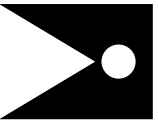


UT Date 04/11/05 Observers Farnham, Knight

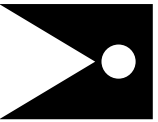
Telescope 2.1m Scale 0.19 CCD f3kb Gain 2.30

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

Disk Image	Title	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
kp050411.0001	Dark frame	R	0	22:10	+0:00	1.000			
kp050411.0002	Bias	R	0	22:42	+0:00	1.000			
kp050411.0003	Bias	R	0	22:44	+0:00	1.000			
kp050411.0004	Bias	R	0	22:46	+0:00	1.000			
kp050411.0005	Bias	R	0	22:47	+0:00	1.000			
kp050411.0006	Bias	R	0	22:48	+0:00	1.000			
kp050411.0007	Bias	R	0	22:50	+0:00	1.000			
kp050411.0008	Bias	R	0	22:51	+0:00	1.000			
kp050411.0009	Bias	R	0	22:53	+0:00	1.000			
kp050411.0010	Bias	R	0	22:54	+0:00	1.000			
kp050411.0011	Bias	R	0	22:56	+0:00	1.000			
kp050411.0012	Dome Flat - R	R	50	23:10	+0:00	2.012			
kp050411.0013	Dome Flat - R	R	50	23:13	+0:00	2.012			
kp050411.0014	Dome Flat - R	R	50	23:17	+0:00	2.012			
kp050411.0015	Dome Flat - R	R	50	23:19	+0:00	2.012			
kp050411.0016	Dome Flat - R	R	50	23:21	+0:00	2.012			
kp050411.0017	Dome Flat - CM	CM	120	23:26	+0:00	2.012			
kp050411.0018	Dome Flat - CM	CM	120	23:30	+0:00	2.012			
kp050411.0019	Dome Flat - CM	CM	120	23:33	+0:00	2.012			
kp050411.0020	Dome Flat - CM	CM	120	23:36	+0:00	2.012			

UT Date 04/11/05 Observers Farnham, KnightTelescope 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
kp050411.0021	Dome Flat - CM	CM	120	23:40	+0:00	2.012			
kp050411.0022	Dome Flat - BC	BC	30	23:44	+0:00	2.012			
kp050411.0023	Dome Flat - BC	BC	30	23:46	+0:00	2.012			
kp050411.0024	Dome Flat - BC	BC	30	23:48	+0:00	2.012			
kp050411.0025	Dome Flat - BC	BC	30	23:50	+0:00	2.012			
kp050411.0026	Dome Flat - BC	BC	30	23:52	+0:00	2.012			
kp050411.0027	Dome Flat - GC	GC	10	23:55	+0:00	2.012			
kp050411.0028	Dome Flat - GC	GC	10	23:57	+0:00	2.012			
kp050411.0029	Dome Flat - GC	GC	10	23:59	+0:00	2.012			
kp050411.0030	Dome Flat - GC	GC	10	0:01	+0:00	2.012			
kp050411.0031	Dome Flat - GC	GC	10	0:02	+0:00	2.012			
kp050411.0032	Dome Flat - GC	GC	10	0:04	+0:00	2.012			
kp050411.0033	Dome Flat - GC	GC	10	0:05	+0:00	2.012			
kp050411.0034	Dome Flat - GC	GC	10	0:07	+0:00	2.012			
kp050411.0035	Dome Flat - GC	GC	10	0:09	+0:00	2.012			
kp050411.0036	Dome Flat - GC	GC	10	0:10	+0:00	2.012			
kp050411.0037	Dome Flat - OH	OH	1800	0:13	+0:00	2.012			
kp050411.0038	Dome Flat - OH	OH	1800	0:57	+0:00	2.012			
kp050411.0039	Dome Flat - C2	C2	30	1:30	+0:00	2.012			
kp050411.0040	Dome Flat - C2	C2	30	1:32	+0:00	2.012			

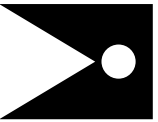


UT Date 04/11/05 Observers Farnham, Knight

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	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
kp050411.0041	Dome Flat - C2	C2	30	1:34	+0:00	2.012			
kp050411.0042	Dome Flat - C2	C2	30	1:36	+0:00	2.012			
kp050411.0043	Dome Flat - C2	C2	30	1:38	+0:00	2.012			
kp050411.0044	Dome Flat - RC	RC	7	1:41	+0:00	2.012			
kp050411.0045	Dome Flat - RC	RC	7	1:43	+0:00	2.012			
kp050411.0046	Dome Flat - RC	RC	7	1:45	+0:00	2.012			
kp050411.0047	Dome Flat - RC	RC	7	1:46	+0:00	2.012			
kp050411.0048	Dome Flat - RC	RC	7	1:48	+0:00	2.012			
kp050411.0049	Focus - R	R	5	2:31	+0:45	1.015			
kp050411.0050	Landolt 104-443	R	180	2:45	-4:06	2.504			
kp050411.0051	Landolt 104-443	R	180	2:51	-4:00	2.393			
kp050411.0052	Landolt 104-443	R	180	2:55	-3:56	2.309			
kp050411.0053	Comet Tempel 1	R	300	3:06	-4:16	2.076			
kp050411.0054	Comet Tempel 1	R	300	3:21	-4:01	1.887			
kp050411.0055	Landolt 104-443	R	150	3:31	-3:20	1.853			
kp050411.0056	Landolt 104-443	R	150	3:36	-3:15	1.807			
kp050411.0057	Comet Machholz 2004 Q2	R	300	3:47	-2:04	1.371			
kp050411.0058	Comet Machholz 2004 Q2	R	300	3:57	-1:54	1.360			
kp050411.0059	Comet Machholz 2004 Q2	CM	900	4:06	-1:45	1.352			
kp050411.0060	Comet Machholz 2004 Q2	BC	900	4:24	-1:27	1.337			

