

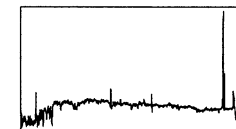
UT Date 2004-01-19 Observers WestoverColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0001.DARK	900	18:52	12:58:35.1	+27:35:47	300	90	3.0	#64f Cluster I	2	
0002-0021.BIAS	0	0:01	12:58:35.1	+27:35:47	300	90	3.0	#64f Cluster I	2	
0022-0041.BIAS	0	0:04	12:58:35.1	+27:35:47	300	90	3.0	#64f Cluster I	4	
0042.COMP	10	0:17	12:58:35.1	+27:35:47	300	90	3.0	#64f Cluster I	4	600L, tilt=440, 2 arcsec
0043-0052.FLAT	40	0:45	12:58:35.1	+27:35:47	600	90	2.0	#64f Cluster I	4	
0053.sky	2	1:09	01:35:00	+34:00:00	600	90	2.0	#57 Velocity S	4	
0054-0055.sky	15	1:10	01:35:00	+34:00:00	600	90	2.0	#57 Velocity S	4	
0056.sky	30	1:10	01:35:00	+34:00:00	600	90	2.0	#57 Velocity S	4	
0057-0058.sky	45	1:12	01:35:00	+34:00:00	600	90	2.0	#57 Velocity S	4	
0059.COMP	10	1:13	01:35:00	+34:00:00	600	90	2.0	#57 Velocity S	4	
0060.HD12623	30	1:24	02:02:19	+62:56:04	600	5	2.0	#57 Velocity S	4	
0061.HD12623	90	1:25	02:02:19	+62:56:04	600	5	2.0	#57 Velocity S	4	
0062.HD12623	90	1:26	02:02:19	+62:56:04	600	5	2.0	#57 Velocity S	4	
0063.COMP	10	1:29	02:02:19	+62:56:04	600	5	2.0	#57 Velocity S	4	
0064.hs1661	480	1:49	2:23:04.3	0:52:18	600	0	2.0	#122 Halo Star	4	
0065.COMP	10	1:57	2:23:04.3	0:52:18	600	0	2.0	#122 Halo Star	4	
0066.hs1662	600	1:59	2:26:10.2	0:03:19	600	0	2.0	#122 Halo Star	4	
0067.COMP	10	2:10	2:26:10.2	0:03:19	600	0	2.0	#122 Halo Star	4	
0068.hs1664	540	2:12	2:34:02.0	-0:47:47	600	0	2.0	#122 Halo Star	4	
0069.COMP	10	2:22	2:34:02.0	-0:47:47	600	0	2.0	#122 Halo Star	4	

300l/mm Comps do not go far enough into the red - pick up line at 7503 angstroms but not line at 7514Å.

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0070.hs1665	600	2:24	2:34:14.9	0:32:36	600	8	2.0	#122 Halo Star	4	
0071.COMP	10	2:35	2:34:14.9	0:32:36	600	8	2.0	#122 Halo Star	4	
0072.hs1666	540	2:37	2:43:55.1	0:04:35	600	10	2.0	#122 Halo Star	4	
0073.COMP	10	2:47	2:43:55.1	0:04:35	600	10	2.0	#122 Halo Star	4	
0074.hss221	1620	2:55	2:41:36.5	-0:21:11	600	20	2.0	#122 Halo Star	4	
0075.COMP	10	3:22	2:41:36.5	-0:21:11	600	20	2.0	#122 Halo Star	4	
0076.hs1684	960	3:27	3:29:24.3	1:12:50	600	12	2.0	#122 Halo Star	4	
0077.COMP	10	3:43	3:29:24.3	1:12:50	600	12	2.0	#122 Halo Star	4	
0078.hs1686	480	3:49	3:32:44.8	-0:56:25	600	17	2.0	#122 Halo Star	4	
0079.COMP	10	3:58	3:32:44.8	-0:56:25	600	17	2.0	#122 Halo Star	4	
0080.hss240	1800	4:02	3:36:30.8	-0:43:18	600	25	2.0	#122 Halo Star	4	
0081.COMP	10	4:32	3:36:30.8	-0:43:18	600	25	2.0	#122 Halo Star	4	
0082.hss242	1140	4:35	3:38:38.6	-0:48:51	600	35	2.0	#122 Halo Star	4	
0083.COMP	10	4:55	3:38:38.6	-0:48:51	600	35	2.0	#122 Halo Star	4	
0084.Hiltner600	70	5:04	06:42:37.2	02:11:25	600	-25	2.0	#56 Spectropho	4	
0085.Hiltner600	70	5:05	06:42:37.2	02:11:25	600	-25	2.0	#56 Spectropho	4	
0086.COMP	10	5:06	06:42:37.2	02:11:25	600	-25	2.0	#56 Spectropho	4	
0087.HD19445	30	5:20	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	300L, tilt=618, 3 arcsec
0088.HD19445	30	5:21	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	
0089.HD19445	10	5:22	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	

