

UT Date 2009-12-15 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	23:03	22:30:00.0	+32:00:00	300	90	3.0	#182 Runaway B	4	
0011-0020.FLAT	4	23:05	22:30:00.0	+32:00:00	300	90	3.0	#182 Runaway B	4	
0021-0030.BIAS	0	23:07	22:30:00.0	+32:00:00	300	90	3.0	#182 Runaway B	2	
0031-0045.FLAT	7	23:11	22:30:00.0	+32:00:00	300	90	3.0	#182 Runaway B	2	
0046-0050.DARK	900	00:16	22:30:00.0	+32:00:00	300	90	3.0	#182 Runaway B	2	
0051.BDp174708	75	01:27	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0052.BDp174708	75	01:28	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0053.COMP	10	01:32	22:11:31.4	+18:05:34	300	90	3.0	#56 Spectropho	2	
0054.BDp284211	90	01:33	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0055.BDp284211	90	01:35	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0056.COMP	10	01:37	21:51:11.0	+28:51:50	300	90	3.0	#56 Spectropho	2	
0057.CYG13	900	01:41	20:32:56.5	+41:12:08	300	90	3.0	#157 IPHAS	2	
0058.COMP	10	01:56	20:32:56.5	+41:12:08	300	90	3.0	#157 IPHAS	2	
0059.CYG14	600	01:58	20:33:09.2	+41:13:43	300	90	3.0	#157 IPHAS	2	
0060.COMP	10	02:08	20:33:09.2	+41:13:43	300	90	3.0	#157 IPHAS	2	
0061.CYG15	300	02:10	20:31:27.8	+41:29:17	300	90	3.0	#157 IPHAS	2	
0062.COMP	10	02:15	20:31:27.8	+41:29:17	300	90	3.0	#157 IPHAS	2	
0063.CYG16	600	02:16	20:32:22.1	+41:25:00	300	90	3.0	#157 IPHAS	2	
0064.COMP	10	02:27	20:32:22.1	+41:25:00	300	90	3.0	#157 IPHAS	2	
0065.CYG17	300	02:29	20:32:35.8	+41:35:38	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
0066.COMP	10	02:35	20:32:35.8	+41:35:38	300	90	3.0	#157 IPHAS	2	
0067.CYG18	450	02:37	20:33:18.3	+41:17:39	300	90	3.0	#157 IPHAS	2	
0068.COMP	10	02:44	20:33:18.3	+41:17:39	300	90	3.0	#157 IPHAS	2	
0069.CYG19	450	02:46	20:33:33.6	+41:21:52	300	90	3.0	#157 IPHAS	2	
0070.COMP	10	02:54	20:33:33.6	+41:21:52	300	90	3.0	#157 IPHAS	2	
0071.CYG20	450	02:55	20:33:55.9	+41:15:09	300	90	3.0	#157 IPHAS	2	
0072.COMP	10	03:03	20:33:55.9	+41:15:09	300	90	3.0	#157 IPHAS	2	
0073.HD239960.M4V	10	03:07	22:28:00.0	+57:41:45	300	90	3.0	#61 Spectral S	2	
0074.HD239960.M4V	120	03:07	22:28:00.0	+57:41:45	300	90	3.0	#61 Spectral S	2	
0075.COMP	10	03:10	22:28:00.0	+57:41:45	300	90	3.0	#61 Spectral S	2	
0076.sn2009jf	1800	03:14	23:04:53.0	+12:20:00	300	-30	3.0	#2 SN Observat	2	
0077.COMP	10	03:44	23:04:53.0	+12:20:00	300	-30	3.0	#2 SN Observat	2	
0078.ZAnd	1	03:47	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0079.ZAnd	5	03:48	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0080.ZAnd	30	03:48	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0081.ZAnd	1	03:49	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0082.COMP	10	03:49	23:33:40.0	+48:49:06	300	90	3.0	#12 Symbiotic	2	
