

UT Date 09/22/00 Observers P BerlindColl. Focus 965 Filter none

File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
01.10.DARK	900	23:12	16:07:44.0	31:30:12	300	90	#2 SN Observat		
11.20.BIAS	0	1:43	18:24:29.0	31:30:06	300	90	#2 SN Observat		Hi Susan! Aren't these elec. logs great?
21.30.FLAT	8	1:45	18:26:12.0	31:30:06	300	90	#2 SN Observat		
31.40.BIAS	0	1:48	18:28:55.0	31:30:06	300	90	#2 SN Observat		
41.50.FLAT	16	1:50	18:31:33.0	31:30:06	300	90	#2 SN Observat		
51.52.BDp332642	45	2:16	15:52:03.0	32:56:54	300	80	#56 Photometri		humid and cool; solid clouds @ sunset but clearing quickly
0053.COMP	10	2:19	15:52:03.0	32:56:54	300	80	#56 Photometri		
0054.2M162252.	90	2:20	16:22:51.0	11:22:15	300	80	#68 2MASS Reds		
0055.COMP	5	2:22	16:22:51.0	11:22:15	300	80	#68 2MASS Reds		
0056.2M163002.	90	2:23	16:30:01.0	23:21:16	300	80	#68 2MASS Reds		
0057.COMP	5	2:25	16:30:01.0	23:21:16	300	80	#68 2MASS Reds		
0058.2M163258.	90	2:25	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		
0059.COMP	5	2:27	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		
0060.2M163454.	90	2:25	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		
0061.COMP	5	2:27	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		
62.63.2M16442	90	2:25	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		planetary neb; 62=neb; 63=central star + neb
0064.COMP	5	2:27	16:32:57.0	23:11:50	300	80	#68 2MASS Reds		
0065.2M161241.	240	2:34	16:12:37.0	33:02:15	300	80	#68 2MASS Reds		there is a brighter gal just to the SW of this gal
0066.COMP	5	2:38	16:12:37.0	33:02:15	300	80	#68 2MASS Reds		
0067.2M162130.	720	2:39	16:21:22.0	47:43:42	300	80	#68 2MASS Reds		

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0068.COMP	5	2:51	16:21:22.0	47:43:42	300	80	#68 2MASS Reds		
0069.2M163125.	120	2:52	16:31:19.0	46:19:27	300	80	#68 2MASS Reds		
0070.COMP	5	2:54	16:31:19.0	46:19:27	300	80	#68 2MASS Reds		
0071.nrgs388.0	1200	2:55	16:26:01.0	38:09:58	300	80	#59 X-Ray Grou		finishes off Andi's 16h hi-pri gals
0072.COMP	5	3:16	16:26:01.0	38:09:58	300	80	#59 X-Ray Grou		
0073.2M164559.	90	3:16	16:45:55.0	35:27:32	300	80	#68 2MASS Reds		
0074.COMP	5	3:18	16:45:55.0	35:27:32	300	80	#68 2MASS Reds		
0075.2M165259.	30	3:19	16:52:54.0	40:21:34	300	80	#68 2MASS Reds		sup star on gal
0076.2M165259.	480	3:20	16:52:54.0	40:21:34	300	80	#68 2MASS Reds		all galaxy; ok
0077.COMP	5	3:18	16:45:55.0	35:27:32	300	80	#68 2MASS Reds		
0078.2M170132.	240	3:29	17:01:30.0	27:56:29	300	80	#68 2MASS Reds		
0079.COMP	5	3:33	17:01:30.0	27:56:29	300	80	#68 2MASS Reds		
0080.2M173313.	100	3:34	17:33:11.0	26:47:38	300	80	#68 2MASS Reds		
0081.COMP	5	3:36	17:33:11.0	26:47:38	300	80	#68 2MASS Reds		
0082.2M173647.	90	3:36	17:36:47.0	12:22:20	300	80	#68 2MASS Reds		
0083.COMP	5	3:38	17:36:46.0	12:22:20	300	80	#68 2MASS Reds		
0084.2M174911.	120	3:39	17:49:10.0	16:06:38	300	80	#68 2MASS Reds		
0085.COMP	5	3:41	17:49:10.0	16:06:38	300	80	#68 2MASS Reds		
0086.2M171702.	100	3:42	17:16:56.0	45:31:27	300	80	#68 2MASS Reds		cloud forming rapidly over mtn
0087.COMP	5	3:44	17:16:56.0	45:31:27	300	80	#68 2MASS Reds		wham!, no more stars

