157 IPHAS	2	
0100.COMP	10	05:08	00:52:07.7	+67:06:16	300	90	3.0	#157 IPHAS	2	
0101.IPHAS_W0223	900	05:10	00:53:26.5	+61:01:37	300	90	3.0	#157 IPHAS	2	
0102.COMP	10	05:25	00:53:26.5	+61:01:37	300	90	3.0	#157 IPHAS	2	
0103.IPHAS_W0226	1200	05:26	00:54:25.0	+64:12:53	300	90	3.0	#157 IPHAS	2	
0104.COMP	10	05:47	00:54:25.0	+64:12:53	300	90	3.0	#157 IPHAS	2	
0105.IPHAS_W1592	300	06:10	05:42:00.5	+30:49:57	300	90	3.0	#157 IPHAS	2	
0106.COMP	10	06:16	05:42:00.5	+30:49:57	300	90	3.0	#157 IPHAS	2	
0107.IPHAS_W1612	900	06:17	05:47:05.8	+22:34:10	300	90	3.0	#157 IPHAS	2	

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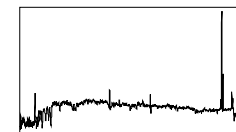
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0108.COMP	10	06:32	05:47:05.8	+22:34:10	300	90	3.0	#157 IPHAS	2	
0109.IPHAS.W1657	1500	06:34	05:51:26.0	+21:24:29	300	90	3.0	#157 IPHAS	2	
0110.COMP	10	06:59	05:51:26.0	+21:24:29	300	90	3.0	#157 IPHAS	2	
0111.HD10465.M2Ib	1	07:01	01:43:11.0	+48:30:59	300	90	3.0	#61 Spectral S	2	
0112.HD10465.M2Ib	10	07:02	01:43:11.0	+48:30:59	300	90	3.0	#61 Spectral S	2	
0113.HD10465.M2Ib	60	07:02	01:43:11.0	+48:30:59	300	90	3.0	#61 Spectral S	2	
0114.COMP	10	07:03	01:43:11.0	+48:30:59	300	90	3.0	#61 Spectral S	2	
0115.HD12025.M5III	10	07:05	01:59:35.0	+54:49:21	300	90	3.0	#61 Spectral S	2	
0116.HD12025.M5III	60	07:05	01:59:35.0	+54:49:21	300	90	3.0	#61 Spectral S	2	
0117.COMP	10	07:06	01:59:35.0	+54:49:21	300	90	3.0	#61 Spectral S	2	
0118.HD36395.M1V	10	07:21	05:31:24.0	-03:38:54	300	90	3.0	#61 Spectral S	2	
0119.HD36395.M1V	60	07:21	05:31:24.0	-03:38:54	300	90	3.0	#61 Spectral S	2	
0120.COMP	10	07:22	05:31:24.0	-03:38:54	300	90	3.0	#61 Spectral S	2	
0121.GJ213.M4V	60	07:25	05:42:09.0	+12:29:21	300	90	3.0	#61 Spectral S	2	
0122.GJ213.M4V	300	07:27	05:42:09.0	+12:29:21	300	90	3.0	#61 Spectral S	2	
0123.COMP	10	07:32	05:42:09.0	+12:29:21	300	90	3.0	#61 Spectral S	2	
0124.HD39045.M3III	10	07:33	05:51:25.0	+32:07:28	300	90	3.0	#61 Spectral S	2	
0125.HD39045.M3III	60	07:34	05:51:25.0	+32:07:28	300	90	3.0	#61 Spectral S	2	
0126.COMP	10	07:35	05:51:25.0	+32:07:28	300	90	3.0	#61 Spectral S	2	
0127.HD39225.M1III	10	07:36	05:52:39.0	+33:55:02	300	90	3.0	#61 Spectral S	2	

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0128.HD39225.M1III	60	07:36	05:52:39.0	+33:55:02	300	90	3.0	#61 Spectral S	2	
0129.COMP	10	07:38	05:52:39.0	+33:55:02	300	90	3.0	#61 Spectral S	2	
0130.HD39816.M6III	10	07:39	05:55:49.0	+20:10:30	300	90	3.0	#61 Spectral S	2	
0131.HD39816.M6III	60	07:39	05:55:49.0	+20:10:30	300	90	3.0	#61 Spectral S	2	
0132.COMP	10	07:40	05:55:49.0	+20:10:30	300	90	3.0	#61 Spectral S	2	
0133.HD42475.M1Iab	10	07:42	06:11:51.0	+21:52:06	300	90	3.0	#61 Spectral S	2	
0134.HD42475.M1Iab	1	07:42	06:11:51.0	+21:52:06	300	90	3.0	#61 Spectral S	2	
