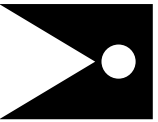
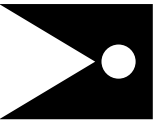
UT Date 06/04/05 Observers Mueller and FarnhamTelescope 2.1m Scale 0.19 CCD F3KB Gain 1.00Filters: 1 OH 2 UVC 3 CM 4 BC 5 C2 6 GC 7 RC 8 R Program _____

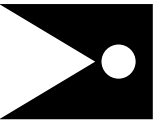
Disk Image	Title	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0001	Dark night 1	OH	0	21:27	+0:01	1.000			
na0002	Dark night 1	OH	0	21:59	+0:01	1.000			
na0003	bias	OH	0	22:32	+0:00	1.000			819 counts
na0004	bias	OH	0	22:35	+0:00	1.000			
na0005	bias	OH	0	22:36	+0:00	1.000			
na0006	bias	OH	0	22:38	+0:00	1.000			
na0007	bias	OH	0	22:39	+0:00	1.000			
na0008	bias	OH	0	22:40	+0:00	1.000			
na0009	bias	OH	0	22:42	+0:00	1.000			
na0010	bias	OH	0	22:43	+0:00	1.000			
na0011	bias	OH	0	22:45	+0:00	1.000			
na0012	bias	OH	0	22:46	+0:00	1.000			
na0013	d-flat R	R	50	23:16	+0:00	2.012			28k low lamp at max
na0014	d-flat R	R	50	23:21	+0:00	2.012			
na0015	d-flat R	R	50	23:23	+0:00	2.012			
na0016	d-flat R	R	50	23:26	+0:00	2.012			
na0017	d-flat R	R	50	23:28	+0:00	2.012			
na0018	d-flat R	R	50	23:30	+0:00	2.012			
na0019	d-flat R	R	50	23:33	+0:00	2.012			
na0020	d-flat R	R	50	23:35	+0:00	2.012			

UT Date 06/04/05 Observers Mueller and FarnhamTelescope 2.1m Scale 0.19 CCD F3KB Gain 1.00Filters: 1 OH 2 UVC 3 CM 4 BC 5 C2 6 GC 7 RC 8 R Program _____

Disk Image	Title	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0021	d-flat R	R	50	23:37	+0:00	2.012			
na0022	d-flat R	R	50	23:39	+0:00	2.012			
na0023	d-flat CM	CM	120	23:42	+0:00	2.012			high lamp @max, 13k
na0024	d-flat CM	CM	120	23:48	+0:00	2.012			
na0025	d-flat CM	CM	120	23:51	+0:00	2.012			
na0026	d-flat CM	CM	120	23:54	+0:00	2.012			
na0027	d-flat CM	CM	120	23:58	+0:00	2.012			
na0028	d-flat BC	BC	30	0:02	+0:00	2.012			high lamp @ max, 18k
na0029	d-flat BC	BC	30	0:05	+0:00	2.012			
na0030	d-flat BC	BC	30	0:07	+0:00	2.012			
na0031	d-flat BC	BC	30	0:09	+0:00	2.012			
na0032	d-flat BC	BC	30	0:10	+0:00	2.012			
na0033	dflat OH	OH	1800	0:16	+0:00	2.012			high lamp @max, 9k
na0034	dflat OH	OH	1800	0:48	+0:00	2.012			
na0035	d-flat GC	GC	10	1:26	+0:00	2.012			high lamp @max, 19k
na0036	d-flat GC	GC	10	1:29	+0:00	2.012			
na0037	d-flat GC	GC	10	1:30	+0:00	2.012			
na0038	d-flat GC	GC	10	1:32	+0:00	2.012			
na0039	d-flat GC	GC	10	1:34	+0:00	2.012			
na0040	d-flat C2	C2	30	1:37	+0:00	2.012			high lamp @50, 14k

UT Date 06/04/05 Observers Mueller and FarnhamTelescope 2.1m Scale 0.19 CCD F3KB Gain 1.00Filters: 1 OH 2 UVC 3 CM 4 BC 5 C2 6 GC 7 RC 8 R Program _____

Disk Image	Title	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0041	d-flat C2	C2	30	1:40	+0:00	2.012			
na0042	d-flat C2	C2	30	1:42	+0:00	2.012			
na0043	d-flat C2	C2	30	1:44	+0:00	2.012			
na0044	d-flat C2	C2	30	1:45	+0:00	2.012			
na0045	d-flat C2	C2	30	1:48	+0:00	2.012			
na0046	d-flat C2	C2	30	1:50	+0:00	2.012			
na0047	d-flat C2	C2	30	1:52	+0:00	2.012			
na0048	d-flat C2	C2	30	1:54	+0:00	2.012			
na0049	d-flat C2	C2	30	1:56	+0:00	2.012			
na0050	d-flat RC	RC	7	1:58	+0:00	2.012			high lamp @50, 19k
na0051	d-flat RC	RC	7	2:00	+0:00	2.012			
na0052	d-flat RC	RC	7	2:02	+0:00	2.012			
na0053	d-flat RC	RC	7	2:03	+0:00	2.012			
na0054	d-flat RC	RC	7	2:05	+0:00	2.012			
na0055	d-flat RC	RC	7	2:07	+0:00	2.012			
na0056	d-flat RC	RC	7	2:08	+0:00	2.012			
na0057	d-flat RC	RC	7	2:10	+0:00	2.012			
na0058	d-flat RC	RC	7	2:11	+0:00	2.012			
na0059	d-flat RC	RC	7	2:13	+0:00	2.012			
na0060	focus test	BC	5	2:59	+0:13	1.007			best focus around 20690