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0088.2M215602.	150	6:18	21:56:02.0	-02:54:00	300	90	#68 2MASS Reds		mtn. fog for 2 hours, then rapid clearing
0089.COMP	5	6:21	21:56:02.0	-02:54:00	300	90	#68 2MASS Reds		
0090.2M210902.	150	6:23	21:09:02.0	-02:17:18	300	90	#68 2MASS Reds		
0091.COMP	5	6:26	21:09:02.0	-02:17:18	300	90	#68 2MASS Reds		
0092.2M202420.	300	6:27	20:24:22.0	-01:51:12	300	90	#68 2MASS Reds		
0093.COMP	5	6:32	20:24:22.0	-01:51:12	300	90	#68 2MASS Reds		
0094.2M203000.	300	6:33	20:30:02.0	-00:51:19	300	90	#68 2MASS Reds		
0095.COMP	5	6:38	20:30:02.0	-00:51:19	300	90	#68 2MASS Reds		
0096.2M203023.	240	6:39	20:30:25.0	-00:50:33	300	90	#68 2MASS Reds		a few clouds lingering...
0097.COMP	5	6:43	20:30:25.0	-00:50:33	300	90	#68 2MASS Reds		
0098.2M210248.	150	6:44	21:02:48.0	13:08:11	300	90	#68 2MASS Reds		
0099.COMP	5	6:47	21:02:48.0	13:08:11	300	90	#68 2MASS Reds		
0100.2M215241.	90	6:47	21:52:41.0	14:16:55	300	90	#68 2MASS Reds		
0101.COMP	5	6:49	21:52:41.0	14:16:55	300	90	#68 2MASS Reds		
0102.Feige110	120	6:51	23:20:03.0	-05:09:56	300	7	#56 Photometri		
0103.Feige110	120	6:54	23:20:03.0	-05:09:56	300	7	#56 Photometri		
0104.COMP	10	6:56	23:20:03.0	-05:09:56	300	7	#56 Photometri		
0105.SNugc1191	1200	6:59	01:42:05.0	07:39:58	300	65	#2 SN Observat		ugh.
0106.COMP	10	7:20	01:42:05.0	07:39:58	300	65	#2 SN Observat		
0107.srgb037.0	900	7:24	23:27:17.0	03:29:14	300	90	#59 X-Ray Grou		still some local clouds around

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
0108.COMP	10	7:39	23:27:17.0	03:29:14	300	90	#59 X-Ray Grou		
0109.srgb037.0	1200	7:42	23:28:46.0	03:30:44	300	98	#59 X-Ray Grou		a is @ row 97; b is @ row48; ignore middle fuzz from ngc7679
0110.COMP	10	8:02	23:28:46.0	03:30:44	300	98	#59 X-Ray Grou		
0111.srgb037.0	900	8:03	23:29:25.0	05:05:23	300	98	#59 X-Ray Grou		
0112.COMP	10	8:18	23:29:25.0	05:05:23	300	98	#59 X-Ray Grou		
0113.srgb037.0	900	8:19	23:29:31.0	03:29:58	300	98	#59 X-Ray Grou		
0114.COMP	5	8:34	23:29:31.0	03:29:58	300	98	#59 X-Ray Grou		
0115.srgb037.0	720	8:35	23:32:17.0	02:35:49	300	98	#59 X-Ray Grou		
0116.COMP	5	8:47	23:32:17.0	02:35:49	300	98	#59 X-Ray Grou		
0117.srgb037.0	720	8:49	23:32:18.0	03:47:14	300	98	#59 X-Ray Grou		
0118.COMP	5	9:01	23:32:18.0	03:47:14	300	98	#59 X-Ray Grou		
0119.srgb037.0	330	9:01	23:32:55.0	02:49:41	300	98	#59 X-Ray Grou		
0120.COMP	5	9:07	23:32:55.0	02:49:41	300	98	#59 X-Ray Grou		
0121.srgb037.0	150	9:08	23:33:09.0	04:33:08	300	98	#59 X-Ray Grou		
0122.COMP	5	9:11	23:33:09.0	04:33:08	300	98	#59 X-Ray Grou		
0123.021810p56	90	9:13	02:18:10.0	56:59:52	300	98	#83 h/chi Pers		
0124.021810p57	240	9:15	02:18:10.0	57:00:39	300	98	#83 h/chi Pers		
0125.021810p57	300	9:19	02:18:10.0	57:16:16	300	98	#83 h/chi Pers		
0126.COMP	5	9:24	02:18:10.0	57:16:16	300	98	#83 h/chi Pers		
0127.021813p57	120	9:25	02:18:14.0	57:16:57	300	98	#83 h/chi Pers		