0083.RAqr	1	03:51	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0084.RAqr	5	03:52	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0085.RAqr	10	03:52	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	

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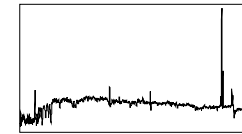
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0086.COMP	10	03:52	23:43:49.0	-15:17:05	300	90	3.0	#12 Symbiotic	2	
0087.HHAnd.M5V	10	03:54	23:41:55.0	+44:10:39	300	90	3.0	#61 Spectral S	2	
0088.HHAnd.M5V	120	03:55	23:41:55.0	+44:10:39	300	90	3.0	#61 Spectral S	2	
0089.COMP	10	03:57	23:41:55.0	+44:10:39	300	90	3.0	#61 Spectral S	2	
0090.HD1013.M2III	1	03:58	00:14:35.0	+20:12:23	300	90	3.0	#61 Spectral S	2	
0091.HD1013.M2III	5	03:59	00:14:35.0	+20:12:23	300	90	3.0	#61 Spectral S	2	
0092.COMP	10	03:59	00:14:35.0	+20:12:23	300	90	3.0	#61 Spectral S	2	
0093.HD1326.M2V	10	04:02	00:18:09.0	+44:01:01	300	90	3.0	#61 Spectral S	2	
0094.HD1326.M2V	1	04:02	00:18:09.0	+44:01:01	300	90	3.0	#61 Spectral S	2	
0095.COMP	10	04:03	00:18:09.0	+44:01:01	300	90	3.0	#61 Spectral S	2	
0096.HD4408.M4III	1	04:04	00:46:32.0	+15:28:33	300	90	3.0	#61 Spectral S	2	
0097.COMP	10	04:04	00:46:32.0	+15:28:33	300	90	3.0	#61 Spectral S	2	
0098.HD4408.M4III	5	04:05	00:46:32.0	+15:28:33	300	90	3.0	#61 Spectral S	2	
0099.TZAri.M5V	10	04:07	02:00:13.0	+13:03:11	300	90	3.0	#61 Spectral S	2	
0100.TZAri.M5V	120	04:07	02:00:13.0	+13:03:11	300	90	3.0	#61 Spectral S	2	
0101.COMP	10	04:09	02:00:13.0	+13:03:11	300	90	3.0	#61 Spectral S	2	
0102.EGAnd	1	04:11	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0103.EGAnd	5	04:11	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0104.EGAnd	10	04:12	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	
0105.COMP	10	04:12	00:44:37.0	+40:40:47	300	90	3.0	#12 Symbiotic	2	

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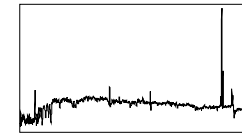
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0106.AXPer	4	04:14	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0107.AXPer	30	04:14	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0108.AXPer	90	04:15	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0109.COMP	10	04:16	01:36:23.0	+54:15:03	300	90	3.0	#12 Symbiotic	2	
0110.HD13136.M2Iab	1	04:19	02:10:15.0	+56:33:33	300	90	3.0	#61 Spectral S	2	
0111.HD13136.M2Iab	30	04:19	02:10:15.0	+56:33:33	300	90	3.0	#61 Spectral S	2	