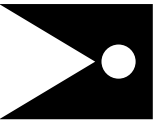


UT Date 06/04/05 Observers Mueller and Farnham

Telescope 2.1m Scale 0.19 CCD F3KB Gain 1.00

Filters: 1 OH 2 UVC 3 CM 4 BC 5 C2 6 GC 7 RC 8 R Program

Disk Image	Title	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0061	focus test	BC	5	3:13	+0:26	1.011	20650	2.5	secondary mirror = 12.4
na0062	Machholz R	R	300	3:38	+0:14	1.024			
na0063	Machholz CM	CM	900	3:47	+0:24	1.026			
na0064	Machholz CM	CM	884	4:05	+0:41	1.033			stopped integration 16sec early
na0065	Machholz R	R	600	4:22	+0:59	1.044	20655		
na0066	Tempel 1 R	R	300	4:43	+1:08	1.207	20700		T=11.3C
na0067	Tempel 1 R	R	600	4:52	+1:17	1.222	20700		
na0068	Tempel 1 CM	CM	900	5:07	+1:32	1.252	20710		960counts
na0069	Tempel 1 BC	BC	900	5:24	+1:49	1.296			1200 counts
na0070	Tempel 1 C2	C2	900	5:41	+2:07	1.352	1900	counts	
na0071	Tempel 1 GC	GC	900	6:00	+2:25	1.425	20720		1300 counts
na0072	Tempel 1 R	R	600	6:17	+2:42	1.510			
na0073	Tempel 1 R	R	600	6:29	+2:54	1.583			
na0074	Tempel 1 CM	CM	900	6:41	+3:07	1.671	20725		
na0075	Tempel 1 BC	BC	900	6:59	+3:25	1.822			
na0076	Tempel 1 R	R	600	7:18	+3:43	2.025			
na0077	PG 1323-086	R	20	7:35	+3:33	2.392	20410	1.7	
na0078	PG 1323-086	R	20	7:38	+3:36	2.439			
na0079	PG 1323-086	R	20	7:40	+3:38	2.474			
na0080	Machholz R	R	600	8:02	+4:39	1.728	20670		

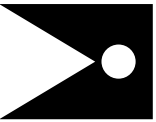


UT Date 06/04/05 Observers Mueller and Farnham

Telescope 2.1m Scale 0.19 CCD F3KB Gain 1.00

Filters: 1 OH 2 UVC 3 CM 4 BC 5 C2 6 GC 7 RC 8 R Program

Disk Image	Title	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0081	Machholz R	R	600	8:14	+4:51	1.825			
na0082	Machholz CM	CM	900	8:26	+5:03	1.935			
na0083	Machholz R	R	600	8:44	+5:21	2.122	20690		
na0084	PG 1525-071	R	20	9:04	+3:00	1.903	206950	1.5	
na0085	PG 1525-071	R	20	9:07	+3:03	1.931			
na0086	HD129956	CM	5	9:11	+3:50	2.174	20705	2.3	12k
na0087	HD129956	BC	5	9:14	+3:53	2.211			30k
na0088	HD129956	GC	5	9:16	+3:55	2.248			50k
na0089	HD129956	C2	5	9:19	+3:58	2.303	20415		deliberately out of focus but too much
na0090	HD129956	C2	5	9:22	+4:01	2.343	20515	2.5	50k
na0091	HD170783	CM	20	9:28	+0:21	1.130	20745		8k not in focus
na0092	HD170783	BC	20	9:31	+0:25	1.132	20710		13k, out of focus
na0093	HD170783	GC	20	9:35	+0:28	1.134	20985	1.4	50k
na0094	HD170783	C2	8	9:38	+0:31	1.136			50k
na0095	HD170783	CM	20	9:40	+0:34	1.137			15k
na0096	HD170783	BC	20	9:43	+0:36	1.139			50k
na0097	SA 110-232	R	20	9:47	+0:31	1.189	20900	1.4	20k
na0098	SA 110-232	R	20	9:50	+0:33	1.191			
na0099	HD149363	CM	20	9:54	+2:44	1.729	20750	1.7	15k
na0100	HD149363	BC	15	9:57	+2:47	1.748			30k

UT Date 06/04/05 Observers Mueller and FarnhamTelescope 2.1m Scale 0.19 CCD F3KB Gain 1.00Filters: 1 OH 2 UVC 3 CM 4 BC 5 C2 6 GC 7 RC 8 R Program _____

Disk Image	Title	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
na0101	HD149363	GC	10	9:59	+2:49	1.768			13k
na0102	HD149363	C2	10	10:02	+2:52	1.786			30k
na0103	PG 1633+099	R	20	10:15	+3:04	1.495	20617		8k
na0104	PG 1633+099	R	40	10:18	+3:07	1.513	20670		20k
na0105	2001 Q4 NEAT	R	300	10:37	-5:44	2.089	20540		1900 counts
na0106	2001 Q4 NEAT	R	600	10:45	-5:36	2.026			3200 counts
na0107	2001 Q4 NEAT	R	600	10:57	-5:24	1.930			
na0108	2001 Q4 NEAT	R	600	11:09	-5:11	1.847			
na0109	HD219188	C2	20	11:25	-2:24	1.370			totally saturated
na0110	HD219188	C2	5	11:27	-2:21	1.359	20785	2.1	20k
na0111	HD219188	GC	10	11:30	-2:18	1.349			30k
na0112	HD219188	BC	15	11:32	-2:16	1.340			50k
na0113	HD219188	CM	20	11:35	-2:14	1.332			40k