0135.HD42475.M1Iab	60	07:42	06:11:51.0	+21:52:06	300	90	3.0	#61 Spectral S	2	
0136.COMP	10	07:44	06:11:51.0	+21:52:06	300	90	3.0	#61 Spectral S	2	
0137.HD42543.M0Iab	10	07:45	06:12:19.0	+22:54:31	300	90	3.0	#61 Spectral S	2	
0138.HD42543.M0Iab	60	07:45	06:12:19.0	+22:54:31	300	90	3.0	#61 Spectral S	2	
0139.COMP	10	07:46	06:12:19.0	+22:54:31	300	90	3.0	#61 Spectral S	2	
0140.GITau	240	07:49	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0141.COMP	10	07:54	04:33:34.0	+24:21:18	300	90	3.0	#12 Symbiotic	2	
0142.GKTau	240	07:54	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0143.COMP	10	07:59	04:33:34.5	+24:21:07	300	90	3.0	#12 Symbiotic	2	
0144.BGGem	300	08:00	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0145.COMP	10	08:05	06:03:31.0	+27:41:50	300	90	3.0	#12 Symbiotic	2	
0146.BXMon	15	08:08	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0147.BXMon	180	08:08	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	

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0148.COMP	10	08:11	07:25:23.0	-03:35:51	300	90	3.0	#12 Symbiotic	2	
0149.IPHAS_W1657	1500	08:19	05:51:26.0	+21:24:29	300	90	3.0	#157 IPHAS	2	
0150.COMP	10	08:44	05:51:26.0	+21:24:29	300	90	3.0	#157 IPHAS	2	
0151.IPHAS_W1663	900	08:46	05:52:44.3	+17:11:18	300	90	3.0	#157 IPHAS	2	
0152.COMP	10	09:01	05:52:44.3	+17:11:18	300	90	3.0	#157 IPHAS	2	
0153.IPHAS_W1667	1200	09:02	05:53:42.8	+21:52:23	300	90	3.0	#157 IPHAS	2	
0154.COMP	10	09:22	05:53:42.8	+21:52:23	300	90	3.0	#157 IPHAS	2	
0155.IPHAS_W1670	1200	09:24	05:54:18.6	+22:54:14	300	90	3.0	#157 IPHAS	2	
0156.COMP	10	09:44	05:54:18.6	+22:54:14	300	90	3.0	#157 IPHAS	2	
0157.IPHAS_W1676	900	09:46	05:55:08.9	+24:17:30	300	90	3.0	#157 IPHAS	2	
0158.COMP	10	10:01	05:55:08.9	+24:17:30	300	90	3.0	#157 IPHAS	2	
0159.IPHAS_W1678	600	10:02	05:55:24.6	+22:54:37	300	90	3.0	#157 IPHAS	2	
0160.COMP	10	10:12	05:55:24.6	+22:54:37	300	90	3.0	#157 IPHAS	2	
0161.IPHAS_W1681	600	10:13	05:55:38.6	+18:51:57	300	90	3.0	#157 IPHAS	2	
0162.COMP	10	10:24	05:55:38.6	+18:51:57	300	90	3.0	#157 IPHAS	2	
0163.IPHAS_W1687	1200	10:25	05:56:38.8	+19:03:56	300	90	3.0	#157 IPHAS	2	
0164.COMP	10	10:46	05:56:38.8	+19:03:56	300	90	3.0	#157 IPHAS	2	
0165.HD88230.MOV.K5V	10	10:50	10:11:22.0	+49:27:15	300	90	3.0	#61 Spectral S	2	
0166.HD88230.MOV.K5V	120	10:53	10:11:22.0	+49:27:15	300	90	3.0	#61 Spectral S	2	
0167.COMP	10	10:55	10:11:22.0	+49:27:15	300	90	3.0	#61 Spectral S	2	

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0168.ADLeo.M4V	10	10:57	10:19:36.0	+19:52:12	300	90	3.0	#61 Spectral S	2	
0169.ADLeo.M4V	10	10:59	10:19:36.0	+19:52:12	300	90	3.0	#61 Spectral S	2	
0170.ADLeo.M4V	120	10:59	10:19:36.0	+19:52:12	300	90	3.0	#61 Spectral S	2	
0171.COMP	10	11:02	10:19:36.0	+19:52:12	300	90	3.0	#61 Spectral S	2	
0172.HD95735.M2V	10	11:03	11:03:20.0	+35:58:11	300	90	3.0	#61 Spectral S	2	