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File	Exp Time	UT Start	RA	Dec	Gr.	P.A.	Program	Bin	Comments (& Slit)
128.129.021815p57	20	9:27	02:18:15.0	57:10:16	300	98	#83 h/chi Pers		Be*!
0130.COMP	5	9:29	02:18:14.0	57:10:16	300	98	#83 h/chi Pers		
0131.021817p56	120	9:30	02:18:17.0	56:58:05	300	98	#83 h/chi Pers		
0132.021819p57	180	9:32	02:18:19.0	57:16:17	300	98	#83 h/chi Pers		seeing 2-3
0133.021821p56	120	9:35	02:18:21.0	56:58:08	300	98	#83 h/chi Pers		
0134.COMP	5	9:38	02:18:21.0	56:58:08	300	98	#83 h/chi Pers		
0135.021821p56	120	9:38	02:18:21.0	56:58:40	300	98	#83 h/chi Pers		
0136.021825p57	120	9:41	02:18:25.0	57:15:52	300	98	#83 h/chi Pers		
0137.021825p57	210	9:43	02:18:25.0	57:18:59	300	98	#83 h/chi Pers		
0138.COMP	5	9:47	02:18:25.0	57:18:59	300	98	#83 h/chi Pers		
0139.021827p56	20	9:47	02:18:26.0	56:58:09	300	98	#83 h/chi Pers		
0140.021828p56	60	9:48	02:18:27.0	56:58:21	300	98	#83 h/chi Pers		
0141.021828p56	60	9:50	02:18:27.0	56:59:48	300	98	#83 h/chi Pers		
0142.COMP	5	9:51	02:18:27.0	56:59:48	300	98	#83 h/chi Pers		
0143.021832p57	10	9:51	02:18:32.0	57:12:39	300	98	#83 h/chi Pers		
0144.021832p57	75	9:52	02:18:32.0	57:19:08	300	98	#83 h/chi Pers		
0145.021833p57	30	9:53	02:18:33.0	57:19:17	300	98	#83 h/chi Pers		
0146.COMP	5	9:54	02:18:33.0	57:19:17	300	98	#83 h/chi Pers		
0147.021835p57	180	9:55	02:18:35.0	57:19:57	300	98	#83 h/chi Pers		
0148.021837p56	240	9:58	02:18:37.0	56:59:20	300	98	#83 h/chi Pers		

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0149.021840p57	30	10:02	02:18:40.0	57:17:49	300	98	#83 h/chi Pers		
0150.COMP	5	10:03	02:18:40.0	57:17:49	300	98	#83 h/chi Pers		
0151.021841p57	60	10:04	02:18:41.0	57:16:50	300	98	#83 h/chi Pers		
0152.021844p56	90	10:05	02:18:43.0	56:57:31	300	98	#83 h/chi Pers		
0153.021847p57	10	10:07	02:18:47.0	57:08:04	300	98	#83 h/chi Pers		
0154.COMP	5	10:07	02:18:47.0	57:08:04	300	98	#83 h/chi Pers		
0155.021847p57	10	10:08	02:18:47.0	57:17:07	300	98	#83 h/chi Pers		
0156.021848p57	10	10:08	02:18:47.0	57:04:01	300	98	#83 h/chi Pers		Be*
0157.021848p57	10	10:09	02:18:47.0	57:14:24	300	98	#83 h/chi Pers		Be*, blended with comp to west
0158.COMP	5	10:09	02:18:47.0	57:14:24	300	98	#83 h/chi Pers		
0159.021848p57	10	10:11	02:18:47.0	57:14:24	300	98	#83 h/chi Pers		same as file 157; but binby2; ignore fainter comp to west please
0160.COMP	10	10:09	02:18:47.0	57:14:24	300	98	#83 h/chi Pers		
0161.021849p57	10	10:14	02:18:48.0	57:05:49	300	98	#83 h/chi Pers		
0162.021849p57	45	10:14	02:18:48.0	57:07:17	300	98	#83 h/chi Pers		
0163.021851p57	130	10:15	02:18:50.0	57:19:22	300	98	#83 h/chi Pers		
0164.COMP	5	10:18	02:18:50.0	57:19:22	300	98	#83 h/chi Pers		
0165.021853p57	60	10:19	02:18:53.0	57:08:20	300	98	#83 h/chi Pers		
0166.021854p57	75	10:20	02:18:53.0	57:18:07	300	98	#83 h/chi Pers		
0167.021858p57	110	10:25	02:18:57.0	57:08:50	300	98	#83 h/chi Pers		ignore fainter comp to E
0168.COMP	5	10:27	02:18:57.0	57:08:50	300	98	#83 h/chi Pers		

