

UT Date 2004-09-07 Observers P BerlindColl. Focus 1020 Grating/Grism 300

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0001-0010.BIAS	0	2:47	18:30:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0011-0020.FLAT	8	2:50	18:30:00	32:00:00	300	90	3.0	#57 Velocity S	4	
0021.BIAS	0	2:51	18:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	mostly clear
0022-0030.BIAS	0	2:53	18:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0031-0040.FLAT	16	2:58	18:30:00	32:00:00	300	90	3.0	#57 Velocity S	2	
0041.TCrB	40	3:01	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0042.TCrB	120	3:02	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	
0043.COMP	5	3:04	15:59:30	25:55:12	300	90	3.0	#12 Symbiotic	4	new corrector, bad psf
0044.AGDra	3	3:05	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0045.AGDra	6	3:06	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0046.AGDra	20	3:06	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0047.AGDra	100	3:07	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0048.COMP	5	3:09	16:01:41	66:48:10	300	90	3.0	#12 Symbiotic	4	
0049.sn2004dk	1200	3:12	16:21:48.9	-02:16:17	300	47	3.0	#2 SN Observat	2	
0050.COMP	10	3:32	16:21:48.9	-02:16:17	300	47	3.0	#2 SN Observat	2	
0051.RSOph	20	3:37	17:50:13	-06:42:30	300	28	3.0	#12 Symbiotic	4	
0052.RSOph	90	3:38	17:50:13	-06:42:30	300	28	3.0	#12 Symbiotic	4	
0053.RSOph	180	3:40	17:50:13	-06:42:30	300	28	3.0	#12 Symbiotic	4	
0054.COMP	5	3:43	17:50:13	-06:42:30	300	28	3.0	#12 Symbiotic	4	
0055.YYHer	20	3:47	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	

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0056.YYHer	60	3:47	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0057.YYHer	150	3:49	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0058.COMP	5	3:52	18:14:34	20:59:19	300	90	3.0	#12 Symbiotic	4	
0059.V443Her	10	3:53	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0060.V443Her	30	3:54	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0061.V443Her	120	3:54	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0062.COMP	5	3:57	18:22:07	23:27:20	300	90	3.0	#12 Symbiotic	4	
0063.BFCyg	4	3:58	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0064.BFCyg	20	3:59	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0065.BFCyg	100	4:00	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0066.COMP	5	4:01	19:23:53	29:40:27	300	90	3.0	#12 Symbiotic	4	
0067.CHCyg	2	4:02	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0068.CHCyg	5	4:03	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0069.CHCyg	20	4:03	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0070.COMP	5	4:04	19:24:33	50:14:30	300	90	3.0	#12 Symbiotic	4	
0071.CICyg	2	4:05	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0072.CICyg	30	4:06	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0073.CICyg	60	4:06	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0074.COMP	5	4:08	19:50:12	35:41:02	300	90	3.0	#12 Symbiotic	4	
0075.2506_02	1200	4:11	22:56:37.5	+12:41:26	300	90	3.0	#64 Galaxy For	4	

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Slit	Program	Bir	Comments
0076.COMP	5	4:32	22:56:37.5	+12:41:26	300	90	3.0	#64 Galaxy For	4	
0077.2506_01	720	4:32	22:58:08.7	+12:28:28	300	90	3.0	#64 Galaxy For	4	
0078.COMP	5	4:45	22:58:08.7	+12:28:28	300	90	3.0	#64 Galaxy For	4	
0079.2506_03	900	4:45	22:55:50.2	+12:50:55	300	90	3.0	#64 Galaxy For	4	
0080.COMP	5	5:01	22:55:50.2	+12:50:55	300	90	3.0	#64 Galaxy For	4	
0081.2506_04	900	5:01	22:52:39.1	+13:00:39	300	90	3.0	#64 Galaxy For	4	
0082.COMP	5	5:17	22:52:39.1	+13:00:39	300	90	3.0	#64 Galaxy For	4	
0083.2506_05	900	5:17	23:00:03.6	+13:04:27	300	90	3.0	#64 Galaxy For	4	
0084.COMP	5	5:33	23:00:03.6	+13:04:27	300	90	3.0	#64 Galaxy For	4	
0085.2506_06	900	5:34	22:58:04.6	+13:08:59	300	90	3.0	#64 Galaxy For	4	
0086.COMP	5	5:49	22:58:04.6	+13:08:59	300	90	3.0	#64 Galaxy For	4	
0087.2506_07	720	5:50	22:59:36.2	+13:22:11	300	90	3.0	#64 Galaxy For	4	
0088.COMP	5	6:03	22:59:36.2	+13:22:11	300	90	3.0	#64 Galaxy For	4	power failure, close
0089.BDp284211	120	6:39	21:48:57.1	28:37:48	300	68	3.0	#56 Spectropho	2	ok went to gen to fix
0090.BDp284211	180	6:42	21:48:57.1	28:37:48	300	68	3.0	#56 Spectropho	2	
0091.COMP	10	6:45	21:48:57.1	28:37:48	300	68	3.0	#56 Spectropho	2	
0092.BDp174708	75	6:47	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	
0093.BDp174708	75	6:49	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	
0094.BDp174708	75	6:50	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	
0095.COMP	10	6:52	22:11:31.4	18:05:34	300	15	3.0	#56 Spectropho	2	