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0090.HD19445	10	5:23	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	
0091.COMP	10	5:23	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	
0092-0101.FLAT	16	5:31	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	2	
0102-0111.FLAT	8	5:34	03:08:25.6	26:19:51	300	72	3.0	#56 Spectropho	4	
0112.vso-67044	600	5:41	05:25:16.7	+01:16:15	300	20	3.0	#112 Orion PMS	4	
0113.COMP	5	5:51	05:25:16.7	+01:16:15	300	20	3.0	#112 Orion PMS	4	
0114.sn2003kf	1200	5:58	06:04:35.4	-12:37:42	300	10	3.0	#2 SN Observat	2	row=79
0115.COMP	10	6:18	06:04:35.4	-12:37:42	300	10	3.0	#2 SN Observat	2	
0116.Hiltner600	60	6:25	06:42:37.2	02:11:25	300	4	3.0	#56 Spectropho	2	
0117.Hiltner600	60	6:27	06:42:37.2	02:11:25	300	4	3.0	#56 Spectropho	2	
0118.COMP	10	6:28	06:42:37.2	02:11:25	300	4	3.0	#56 Spectropho	2	
0119.vso-67574	600	6:36	05:25:36.4	+01:21:24	300	37	3.0	#112 Orion PMS	4	
0120.COMP	5	6:46	05:25:36.4	+01:21:24	300	37	3.0	#112 Orion PMS	4	
0121.vso-68085	600	6:49	05:25:54.8	+01:00:01	300	37	3.0	#112 Orion PMS	4	
0122.COMP	5	7:00	05:25:54.8	+01:00:01	300	37	3.0	#112 Orion PMS	4	
0123.075406p07370.b	2100	7:04	7:56:45.2	7:28:45	300	90	3.0	#113 Interacti	2	row=79, faint
0124.COMP	10	7:39	7:56:45.2	7:28:45	300	90	3.0	#113 Interacti	2	
0125.081424p35360.b	1500	7:43	8:17:51.8	35:26:24	300	92	3.0	#113 Interacti	2	* - plate defect?
0126.COMP	10	8:09	8:17:51.8	35:26:24	300	92	3.0	#113 Interacti	2	
0127.2M073106.6m055948	1920	8:12	07:31:06.6	-05:59:48	300	90	3.0	#68 2MASS Reds	2	row=83, faint *

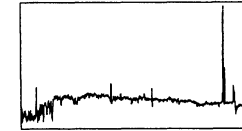
both objects on
slit are stars

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bin	Comments
0128.COMP	10	8:45	07:31:06.6	-05:59:48	300	90	3.0	#68 2MASS Reds	2	
0129.sn2003kc	1200	8:55	09:46:34.3	+30:39:19	300	105	3.0	#2 SN Observat	2	faint, didn
0130.COMP	10	9:15	09:46:34.3	+30:39:19	300	105	3.0	#2 SN Observat	2	
0131.MRK421	300	9:19	11:04:27.4	+38:12:32	300	71	3.0	#133 MRK421 an	4	
0132.MRK421	300	9:24	11:04:27.4	+38:12:32	300	71	3.0	#133 MRK421 an	4	
0133.COMP	5	9:30	11:04:27.4	+38:12:32	300	71	3.0	#133 MRK421 an	4	
0134.HD84937	30	9:34	09:48:56.1	13:44:39	300	10	3.0	#56 Spectropho	2	
0135.HD84937	30	9:35	09:48:56.1	13:44:39	300	10	3.0	#56 Spectropho	2	
0136.HD84937	10	9:36	09:48:56.1	13:44:39	300	10	3.0	#56 Spectropho	2	
0137.HD84937	10	9:36	09:48:56.1	13:44:39	300	10	3.0	#56 Spectropho	2	
0138.COMP	10	9:37	09:48:56.1	13:44:39	300	10	3.0	#56 Spectropho	2	
0139.Feige34	120	9:41	10:36:41.2	43:21:50	300	30	3.0	#56 Spectropho	2	
0140.Feige34	120	9:44	10:36:41.2	43:21:50	300	30	3.0	#56 Spectropho	2	
0141.COMP	10	9:46	10:36:41.2	43:21:50	300	30	3.0	#56 Spectropho	2	
0142.N3227	150	9:51	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0143.N3227	150	9:53	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0144.COMP	5	9:56	10:23:30.6	+19:51:54	300	0	3.0	#6 AGN Monitor	4	
0145.N3377	180	10:01	10:45:02.6	+14:14:51	300	-9	3.0	#57 Velocity S	2	
0146.N3377	180	10:04	10:45:02.6	+14:14:51	300	-9	3.0	#57 Velocity S	2	
0147.COMP	10	10:08	10:45:02.6	+14:14:51	300	-9	3.0	#57 Velocity S	2	