0112.COMP	10	04:20	02:10:15.0	+56:33:33	300	90	3.0	#61 Spectral S	2	
0113.HD14386.M7III	10	04:22	02:19:21.0	-02:58:39	300	90	3.0	#61 Spectral S	2	
0114.HD14386.M7III	10	04:23	02:19:21.0	-02:58:39	300	90	3.0	#61 Spectral S	2	
0115.COMP	10	04:23	02:19:21.0	-02:58:39	300	90	3.0	#61 Spectral S	2	
0116.HD14386.M7III	10	04:24	02:19:21.0	-02:58:39	300	90	3.0	#61 Spectral S	2	
0117.HD14404.M1Iab	1	04:26	02:21:42.0	+57:51:46	300	90	3.0	#61 Spectral S	2	
0118.HD14404.M1Iab	5	04:26	02:21:42.0	+57:51:46	300	90	3.0	#61 Spectral S	2	
0119.COMP	10	04:27	02:21:42.0	+57:51:46	300	90	3.0	#61 Spectral S	2	
0120.HD14469.M3Iab	1	04:29	02:22:07.0	+56:36:15	300	90	3.0	#61 Spectral S	2	
0121.HD14469.M3Iab	10	04:30	02:22:07.0	+56:36:15	300	90	3.0	#61 Spectral S	2	
0122.COMP	10	04:30	02:22:07.0	+56:36:15	300	90	3.0	#61 Spectral S	2	
0123.HD14528.M3Iab	10	04:31	02:22:51.0	+58:35:12	300	90	3.0	#61 Spectral S	2	
0124.HD14528.M3Iab	60	04:32	02:22:51.0	+58:35:12	300	90	3.0	#61 Spectral S	2	
0125.COMP	10	04:33	02:22:51.0	+58:35:12	300	90	3.0	#61 Spectral S	2	

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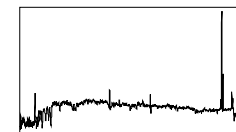
File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0126.HD16210.M4III	10	04:34	02:37:00.0	+34:16:00	300	90	3.0	#61 Spectral S	2	
0127.HD16210.M4III	120	04:35	02:37:00.0	+34:16:00	300	90	3.0	#61 Spectral S	2	
0128.COMP	10	04:37	02:37:00.0	+34:16:00	300	90	3.0	#61 Spectral S	2	
0129.HD232979.MOV.K7V	10	04:38	04:37:39.0	+52:54:01	300	90	3.0	#61 Spectral S	2	
0130.HD232979.MOV.K7V	120	04:39	04:37:39.0	+52:54:01	300	90	3.0	#61 Spectral S	2	
0131.COMP	10	04:41	04:37:39.0	+52:54:01	300	90	3.0	#61 Spectral S	2	
0132.MRK335	180	04:44	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0133.MRK335	180	04:47	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0134.COMP	10	04:50	00:06:19.6	+20:12:11	300	90	3.0	#6 AGN Monitor	2	
0135.3C66A	360	04:54	02:22:39.6	+43:02:08	300	90	3.0	#6 AGN Monitor	2	
0136.3C66A	360	05:00	02:22:39.6	+43:02:08	300	90	3.0	#6 AGN Monitor	2	
0137.COMP	10	05:07	02:22:39.6	+43:02:08	300	90	3.0	#6 AGN Monitor	2	
0138.Akn120	120	05:09	05:16:11.5	-00:09:01	300	90	3.0	#6 AGN Monitor	2	
0139.COMP	10	05:12	05:16:11.5	-00:09:01	300	90	3.0	#6 AGN Monitor	2	
0140.sn2009kk	1800	05:16	03:49:44.3	-03:15:52	300	53	3.0	#2 SN Observat	2	
0141.COMP	10	05:46	03:49:44.3	-03:15:52	300	53	3.0	#2 SN Observat	2	
0142.IPHAS_W0881	900	05:51	03:15:28.6	+62:27:15	300	90	3.0	#157 IPHAS	2	
0143.COMP	10	06:06	03:15:28.6	+62:27:15	300	90	3.0	#157 IPHAS	2	
0144.IPHAS_W0894	1200	06:07	03:19:03.4	+63:07:20	300	90	3.0	#157 IPHAS	2	
