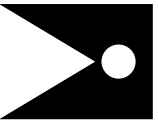


UT Date 04/10/05 Observers Farnham, Knight, Samarasingha

Telescope 2.1m Scale 0.19 CCD f3kb Gain 2.30

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

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
kp050410.0001	Dark Frame	R	0	21:02	+0:03	1.000			
kp050410.0002	Bias	R	0	21:43	+0:03	1.000			
kp050410.0003	Bias	R	0	21:49	+0:03	1.000			
kp050410.0004	Bias	R	0	21:50	+0:03	1.000			
kp050410.0005	Bias	R	0	21:52	+0:03	1.000			
kp050410.0006	Bias	R	0	21:53	+0:03	1.000			
kp050410.0007	Bias	R	0	21:55	+0:04	1.000			
kp050410.0008	Bias	R	0	21:56	+0:03	1.000			
kp050410.0009	Bias	R	0	21:57	+0:03	1.000			
kp050410.0010	Bias	R	0	21:59	+0:04	1.000			
kp050410.0011	Bias	R	0	22:00	+0:03	1.000			820 counts
kp050410.0012	Dome Flat - R	R	50	23:25	+0:00	2.012			29000 counts
kp050410.0013	Dome Flat - R	R	50	23:28	+0:00	2.012			
kp050410.0014	Dome Flat - R	R	50	23:30	+0:00	2.012			
kp050410.0015	Dome Flat - R	R	50	23:33	+0:00	2.012			
kp050410.0016	Dome Flat - R	R	50	23:35	+0:00	2.012			
kp050410.0017	Dome Flat - CM	CM	120	23:39	+0:00	2.012			13000 counts high lamp at max
kp050410.0018	Dome Flat - CM	CM	120	23:42	+0:00	2.012			
kp050410.0019	Dome Flat - CM	CM	120	23:46	+0:00	2.012			
kp050410.0020	Dome Flat - CM	CM	120	23:49	+0:00	2.012			

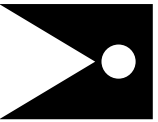


UT Date 04/10/05 Observers Farnham, Knight, Samarasingha

Telescope 2.1m Scale 0.19 CCD f3kb Gain 2.30

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

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
kp050410.0021	Dome Flat - CM	CM	120	23:53	+0:00	2.012			
kp050410.0022	Dome Flat - BC	BC	30	23:58	+0:00	2.012			19000 counts high lamp at max voltage
kp050410.0023	Dome Flat - BC	BC	30	0:00	+0:00	2.012			
kp050410.0024	Dome Flat - BC	BC	30	0:02	+0:00	2.012			
kp050410.0025	Dome Flat - BC	BC	30	0:04	+0:00	2.012			
kp050410.0026	Dome Flat - BC	BC	30	0:06	+0:00	2.012			
kp050410.0027	Dome Flat - GC	GC	10	0:09	+0:00	2.012			20000 counts hi lamp at max
kp050410.0028	Dome Flat - GC	GC	10	0:12	+0:00	2.012			
kp050410.0029	Dome Flat - GC	GC	10	0:14	+0:00	2.012			
kp050410.0030	Dome Flat - GC	GC	10	0:15	+0:00	2.012			
kp050410.0031	Dome Flat - GC	GC	10	0:17	+0:00	2.012			
kp050410.0032	Dome Flat - RC	RC	7	0:23	+0:00	2.012			
kp050410.0033	Dome Flat - RC	RC	7	0:25	+0:00	2.012			22000 counts hi lamp at 50
kp050410.0034	Dome Flat - RC	RC	7	0:26	+0:00	2.012			
kp050410.0035	Dome Flat - RC	RC	7	0:28	+0:00	2.012			
kp050410.0036	Dome Flat - RC	RC	7	0:29	+0:00	2.012			
kp050410.0037	Dome Flat - OH	OH	1800	0:33	+0:00	2.012			
kp050410.0038	Dome Flat - OH	OH	1800	1:24	+0:00	2.012			9000 counts hi lamp on max
kp050410.0039	Dome Flat - C2	C2	30	1:57	+0:00	2.012			16000 counts hi lamp on 50
kp050410.0040	Dome Flat - C2	C2	30	2:00	+0:00	2.012			

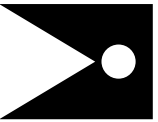


UT Date 04/10/05 Observers Farnham, Knight, Samarasingha

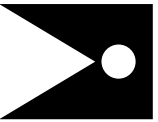
Telescope 2.1m Scale 0.19 CCD f3kb Gain 2.30