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0096.sn2004ef	330	6:55	22:42:10.0	+19:59:40	300	90	3.0	#2 SN Observat	2	
0097.sn2004ef	1200	7:01	22:42:10.0	+19:59:40	300	90	3.0	#2 SN Observat	2	
0098.COMP	10	7:21	22:42:10.0	+19:59:40	300	90	3.0	#2 SN Observat	2	
0099.Akn564	240	7:23	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0100.Akn564	240	7:27	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0101.COMP	5	7:31	22:42:39.4	+29:43:31	300	90	3.0	#6 AGN Monitor	4	
0102.N7469	180	7:33	23:03:15.7	+08:52:27	300	8	3.0	#6 AGN Monitor	4	
0103.N7469	180	7:36	23:03:15.7	+08:52:27	300	8	3.0	#6 AGN Monitor	4	
0104.COMP	5	7:39	23:03:15.7	+08:52:27	300	8	3.0	#6 AGN Monitor	4	
0105.N7331	150	7:41	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0106.COMP	5	7:44	22:34:46.9	+34:09:43	300	90	3.0	#57 Velocity S	4	
0107.ZAnd	3	7:46	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0108.ZAnd	10	7:46	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0109.ZAnd	30	7:46	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0110.COMP	5	7:47	23:33:40	48:49:06	300	90	3.0	#12 Symbiotic	4	
0111.BDp284211	240	7:52	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	600-line, 2-sec, Warren
0112.COMP	10	7:57	21:48:57.1	28:37:48	600	90	2.0	#122 Halo Star	4	
0113.hs2900	1200	7:58	23:04:46.1	20:20:46	600	90	2.0	#122 Halo Star	4	
0114.COMP	10	8:19	23:04:46.1	20:20:46	600	90	2.0	#122 Halo Star	4	
0115.hs2921	180	8:19	23:18:26.0	17:57:44	600	90	2.0	#122 Halo Star	4	

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0116.COMP	10	8:23	23:18:26.0	17:57:44	600	90	2.0	#122 Halo Star	4	
0117.hs2922	270	8:24	23:19:39.2	21:55:40	600	90	2.0	#122 Halo Star	4	
0118.COMP	10	8:29	23:19:39.2	21:55:40	600	90	2.0	#122 Halo Star	4	
0119.hs2923	600	8:30	23:19:40.1	17:40:11	600	90	2.0	#122 Halo Star	4	
0120.COMP	10	8:40	23:19:40.1	17:40:11	600	90	2.0	#122 Halo Star	4	
0121.hs2924	240	8:40	23:19:40.9	21:49:11	600	90	2.0	#122 Halo Star	4	
0122.COMP	10	8:45	23:19:40.9	21:49:11	600	90	2.0	#122 Halo Star	4	
0123.hs2925	270	8:46	23:20:05.5	18:17:54	600	90	2.0	#122 Halo Star	4	
0124.COMP	10	8:50	23:20:05.5	18:17:54	600	90	2.0	#122 Halo Star	4	
0125.hs2926	360	8:51	23:21:41.1	19:37:29	600	90	2.0	#122 Halo Star	4	
0126.COMP	10	8:58	23:21:41.1	19:37:29	600	90	2.0	#122 Halo Star	4	
0127.hs2927	600	8:59	23:21:49.7	16:41:50	600	90	2.0	#122 Halo Star	4	
0128.COMP	10	9:09	23:21:49.7	16:41:50	600	90	2.0	#122 Halo Star	4	
0129.hs2928	240	9:10	23:22:00.1	23:17:35	600	90	2.0	#122 Halo Star	4	
0130.COMP	10	9:14	23:22:00.1	23:17:35	600	90	2.0	#122 Halo Star	4	
0131.hs2929	360	9:15	23:22:23.8	20:46:36	600	90	2.0	#122 Halo Star	4	
0132.COMP	10	9:21	23:22:23.8	20:46:36	600	90	2.0	#122 Halo Star	4	
0133.hs2930	480	9:22	23:22:44.2	22:11:33	600	90	2.0	#122 Halo Star	4	
0134.COMP	10	9:30	23:22:44.2	22:11:33	600	90	2.0	#122 Halo Star	4	
0135.hs2931	390	9:31	23:22:50.8	19:01:22	600	90	2.0	#122 Halo Star	4	

