



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 13137

UT Date 2005-03-02 Observers H Hao

Coll. Focus 1015 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001.DARK	900	22:51	02:21:11.0	+31:28:23	300	90	3.0	#57 Velocity S	4	
0002.DARK	900	23:06	02:36:21.2	+31:28:27	300	90	3.0	#57 Velocity S	4	
0003.DARK	900	23:21	02:51:31.8	+31:28:30	300	90	3.0	#57 Velocity S	4	
0004.DARK	900	23:36	03:06:38.7	+31:28:34	300	90	3.0	#57 Velocity S	4	
0005.DARK	900	23:51	03:21:49.1	+31:28:39	300	90	3.0	#57 Velocity S	4	
0006.DARK	900	0:06	03:36:56.2	+31:28:43	300	90	3.0	#57 Velocity S	4	
0007.DARK	900	0:21	03:52:06.6	+31:28:49	300	90	3.0	#57 Velocity S	4	
0008.DARK	900	0:36	04:07:13.8	+31:28:54	300	90	3.0	#57 Velocity S	4	
0009.DARK	900	0:52	04:22:24.1	+31:29:00	300	90	3.0	#57 Velocity S	4	
0010-0019.BIAS	0	1:15	04:31:17.5	+31:29:03	300	90	3.0	#57 Velocity S	4	
0020-0023.FLAT	6	1:21	04:37:22.6	+31:29:05	300	90	3.0	#57 Velocity S	4	
0024-0029.FLAT	6	1:23	04:38:40.2	+31:29:06	300	90	3.0	#57 Velocity S	4	
0030-0031.sky	2	1:36	04:52:12.1	+31:29:11	300	90	3.0	#57 Velocity S	4	
0032-0034.sky	2	1:37	04:52:38.0	+31:29:12	300	90	3.0	#57 Velocity S	4	
0035.COMP	5	1:38	04:53:38.8	+31:29:12	300	90	3.0	#57 Velocity S	4	
0036-0039.FLAT	24	2:02	05:17:56.9	+31:29:22	600	90	2.0	#122 Halo Star	4	
0040-0044.FLAT	24	2:04	05:20:32.6	+31:29:23	600	90	2.0	#122 Halo Star	4	
0045.FLAT	24	2:05	05:21:03.0	+31:29:24	600	90	2.0	#122 Halo Star	4	
0046.hs3530	324	2:23	2:31:16.4	14:27:39	600	90	2.0	#122 Halo Star	4	Warren
0047.COMP	10	2:29	2:31:16.4	14:27:39	600	90	2.0	#122 Halo Star	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 13138

UT Date 2005-03-02 Observers H Hao

Coll. Focus 1015 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0048.hs3530	700	2:30	2:31:16.4	14:27:39	600	90	2.0	#122 Halo Star	4	Double the exposure time
0049.COMP	10	2:42	2:31:16.4	14:27:39	600	90	2.0	#122 Halo Star	4	
0050.hs3531	192	2:44	2:31:29.2	12:34:41	600	90	2.0	#122 Halo Star	4	
0051.COMP	10	2:48	2:31:29.2	12:34:41	600	90	2.0	#122 Halo Star	4	
0052.hs3532	216	2:50	2:33:58.6	5:45:00	600	90	2.0	#122 Halo Star	4	
0053.COMP	10	2:54	2:33:58.6	5:45:00	600	90	2.0	#122 Halo Star	4	
0054.hs3533	504	2:59	2:33:59.2	9:40:16	600	70	2.0	#122 Halo Star	4	Warren
0055.COMP	10	3:07	2:33:59.2	9:40:16	600	70	2.0	#122 Halo Star	4	
0056.hs3534	240	3:16	2:34:44.9	12:40:12	600	90	2.0	#122 Halo Star	4	
0057.COMP	10	3:20	2:34:44.9	12:40:12	600	90	2.0	#122 Halo Star	4	
0058.hs3535	246	3:22	2:35:51.5	11:31:04	600	90	2.0	#122 Halo Star	4	
0059.COMP	10	3:28	2:35:51.5	11:31:04	600	90	2.0	#122 Halo Star	4	
0060.G191B2B	10	3:30	05:01:31.5	52:45:52	600	90	2.0	#56 Spectropho	4	wrong data
0061.COMP	10	3:31	05:01:31.5	52:45:52	600	90	2.0	#56 Spectropho	4	
0062.Hiltner600	60	3:59	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0063.COMP	12	4:01	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	4	
0064.sn2004gq	1500	4:33	05:12:04.8	-15:40:54	300	35	3.0	#2 SN Observat	2	airmass 2, observe late
0065.COMP	12	4:58	05:12:04.8	-15:40:54	300	35	3.0	#2 SN Observat	2	
0066.Hiltner600	60	5:12	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0067.COMP	12	5:14	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 13139