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0169.021900p57	120	10:28	02:19:00.0	57:07:21	300	98	#83 h/chi Pers		
0170.021900p57	20	10:30	02:18:58.0	57:08:40	300	98	#83 h/chi Pers		ignore fainter comp to W
0171.021902p56	150	10:31	02:19:00.0	56:58:06	300	98	#83 h/chi Pers		
0172.COMP	5	10:34	02:19:00.0	56:58:06	300	98	#83 h/chi Pers		
0173.021904p57	210	10:34	02:19:02.0	57:08:38	300	98	#83 h/chi Pers		Be*
0174.021904p57	120	10:38	02:19:02.0	57:20:56	300	98	#83 h/chi Pers		
0175.021905p56	20	10:41	02:19:03.0	56:57:31	300	98	#83 h/chi Pers		
0176.COMP	5	10:41	02:19:03.0	56:57:31	300	98	#83 h/chi Pers		
0177.021906p57	60	10:42	02:19:04.0	57:08:51	300	98	#83 h/chi Pers		
0178.021908p57	60	10:43	02:19:06.0	57:03:48	300	98	#83 h/chi Pers		Be*
0179.021910p56	75	10:45	02:19:08.0	56:56:18	300	98	#83 h/chi Pers		
0180.COMP	5	10:46	02:19:08.0	56:56:18	300	98	#83 h/chi Pers		
0181.021911p57	180	10:48	02:19:09.0	57:18:05	300	98	#83 h/chi Pers		
0182.021913p56	120	10:51	02:19:12.0	56:56:43	300	98	#83 h/chi Pers		
0183.021913p57	30	10:54	02:19:12.0	57:07:41	300	98	#83 h/chi Pers		Be*
0184.COMP	5	10:54	02:19:12.0	57:07:41	300	98	#83 h/chi Pers		
0185.021922p56	180	10:55	02:19:22.0	56:58:51	300	98	#83 h/chi Pers		
0186.021925p56	180	10:58	02:19:24.0	56:57:51	300	98	#83 h/chi Pers		
0187.021926p57	10	11:01	02:19:25.0	57:04:41	300	98	#83 h/chi Pers		Be*
0188.COMP	5	11:02	02:19:25.0	57:04:41	300	98	#83 h/chi Pers		

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0189.021928p57	15	11:02	02:19:28.0	57:07:03	300	98	#83 h/chi Pers		Be*
0190.021929p57	60	11:03	02:19:28.0	57:11:23	300	98	#83 h/chi Pers		Be*
0191.021935p56	90	11:05	02:19:34.0	56:59:45	300	98	#83 h/chi Pers		
0192.COMP	5	11:07	02:19:34.0	56:59:45	300	98	#83 h/chi Pers		
0193.021938p57	180	11:08	02:19:37.0	57:16:27	300	98	#83 h/chi Pers		
0194.021938p57	180	11:11	02:19:37.0	57:20:29	300	98	#83 h/chi Pers		seeing pretty rough
0195.021940p57	180	11:15	02:19:38.0	57:00:18	300	98	#83 h/chi Pers		
0196.COMP	5	11:18	02:19:38.0	57:00:18	300	98	#83 h/chi Pers		
0197.021941p56	180	11:19	02:19:39.0	56:58:04	300	98	#83 h/chi Pers		
0198.021942p56	20	11:22	02:19:41.0	56:58:45	300	98	#83 h/chi Pers		
0199.021942p56	210	11:23	02:19:42.0	56:58:53	300	98	#83 h/chi Pers		
0200.COMP	5	11:27	02:19:42.0	56:58:53	300	98	#83 h/chi Pers		
0201.021944p57	180	11:27	02:19:43.0	57:17:59	300	98	#83 h/chi Pers		
0202.021945p57	60	11:30	02:19:44.0	57:00:13	300	98	#83 h/chi Pers		
0203.021945p57	60	11:32	02:19:43.0	57:01:17	300	98	#83 h/chi Pers		
0204.COMP	5	11:33	02:19:43.0	57:01:17	300	98	#83 h/chi Pers		
0205.021947p57	45	11:33	02:19:46.0	57:00:57	300	98	#83 h/chi Pers		
0206.021947p57	45	11:34	02:19:47.0	57:06:39	300	98	#83 h/chi Pers		Be*
0207.021948p57	150	11:35	02:19:47.0	57:00:28	300	98	#83 h/chi Pers		
0208.COMP	5	11:38	02:19:46.0	57:00:28	300	98	#83 h/chi Pers		