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0136.COMP	10	9:38	23:22:50.8	19:01:22	600	90	2.0	#122 Halo Star	4	
0137.hs2932	390	9:39	23:23:09.1	22:49:52	600	90	2.0	#122 Halo Star	4	
0138.COMP	10	9:46	23:23:09.1	22:49:52	600	90	2.0	#122 Halo Star	4	
0139.hs2933	390	9:46	23:24:27.4	21:38:51	600	90	2.0	#122 Halo Star	4	
0140.COMP	10	9:53	23:24:27.4	21:38:51	600	90	2.0	#122 Halo Star	4	
0141.hs2934	210	9:54	23:24:30.7	20:48:47	600	90	2.0	#122 Halo Star	4	
0142.COMP	10	9:58	23:24:30.7	20:48:47	600	90	2.0	#122 Halo Star	4	
0143.hs2935	210	9:58	23:25:36.8	21:56:39	600	90	2.0	#122 Halo Star	4	
0144.COMP	10	10:02	23:25:36.8	21:56:39	600	90	2.0	#122 Halo Star	4	
0145.hs2936	900	10:03	23:27:32.4	19:21:11	600	90	2.0	#122 Halo Star	4	
0146.COMP	10	10:18	23:27:32.4	19:21:11	600	90	2.0	#122 Halo Star	4	
0147.hs2937	210	10:19	23:27:54.3	21:29:49	600	90	2.0	#122 Halo Star	4	
0148.COMP	10	10:23	23:27:54.3	21:29:49	600	90	2.0	#122 Halo Star	4	
0149.hs2938	600	10:24	23:28:05.1	19:04:28	600	90	2.0	#122 Halo Star	4	
0150.COMP	10	10:34	23:28:05.1	19:04:28	600	90	2.0	#122 Halo Star	4	
0151.hs2939	420	10:35	23:28:45.1	23:28:33	600	90	2.0	#122 Halo Star	4	
0152.COMP	10	10:43	23:28:45.1	23:28:33	600	90	2.0	#122 Halo Star	4	
0153.hs3378	360	10:45	1:30:44.2	17:02:05	600	90	2.0	#122 Halo Star	4	
0154.COMP	10	10:51	1:30:44.2	17:02:05	600	90	2.0	#122 Halo Star	4	
0155.hs3377	270	10:52	1:29:56.6	19:03:12	600	90	2.0	#122 Halo Star	4	

