



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9908

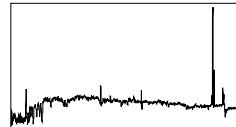
UT Date 2001-12-17 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	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	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9909

UT Date 2001-12-17 Observers M Calkins

Coll. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	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	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9910

UT Date 2001-12-17 Observers M Calkins

Coll. Focus 1000 Grating/Grism 300

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	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9911

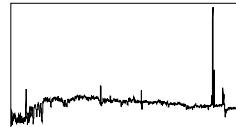
UT Date 2001-12-17 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	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	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9912

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	Bin	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	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9913

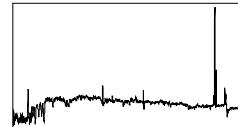
UT Date 2001-12-17 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	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	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9914

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
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	



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



Page 9915

UT Date 2001-12-17 Observers M CalkinsColl. 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>Bir</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	