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

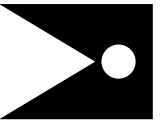
Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
kp050410.0041	Dome Flat - C2	C2	30	2:02	+0:00	2.012			
kp050410.0042	Dome Flat - C2	C2	30	2:04	+0:00	2.012			
kp050410.0043	Dome Flat - C2	C2	30	2:06	+0:00	2.012			
kp050410.0044	Focus - R	R	5	2:30	+0:04	1.001			
kp050410.0045	Focus - R	R	5	2:37	+0:12	1.002	20900	1.6	
kp050410.0046	Landolt 104-443	R	0	2:50	-4:05	2.489			aborted-mirror not in position
kp050410.0047	Landolt 104-443	R	20	2:52	-4:03	2.449			not enough counts--reimaging
kp050410.0048	Landolt 104-443	R	120	2:57	-3:58	2.357			
kp050410.0049	Landolt 104-443	R	120	3:04	-3:51	2.236			
kp050410.0050	Comet Tempel 1	R	300	3:14	-4:13	2.032			
kp050410.0051	Comet Tempel 1	R	300	3:26	-4:01	1.889			
kp050410.0052	Comet Tempel 1	R	300	3:35	-3:52	1.794			
kp050410.0053	Landolt 104-443	R	120	3:45	-3:09	1.754			
kp050410.0054	Landolt 104-443	R	120	3:50	-3:05	1.717			
kp050410.0055	Comet Machholz 2004 Q2	R	240	3:59	-1:53	1.369			Doesn't appear to be drifting
kp050410.0056	Comet Machholz 2004 Q2	R	180	4:09	-1:44	1.360			
kp050410.0057	Comet Machholz 2004 Q2	CM	900	4:18	-1:35	1.352			
kp050410.0058	Comet Machholz 2004 Q2	BC	900	4:35	-1:18	1.339			
kp050410.0059	Comet Machholz 2004 Q2	C2	900	4:53	-1:00	1.329			
kp050410.0060	Comet Machholz 2004 Q2	GC	900	5:11	-0:42	1.321			

UT Date 04/10/05 Observers Farnham, Knight, SamarasinghaTelescope 2.1m Scale 0.19 CCD f3kb Gain 2.30Filters: 1 OH 2 UC 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
kp050410.0061	Comet Machholz 2004 Q2	OH	1800	5:29	-0:23	1.316			
kp050410.0062	Comet Machholz 2004 Q2	CM	900	6:02	+0:08	1.314			
kp050410.0063	Landolt 104-443	R	120	6:24	-0:30	1.195			
kp050410.0064	Landolt 104-443	R	120	6:28	-0:26	1.193			
kp050410.0065	Comet Tempel 1 - R	R	300	6:38	-0:48	1.078			
kp050410.0066	Comet Tempel 1 - OH	OH	1800	6:47	-0:39	1.070			
kp050410.0067	Comet Tempel 1 - CM	CM	900	7:21	-0:05	1.057			
kp050410.0068	Comet Tempel 1 - BC	BC	900	7:39	+0:13	1.058			
kp050410.0069	Comet Tempel 1 - C2	C2	900	7:58	+0:31	1.065			
kp050410.0070	Comet Tempel 1 - GC	GC	900	8:36	+1:09	1.101			
kp050410.0071	Comet Tempel 1 - R	R	300	8:54	+1:28	1.128			
kp050410.0072	HD120086 - RC	RC	10	9:04	+1:04	1.264			
kp050410.0073	HD120086 - GC	GC	10	9:06	+1:06	1.267			
kp050410.0074	HD120086 - C2	C2	10	9:09	+1:09	1.272			
kp050410.0075	HD120086 - BC	BC	15	9:12	+1:12	1.277			
kp050410.0076	HD120086 - CM	CM	30	9:14	+1:14	1.282			
kp050410.0077	HD120086 - OH	OH	180	9:17	+1:18	1.288			
kp050410.0078	Landolt 110-232	R	20	9:31	-3:22	1.852			
kp050410.0079	Landolt 110-232	R	20	9:35	-3:17	1.812			
kp050410.0080	Landolt 111-2088	R	30	9:40	-4:09	2.516			

UT Date 04/10/05 Observers Farnham, Knight, SamarasinghaTelescope 2.1m Scale 0.19 CCD f3kb Gain 2.30Filters: 1 OH 2 UC 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
kp050410.0081	Landolt 111-2088	R	30	9:43	-4:06	2.457			
kp050410.0082	HD187350 - RC	R	20	9:48	-4:13	2.707			
kp050410.0083	HD187350 - GC	RC	5	9:53	-4:08	2.582			
kp050410.0084	HD187350 - BC	BC	5	9:58	-4:03	2.486			
kp050410.0085	HD187350 - C2	C2	10	10:00	-4:01	2.441			
kp050410.0086	HD187350 - GC	GC	10	10:03	-3:57	2.377			
kp050410.0087	HD187350 - CM	CM	30	10:06	-3:55	2.325			
kp050410.0088	HD187350 - OH	OH	120	10:09	-3:51	2.273			
kp050410.0089	Comet Machholz 2004 q2 - CM	CM	900	10:24	+4:30	1.660			
kp050410.0090	Comet Machholz 2004 q2 - BC	BC	900	10:43	+4:50	1.719			
kp050410.0091	HD120086 - GC	GC	10	11:04	+3:05	1.778			
kp050410.0092	HD120086 - C2	C2	10	11:08	+3:08	1.806			
kp050410.0093	HD120086 - BC	BC	15	11:11	+3:12	1.840			
kp050410.0094	HD120086 - CM	CM	30	11:14	+3:15	1.866			
kp050410.0095	HD120086 - OH	OH	180	11:17	+3:18	1.894			
kp050410.0096	Comet Tempel 1 - R	R	300	11:32	+4:06	1.952			No non-sidereal tracking
kp050410.0097	Comet Tempel 1 - R	R	300	11:39	+4:13	2.044			
kp050410.0098	Tempel 1 from Feb 3	R	300	11:49	+4:24	2.366			
kp050410.0099	Tempel 1 from Mar 12	R	300	11:58	+4:17	2.149			
kp050410.0100	Landolt 109-954	R	20	12:10	+0:14	1.182			



UT Date 04/10/05 Observers Farnham, Knight, Samarasingha

Telescope 2.1m Scale 0.19 CCD f3kb Gain 2.30

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

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
kp050410d101	Landolt 109-954	R	20	12:13	+0:16	1.182			
kp050410d102	Landolt 109-954	R	20	12:15	+0:19	1.183			