UT Date 2005-03-02 Observers H Hao

Coll. Focus 1015 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0068-0077.BIAS	0	5:17	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0078-0097.FLAT	12	5:26	06:42:37.2	02:11:25	300	90	3.0	#56 Spectropho	2	
0098.XS02545B6_021	420	5:36	7:37:15.6	-9:44:25	300	90	3.0	#152 ChaMPlane	2	
0099.COMP	12	5:43	7:37:15.6	-9:44:25	300	90	3.0	#152 ChaMPlane	2	
0100.XS02545B8_003	480	5:46	7:37:0.7	-9:32:47	300	90	3.0	#152 ChaMPlane	2	weak exposure
0101.COMP	12	5:55	7:37:0.7	-9:32:47	300	90	3.0	#152 ChaMPlane	2	
0102.XS02545B8_003	720	5:56	7:37:0.7	-9:32:47	300	90	3.0	#152 ChaMPlane	2	
0103.COMP	12	6:09	7:37:0.7	-9:32:47	300	90	3.0	#152 ChaMPlane	2	
0104.XS02553B1_007	480	6:13	6:48:49.7	-4:28:30	300	90	3.0	#152 ChaMPlane	2	
0105.COMP	12	6:21	6:48:49.7	-4:28:30	300	90	3.0	#152 ChaMPlane	2	
0106.XS02553B2_010	300	6:23	6:49:27.6	-4:39:50	300	90	3.0	#152 ChaMPlane	2	
0107.COMP	12	6:28	6:49:27.6	-4:39:50	300	90	3.0	#152 ChaMPlane	2	
0108.XS02553B3_020	300	6:30	6:49:13.9	-4:26:2	300	90	3.0	#152 ChaMPlane	2	
0109.COMP	12	6:36	6:49:13.9	-4:26:2	300	90	3.0	#152 ChaMPlane	2	
0110.XS02553B2_008	180	6:39	6:49:27.8	-4:32:17	300	100	3.0	#152 ChaMPlane	2	
0111.XS02553B2_008	180	6:43	6:49:27.8	-4:32:17	300	100	3.0	#152 ChaMPlane	2	
0112.XS02553B2_008	180	6:46	6:49:27.8	-4:32:17	300	100	3.0	#152 ChaMPlane	2	
0113.COMP	12	6:49	6:49:27.8	-4:32:17	300	100	3.0	#152 ChaMPlane	2	
0114.Feige34	120	6:53	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	
0115.COMP	12	6:56	10:36:41.2	43:21:50	300	90	3.0	#56 Spectropho	2	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 13140

UT Date 2005-03-02 Observers H Hao

Coll. Focus 1015 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0116.N3227	150	7:20	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0117.N3227	150	7:23	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0118.COMP	12	7:26	10:23:30.6	+19:51:54	300	90	3.0	#6 AGN Monitor	2	
0119.sn2005u	1200	7:32	11:28:33.1	+58:33:41	300	19	3.0	#2 SN Observat	2	
0120.COMP	12	7:53	11:28:33.1	+58:33:41	300	19	3.0	#2 SN Observat	2	
0121.N4051	150	8:07	12:03:09.7	+44:31:53	300	89	3.0	#6 AGN Monitor	2	
0122.N4051	150	8:10	12:03:09.7	+44:31:53	300	89	3.0	#6 AGN Monitor	2	
0123.N4051	150	8:13	12:03:09.7	+44:31:53	300	89	3.0	#6 AGN Monitor	2	
0124.COMP	12	8:16	12:03:09.7	+44:31:53	300	89	3.0	#6 AGN Monitor	2	
0125.N3379	180	8:18	10:45:11.4	+12:50:48	300	89	3.0	#57 Velocity S	2	
0126.COMP	12	8:22	10:45:11.4	+12:50:48	300	89	3.0	#57 Velocity S	2	
0127.N5548	150	11:55	14:17:59.6	+25:08:12	300	89	3.0	#6 AGN Monitor	2	
0128.N5548	150	11:57	14:17:59.6	+25:08:12	300	89	3.0	#6 AGN Monitor	2	
0129.N5548	150	12:00	14:17:59.6	+25:08:12	300	89	3.0	#6 AGN Monitor	2	
0130.COMP	12	12:04	14:17:59.6	+25:08:12	300	89	3.0	#6 AGN Monitor	2	
0131.BDp332642	90	12:07	15:50:03.0	33:05:49	300	89	3.0	#56 Spectropho	2	
0132.COMP	12	12:10	15:50:03.0	33:05:49	300	89	3.0	#56 Spectropho	2	
0133.2052-04	1200	12:16	15:18:30.6	+06:19:59	300	89	3.0	#64 Cluster an	2	
0134.COMP	12	12:36	15:18:30.6	+06:19:59	300	89	3.0	#64 Cluster an	2	
0135-0144.BIAS	0	13:11	15:15:24.8	+06:26:54	300	89	3.0	#56 Spectropho	4	



## WHIPPLE OBSERVATORY

## FAST SPECTROGRAPH LOG



Page 13141

UT Date 2005-03-02 Observers H HaoColl. Focus 1015 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>
0145-0154.FLAT	6	13:17	15:15:24.8	+06:26:54	300	89	3.0	#56 Spectropho	4	
0155-0164.BIAS	0	13:21	15:15:24.8	+06:26:54	300	89	3.0	#56 Spectropho	2	
0165-0184.FLAT	12	13:29	15:15:24.8	+06:26:54	300	89	3.0	#56 Spectropho	2	
0185-0194.DARK	900	15:49	15:15:24.8	+06:26:54	300	89	3.0	#56 Spectropho	2	