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0209.021949p56	120	11:39	02:19:47.0	56:58:08	300	98	#83 h/chi Pers		
0210.021951p56	120	11:41	02:19:50.0	56:59:59	300	98	#83 h/chi Pers		
0211.021952p57	120	11:43	02:19:50.0	57:17:30	300	98	#83 h/chi Pers		
0212.COMP	5	11:46	02:19:50.0	57:17:30	300	98	#83 h/chi Pers		
0213.021955p57	10	11:46	02:19:55.0	57:19:04	300	98	#83 h/chi Pers		
0214.021957p57	30	11:47	02:19:56.0	57:17:33	300	98	#83 h/chi Pers		
0215.021958p57	60	11:47	02:19:57.0	57:00:35	300	98	#83 h/chi Pers		
0216.COMP	5	11:49	02:19:57.0	57:00:35	300	98	#83 h/chi Pers		
0217.HD12623	2	11:50	02:09:36.2	63:10:14	300	98	#57 Velocity S		
0218.HD12623	2	11:50	02:09:41.2	63:10:14	300	98	#57 Velocity S		
0219.HD12623	2	11:50	02:09:37.2	63:10:14	300	98	#57 Velocity S		
0220.COMP	5	11:51	02:09:42.2	63:10:14	300	98	#57 Velocity S		
0221.HZ14	300	11:54	04:41:10.0	10:59:42	300	0	#56 Photometri		
0222.COMP	5	11:59	04:41:10.0	10:59:42	300	0	#56 Photometri		
0223.NGC1700	180	12:00	04:57:05.0	-04:52:22	300	0	#57 Velocity S		
0224.COMP	5	12:03	04:57:05.0	-04:52:22	300	0	#57 Velocity S		
0225.2M022410.	120	12:06	02:24:09.0	43:17:35	300	90	#68 2MASS Reds		
0226.COMP	5	12:08	02:24:09.0	43:17:35	300	90	#68 2MASS Reds		
0227.2M022447.	180	12:09	02:24:47.0	41:40:52	300	90	#68 2MASS Reds		
0228.COMP	5	12:12	02:24:47.0	41:40:52	300	90	#68 2MASS Reds		

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0229.2M022527.	120	12:13	02:25:27.0	41:53:48	300	90	#68 2MASS Reds		
0230.COMP	5	12:15	02:25:27.0	41:53:48	300	90	#68 2MASS Reds		
0231.2M023027.	150	12:16	02:30:27.0	41:26:44	300	90	#68 2MASS Reds		
0232.COMP	5	12:18	02:30:27.0	41:26:44	300	90	#68 2MASS Reds		
0233.2M023239.	120	12:19	02:32:40.0	42:25:43	300	90	#68 2MASS Reds		
0234.COMP	5	12:21	02:32:40.0	42:25:43	300	90	#68 2MASS Reds		clear and chilly @ dawn
235.244.BIAS	0	12:23	05:06:32.0	42:25:43	300	90	#57 Velocity S		
245.254.FLAT	8	12:25	05:08:11.0	42:25:43	300	90	#57 Velocity S		
255.264.BIAS	0	12:28	05:11:02.0	42:25:43	300	90	#57 Velocity S		
265.264.FLAT	16	12:30	05:13:41.0	42:25:43	300	90	#57 Velocity S		
0266.FLAT	16	12:31	05:14:10.0	42:25:43	300	90	#57 Velocity S		
0267.FLAT	16	12:31	05:14:40.0	42:25:43	300	90	#57 Velocity S		
0268.FLAT	16	12:32	05:15:11.0	42:25:43	300	90	#57 Velocity S		
0269.FLAT	16	12:32	05:15:41.0	42:25:43	300	90	#57 Velocity S		
0270.FLAT	16	12:33	05:16:10.0	42:25:43	300	90	#57 Velocity S		
0271.FLAT	16	12:33	05:16:44.0	42:25:43	300	90	#57 Velocity S		
0272.FLAT	16	12:34	05:17:14.0	42:25:43	300	90	#57 Velocity S		
0273.FLAT	16	12:34	05:17:44.0	42:25:43	300	90	#57 Velocity S		
0274.FLAT	16	12:35	05:18:14.0	42:25:43	300	90	#57 Velocity S		