0145.COMP	10	06:27	03:19:03.4	+63:07:20	300	90	3.0	#157 IPHAS	2	

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0146.IPHAS_W0899	720	06:29	03:20:01.5	+60:14:01	300	90	3.0	#157 IPHAS	2	
0147.COMP	10	06:41	03:20:01.5	+60:14:01	300	90	3.0	#157 IPHAS	2	
0148.IPHAS_W0903	1500	06:42	03:20:36.4	+60:18:18	300	90	3.0	#157 IPHAS	2	
0149.COMP	10	07:08	03:20:36.4	+60:18:18	300	90	3.0	#157 IPHAS	2	
0150.IPHAS_W0914	300	07:09	03:22:02.7	+59:34:31	300	90	3.0	#157 IPHAS	2	
0151.COMP	10	07:14	03:22:02.7	+59:34:31	300	90	3.0	#157 IPHAS	2	
0152.IPHAS_W0917	600	07:15	03:23:32.7	+56:14:53	300	90	3.0	#157 IPHAS	2	
0153.COMP	10	07:25	03:23:32.7	+56:14:53	300	90	3.0	#157 IPHAS	2	
0154.IPHAS_W0918	1200	07:27	03:23:42.4	+61:39:59	300	90	3.0	#157 IPHAS	2	
0155.COMP	10	07:47	03:23:42.4	+61:39:59	300	90	3.0	#157 IPHAS	2	
0156.IPHAS_W0921	1200	07:48	03:24:20.3	+61:13:01	300	90	3.0	#157 IPHAS	2	
0157.COMP	10	08:08	03:24:20.3	+61:13:01	300	90	3.0	#157 IPHAS	2	
0158.IPHAS_W0921	1080	08:10	03:24:20.3	+61:13:01	300	90	3.0	#157 IPHAS	2	
0159.COMP	10	08:28	03:24:20.3	+61:13:01	300	90	3.0	#157 IPHAS	2	
0160.IPHAS_W1017	720	08:30	03:54:47.4	+55:29:40	300	90	3.0	#157 IPHAS	2	
0161.COMP	10	08:43	03:54:47.4	+55:29:40	300	90	3.0	#157 IPHAS	2	
0162.IPHAS_W1018	720	08:44	03:55:29.6	+48:47:56	300	90	3.0	#157 IPHAS	2	
0163.COMP	10	08:56	03:55:29.6	+48:47:56	300	90	3.0	#157 IPHAS	2	
0164.IPHAS_W1020	600	08:58	03:55:41.8	+58:31:58	300	90	3.0	#157 IPHAS	2	
0165.COMP	10	09:08	03:55:41.8	+58:31:58	300	90	3.0	#157 IPHAS	2	

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0166.HD44537.M0Iab.K5Iab	10	09:22	06:24:54.0	+49:17:17	300	90	3.0	#61 Spectral S	2	
0167.HD44537.M0Iab.K5Iab	10	09:23	06:24:54.0	+49:17:17	300	90	3.0	#61 Spectral S	2	
0168.HD44537.M0Iab.K5Iab	1	09:23	06:24:54.0	+49:17:17	300	90	3.0	#61 Spectral S	2	
0169.HD44537.M0Iab.K5Iab	5	09:23	06:24:54.0	+49:17:17	300	90	3.0	#61 Spectral S	2	
0170.COMP	10	09:24	06:24:54.0	+49:17:17	300	90	3.0	#61 Spectral S	2	
0171.HD50281B.M2V	10	09:32	06:52:18.0	-05:11:24	300	90	3.0	#61 Spectral S	2	
0172.HD50281B.M2V	120	09:33	06:52:18.0	-05:11:24	300	90	3.0	#61 Spectral S	2	
0173.COMP	10	09:35	06:52:18.0	-05:11:24	300	90	3.0	#61 Spectral S	2	
0174.HD54895.M3III	10	09:37	07:13:22.0	+51:25:42	300	90	3.0	#61 Spectral S	2	
0175.HD54895.M3III	1	09:37	07:13:22.0	+51:25:42	300	90	3.0	#61 Spectral S	2	
0176.HD54895.M3III	1	09:37	07:13:22.0	+51:25:42	300	90	3.0	#61 Spectral S	2	
0177.COMP	10	09:38	07:13:22.0	+51:25:42	300	90	3.0	#61 Spectral S	2	
0178.GJ273.M4V	10	09:40	07:27:24.0	+05:13:33	300	90	3.0	#61 Spectral S	2	