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0156.COMP	10	10:57	1:29:56.6	19:03:12	600	90	2.0	#122 Halo Star	4	
0157.hs3376	420	10:57	1:29:56.2	22:12:21	600	90	2.0	#122 Halo Star	4	
0158.COMP	10	11:05	1:29:56.2	22:12:21	600	90	2.0	#122 Halo Star	4	
0159.hs3374	300	11:06	1:29:03.4	17:51:12	600	90	2.0	#122 Halo Star	4	
0160.COMP	10	11:11	1:29:03.4	17:51:12	600	90	2.0	#122 Halo Star	4	
0161.hs3375	210	11:12	1:29:51.0	25:57:35	600	90	2.0	#122 Halo Star	4	
0162.COMP	10	11:16	1:29:51.0	25:57:35	600	90	2.0	#122 Halo Star	4	
0163.hs3372	600	11:16	1:28:17.6	15:58:54	600	90	2.0	#122 Halo Star	4	
0164.COMP	10	11:27	1:28:17.6	15:58:54	600	90	2.0	#122 Halo Star	4	
0165.hs3373	240	11:27	1:28:39.9	24:16:15	600	90	2.0	#122 Halo Star	4	
0166.COMP	10	11:32	1:28:39.9	24:16:15	600	90	2.0	#122 Halo Star	4	
0167.hs3371	480	11:34	1:27:41.9	25:35:27	600	90	2.0	#122 Halo Star	4	
0168.COMP	10	11:42	1:27:41.9	25:35:27	600	90	2.0	#122 Halo Star	4	
0169.hs3370	480	11:43	1:25:53.2	18:48:09	600	90	2.0	#122 Halo Star	4	
0170.COMP	10	11:52	1:25:53.2	18:48:09	600	90	2.0	#122 Halo Star	4	
0171.hs3369	240	11:52	1:25:29.5	21:36:30	600	90	2.0	#122 Halo Star	4	
0172.COMP	10	11:56	1:25:29.5	21:36:30	600	90	2.0	#122 Halo Star	4	
0173-0182.BIAS	0	11:59	1:25:29.5	21:36:30	600	90	2.0	#122 Halo Star	4	
0183-0192.FLAT	24	12:04	1:25:29.5	21:36:30	600	90	2.0	#122 Halo Star	4	
0193.COMP	5	12:08	1:25:29.5	21:36:30	300	90	3.0	#122 Halo Star	4	

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0194.COMP	5	12:10	1:25:29.5	21:36:30	300	90	3.0	#122 Halo Star	4	
0195.COMP	5	12:11	1:25:29.5	21:36:30	300	90	3.0	#122 Halo Star	4	
0196.COMP	5	12:13	1:25:29.5	21:36:30	300	90	3.0	#122 Halo Star	4	
0197.COMP	5	12:16	04:00:19.8	+31:29:03	300	90	3.0	#122 Halo Star	4	
0198.DARK	900	12:17	04:16:10.3	+31:29:09	300	90	3.0	#122 Halo Star	4	
0199.DARK	900	12:33	04:31:25.2	+31:29:14	300	90	3.0	#122 Halo Star	4	
0200.DARK	900	12:48	04:46:36.1	+31:29:20	300	90	3.0	#122 Halo Star	4	
0201.DARK	900	13:03	05:01:50.7	+31:29:25	300	90	3.0	#122 Halo Star	4	
0202.DARK	900	13:18	05:17:01.8	+31:29:31	300	90	3.0	#122 Halo Star	4	
0203.DARK	900	13:33	05:32:13.4	+31:29:37	300	90	3.0	#122 Halo Star	4	
0204.DARK	900	13:48	05:47:28.0	+31:29:43	300	90	3.0	#122 Halo Star	4	
0205.DARK	900	14:04	06:02:39.4	+31:29:48	300	90	3.0	#122 Halo Star	4	
0206.DARK	900	14:19	06:17:50.9	+31:29:54	300	90	3.0	#122 Halo Star	4	
0207.DARK	900	14:34	06:33:05.9	+31:30:00	300	90	3.0	#122 Halo Star	4	
0208.DARK	900	14:49	06:48:17.4	+31:30:06	300	90	3.0	#122 Halo Star	2	
0209.DARK	900	15:04	07:03:36.5	+31:30:11	300	90	3.0	#122 Halo Star	2	
0210.DARK	900	15:20	07:18:52.7	+31:30:17	300	90	3.0	#122 Halo Star	2	
0211.DARK	900	15:35	07:34:11.9	+31:30:22	300	90	3.0	#122 Halo Star	2	
0212.DARK	900	15:50	07:49:28.2	+31:30:27	300	90	3.0	#122 Halo Star	2	
0213.DARK	900	16:05	08:04:47.3	+31:30:32	300	90	3.0	#122 Halo Star	2	

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0214.DARK	900	16:21	08:20:06.8	+31:30:37	300	90	3.0	#122 Halo Star	2	
0215.DARK	900	16:36	08:35:22.6	+31:30:42	300	90	3.0	#122 Halo Star	2	
0216.DARK	900	16:51	08:50:41.9	+31:30:46	300	90	3.0	#122 Halo Star	2	
0217.DARK	900	17:06	09:05:57.3	+31:30:50	300	90	3.0	#122 Halo Star	2	