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0148.N4051	150	10:12	12:03:09.7	+44:31:53	300	55	3.0	#6 AGN Monitor	4	
0149.N4051	150	10:15	12:03:09.7	+44:31:53	300	55	3.0	#6 AGN Monitor	4	
0150.N4051	150	10:18	12:03:09.7	+44:31:53	300	55	3.0	#6 AGN Monitor	4	
0151.COMP	5	10:20	12:03:09.7	+44:31:53	300	55	3.0	#6 AGN Monitor	4	
0152.sn2004C	1200	10:27	11:27:29.7	+56:52:48	300	-12	3.0	#2 SN Observat	2	
0153.COMP	10	10:48	11:27:29.7	+56:52:48	300	-12	3.0	#2 SN Observat	2	
0154.cairnsk3_025	1200	10:59	13:14:18.2	28:42:1	300	80	3.0	#64f Cluster I	2	row=78
0155.COMP	10	11:20	13:14:18.2	28:42:1	300	80	3.0	#64f Cluster I	2	
0156.cairnsk3_027	1200	11:24	12:56:10.9	28:9:47	300	95	3.0	#64f Cluster I	2	some clouds
0157.COMP	10	11:44	12:56:10.9	28:9:47	300	95	3.0	#64f Cluster I	2	
0158.cairnsk3_028	1200	11:47	13:16:30.7	25:44:52	300	90	3.0	#64f Cluster I	2	
0159.COMP	10	12:08	13:16:30.7	25:44:52	300	90	3.0	#64f Cluster I	2	
0160.cairnsk3_029	1200	12:11	12:35:52.7	31:26:3	300	80	3.0	#64f Cluster I	2	
0161.COMP	10	12:32	12:35:52.7	31:26:3	300	80	3.0	#64f Cluster I	2	
0162.cairnsk3_030	1200	12:34	12:48:23.8	22:13:40	300	90	3.0	#64f Cluster I	2	
0163.COMP	10	12:54	12:48:23.8	22:13:40	300	90	3.0	#64f Cluster I	2	
0164.cairnsk3_031	900	12:57	13:4:48	22:53:32	300	90	3.0	#64f Cluster I	2	
0165.COMP	10	13:12	13:4:48	22:53:32	300	90	3.0	#64f Cluster I	2	
0166.N5548	150	13:15	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	4	not at PA, but small secz
0167.N5548	150	13:18	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	4	

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0168.N5548	150	13:20	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	4	
0169.COMP	5	13:23	14:17:59.6	+25:08:12	300	110	3.0	#6 AGN Monitor	4	
0170-0179.BIAS	0	13:29	14:17:59.6	+25:08:12	300	110	3.0	#56 Spectropho	4	
0180-0189.FLAT	8	13:32	14:17:59.6	+25:08:12	300	110	3.0	#56 Spectropho	4	
0190-0199.BIAS	0	13:34	14:17:59.6	+25:08:12	300	110	3.0	#56 Spectropho	2	
0200-0209.FLAT	16	13:40	14:17:59.6	+25:08:12	300	110	3.0	#56 Spectropho	2	
0210-0219.DARK	1800	18:17	14:17:59.6	+25:08:12	300	90	3.0	#56 Spectropho	2	