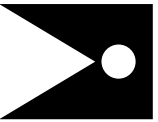


UT Date 04/11/05 Observers Farnham, Knight

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	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
kp050411.0061	Comet Machholz 2004 Q2	C2	900	4:41	-1:10	1.325			
kp050411.0062	Comet Machholz 2004 Q2	GC	900	4:58	-0:53	1.316			
kp050411.0063	Comet Machholz 2004 Q2	OH	1800	5:15	-0:35	1.309			
kp050411.0064	Comet Machholz 2004 Q2	CM	900	5:47	-0:03	1.303			
kp050411.0065	Landolt 104-443	R	150	6:12	-0:38	1.202			
kp050411.0066	Landolt 104-443	R	150	6:25	-0:25	1.192			
kp050411.0067	Comet Tempel 1	R	300	6:38	-0:43	1.073			
kp050411.0068	Comet Tempel 1	OH	1800	6:47	-0:34	1.067			
kp050411.0069	Comet Tempel 1	CM	900	7:19	-0:02	1.057			
kp050411.0070	Comet Tempel 1	BC	900	7:37	+0:15	1.059			
kp050411.0071	Comet Tempel 1	C2	900	7:54	+0:32	1.066			
kp050411.0072	Comet Tempel 1	GC	900	8:11	+0:49	1.079			
kp050411.0073	Comet Tempel 1	RC	900	8:28	+1:06	1.097			
kp050411.0074	Comet Tempel 1	R	300	8:45	+1:24	1.122			
kp050411.0075	HD 120086	RC	10	8:54	+0:58	1.254			
kp050411.0076	HD 120086	GC	10	8:57	+1:01	1.259			
kp050411.0077	HD 120086	C2	10	8:59	+1:03	1.263			
kp050411.0078	HD 120086	BC	15	9:02	+1:06	1.266			
kp050411.0079	HD 120086	CM	30	9:05	+1:09	1.272			
kp050411.0080	HD 120086	OH	180	9:08	+1:12	1.277			

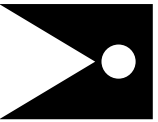


UT Date 04/11/05 Observers Farnham, Knight

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	Filter	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
kp050411.0081	Landolt 110-232	OH	30	9:18	-3:30	1.943			
kp050411.0082	Landolt 110-232	R	30	9:21	-3:27	1.911			
kp050411.0083	Landolt PG1528+062	R	30	9:29	-0:09	1.113			
kp050411.0084	Landolt PG1528+062	R	30	9:32	-0:06	1.113			
kp050411.0085	Landolt 111-2088	R	30	9:38	-4:08	2.495			
kp050411.0086	Landolt 111-2088	R	30	9:40	-4:06	2.445			
kp050411.0087	HD 187350	RC	30	9:46	-4:11	2.649			
kp050411.0088	HD 187350	RC	30	9:49	-4:08	2.578			
kp050411.0089	HD 187350	BC	30	9:52	-4:05	2.524			
kp050411.0090	HD 187350	C2	30	9:54	-4:03	2.475			
kp050411.0091	HD 187350	CM	30	9:57	-4:00	2.420			
kp050411.0092	HD 187350	OH	180	10:00	-3:57	2.374			
kp050411.0093	Comet Machholz 2004 Q2	CM	900	10:12	+4:20	1.628			
kp050411.0094	Comet Machholz 2004 Q2	BC	900	10:29	+4:38	1.678			
kp050411.0095	Tempel 1 Cal field - Feb 3 2005	R	300	10:51	+3:30	1.690			
kp050411.0096	Tempel 1 Cal field - Mar 14 2005	R	300	11:03	+3:26	1.605			
kp050411.0097	Tempel 1 Cal field - Mar 13 2005	R	300	11:13	+3:35	1.678			
kp050411.0098	Comet Tempel 1	R	300	11:21	+4:00	1.882			
kp050411.0099	Comet Tempel 1	R	300	11:28	+4:07	1.962			
kp050411.0100	Comet Tempel 1	R	300	11:35	+4:14	2.049			

UT Date 04/11/05 Observers Farnham, KnightTelescope 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
kp050411.0101	HD 129956	RC	5	11:46	+2:53	1.602			
kp050411.0102	HD 129956	GC	5	11:49	+2:55	1.619			
kp050411.0103	HD 129956	C2	5	11:51	+2:58	1.635			
kp050411.0104	HD 129956	C2	4	11:53	+3:00	1.652			
kp050411.0105	HD 129956	C2	3	11:56	+3:02	1.669			
kp050411.0106	HD 129956	CM	5	11:59	+3:05	1.691			
kp050411.0107	HD 129956	OH	20	12:01	+3:08	1.710			
kp050411.0108	HD 129956	RC	5	12:04	+3:10	1.732			
kp050411.0109	HD 129956	GC	5	12:06	+3:13	1.750			
kp050411.0110	HD 129956	C2	5	12:11	+3:18	1.797			
kp050411.0111	HD 129956	BC	5	12:15	+3:21	1.828			
kp050411.0112	HD 129956	CM	10	12:17	+3:24	1.850			
kp050411.0113	HD 129956	OH	60	12:19	+3:26	1.871			