0173.HD95735.M2V	120	11:04	11:03:20.0	+35:58:11	300	90	3.0	#61 Spectral S	2	
0174.COMP	10	11:07	11:03:20.0	+35:58:11	300	90	3.0	#61 Spectral S	2	
0175.HD98118.M0III	1	11:11	11:17:16.0	+02:00:44	300	90	3.0	#61 Spectral S	2	
0176.HD98118.M0III	10	11:12	11:17:16.0	+02:00:44	300	90	3.0	#61 Spectral S	2	
0177.COMP	10	11:12	11:17:16.0	+02:00:44	300	90	3.0	#61 Spectral S	2	
0178.SS129	300	11:14	07:32:45.0	-26:49:16	300	90	3.0	#12 Symbiotic	2	
0179.SS129	300	11:20	07:32:45.0	-26:49:16	300	90	3.0	#12 Symbiotic	2	
0180.COMP	10	11:25	07:32:45.0	-26:49:16	300	90	3.0	#12 Symbiotic	2	
0181.TXCVn	10	11:27	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0182.TXCVn	30	11:27	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0183.COMP	10	11:28	12:44:42.0	+36:45:48	300	90	3.0	#12 Symbiotic	2	
0184.IPHAS_W2037	1500	11:32	06:41:40.1	+03:50:52	300	90	3.0	#157 IPHAS	2	
0185.COMP	10	11:57	06:41:40.1	+03:50:52	300	90	3.0	#157 IPHAS	2	
0186.IPHAS_W2043	900	11:59	06:42:15.9	+06:09:36	300	90	3.0	#157 IPHAS	2	
0187.COMP	10	12:15	06:42:15.9	+06:09:36	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
0188.N3227	180	12:16	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0189.N3227	180	12:19	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0190.COMP	10	12:22	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0191.MRK421	240	12:24	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0192.MRK421	240	12:29	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0193.COMP	10	12:33	11:04:27.4	+38:12:32	300	90	3.0	#6 AGN Monitor	2	
0194.N4051	150	12:34	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0195.N4051	150	12:37	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0196.COMP	10	12:40	12:03:09.7	+44:31:53	300	90	3.0	#6 AGN Monitor	2	
0197.N4151	60	12:41	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0198.N4151	60	12:42	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0199.COMP	10	12:43	12:10:32.6	+39:24:21	300	90	3.0	#6 AGN Monitor	2	
0200.WCom	600	12:45	12:21:31.7	+28:13:59	300	90	3.0	#6 AGN Monitor	2	
0201.COMP	10	12:56	12:21:31.7	+28:13:59	300	90	3.0	#6 AGN Monitor	2	
0202.N5548	180	12:57	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0203.N5548	180	13:00	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0204.COMP	10	13:04	14:17:59.6	+25:08:12	300	90	3.0	#6 AGN Monitor	2	
0205-0214.BIAS	0	13:16	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	4	
0215-0224.FLAT	4	13:18	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	4	
0225-0234.BIAS	0	13:20	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	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>
0235-0249.FLAT	7	13:25	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	2	
0250-0254.DARK	900	14:31	14:17:59.6	+25:08:12	300	90	3.0	#182 Runaway B	2	