0179.GJ273.M4V	120	09:40	07:27:24.0	+05:13:33	300	90	3.0	#61 Spectral S	2	
0180.COMP	10	09:42	07:27:24.0	+05:13:33	300	90	3.0	#61 Spectral S	2	
0181.HD69243.M7III	10	09:44	08:16:34.0	+11:44:00	300	90	3.0	#61 Spectral S	2	
0182.HD69243.M7III	1	09:44	08:16:34.0	+11:44:00	300	90	3.0	#61 Spectral S	2	
0183.COMP	10	09:44	08:16:34.0	+11:44:00	300	90	3.0	#61 Spectral S	2	
0184.HIP41431.M1V.MOV	10	09:46	08:27:01.0	+21:57:25	300	90	3.0	#61 Spectral S	2	
0185.HIP41431.M1V.MOV	120	09:46	08:27:01.0	+21:57:25	300	90	3.0	#61 Spectral S	2	

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0186.COMP	10	09:48	08:27:01.0	+21:57:25	300	90	3.0	#61 Spectral S	2	
0187.DXCnc.M6V	120	09:50	08:29:49.0	+26:46:34	300	90	3.0	#61 Spectral S	2	
0188.DXCnc.M6V	600	09:53	08:29:49.0	+26:46:34	300	90	3.0	#61 Spectral S	2	
0189.COMP	10	10:04	08:29:49.0	+26:46:34	300	90	3.0	#61 Spectral S	2	
0190.N2211021132	240	10:07	07:57:31.0	+20:17:33	300	90	3.0	#192 DASCH Lon	2	
0191.COMP	10	10:12	07:57:31.0	+20:17:33	300	90	3.0	#192 DASCH Lon	2	
0192.IPHAS.W1915	1500	10:15	06:28:42.4	+09:32:09	300	90	3.0	#157 IPHAS	2	
0193.COMP	10	10:40	06:28:42.4	+09:32:09	300	90	3.0	#157 IPHAS	2	
0194.IPHAS.W1917	900	10:42	06:28:52.3	+12:00:29	300	90	3.0	#157 IPHAS	2	
0195.COMP	10	10:57	06:28:52.3	+12:00:29	300	90	3.0	#157 IPHAS	2	
0196.sn2009kq	1200	11:03	08:36:15.1	+28:04:02	300	44	3.0	#2 SN Observat	2	
0197.COMP	10	11:23	08:36:15.1	+28:04:02	300	44	3.0	#2 SN Observat	2	
0198.N233012397	240	11:27	09:53:10.0	+33:53:53	300	90	3.0	#192 DASCH Lon	2	
0199.COMP	10	11:31	09:53:10.0	+33:53:53	300	90	3.0	#192 DASCH Lon	2	
0200.RGB0710+591	360	11:37	07:10:30.1	+59:08:20	300	90	3.0	#6 AGN Monitor	2	
0201.COMP	10	11:43	07:10:30.1	+59:08:20	300	90	3.0	#6 AGN Monitor	2	
0202.MRK110	300	11:46	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0203.COMP	10	11:52	09:25:12.9	+52:17:10	300	90	3.0	#6 AGN Monitor	2	
0204.MS1050p4946	300	11:54	10:53:43.7	+49:29:56	300	90	3.0	#6 AGN Monitor	2	
0205.COMP	10	12:00	10:53:43.7	+49:29:56	300	90	3.0	#6 AGN Monitor	2	

UT Date 2009-12-15 Observers M CalkinsColl. Focus 1820 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>
0206.RXJ1058p5628	300	12:01	10:58:37.7	+56:28:11	300	90	3.0	#6 AGN Monitor	2	
0207.COMP	10	12:07	10:58:37.7	+56:28:11	300	90	3.0	#6 AGN Monitor	2	
0208.sn2009mh	1200	12:13	11:43:55.9	+10:46:55	300	20	3.0	#2 SN Observat	2	
0209.COMP	10	12:36	11:43:55.9	+10:46:55	300	20	3.0	#2 SN Observat	2	
0210-0219.BIAS	0	13:10	11:43:55.9	+10:46:55	300	20	3.0	#182 Runaway B	4	
0220-0229.FLAT	4	13:12	11:43:55.9	+10:46:55	300	20	3.0	#182 Runaway B	4	