



KITTT PEAK NATIONAL OBSERVATORY

CCD DIRECT IMAGING LOG

Date 07/05/05 Observers Farnham, Li Telescope KPND Scale 0.26 CCD MOSAIC Gain 3.00  
 Filters: 1 2 3 V 4 R 5 OH 7 UC 8 CN 9 C3 10 BC 11 C2 12 GC 13 RC 14 CD+  
 Program \_\_\_\_\_

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050705.006	Dome Flat R	R	12.0	0:34	+0:00	1.523			
0050705.007	Dome Flat R	R	12.0	0:37	+0:00	1.523			
0050705.008	Dome Flat R	R	12.0	0:40	+0:00	1.523			
0050705.009	Dome Flat R	R	12.0	0:43	+0:00	1.523			
0050705.010	Dome Flat R	R	12.0	0:45	+0:00	1.523			
0050705.011	Dome Flat CN	CN	20.0	0:53	+0:00	1.523			
0050705.012	Dome Flat CN	CN	20.0	0:56	+0:00	1.523			
0050705.013	Dome Flat CN	CN	20.0	0:59	+0:00	1.523			
0050705.014	Dome Flat CN	CN	20.0	1:02	+0:00	1.523			
0050705.015	Dome Flat CN	CN	20.0	1:05	+0:00	1.523			
0050705.016	Dome Flat BC	BC	5.0	1:10	+0:00	1.523			
0050705.017	Dome Flat BC	BC	5.0	1:13	+0:00	1.523			
0050705.018	Dome Flat BC	BC	5.0	1:15	+0:00	1.523			
0050705.019	Dome Flat BC	BC	5.0	1:18	+0:00	1.523			
0050705.020	Dome Flat BC	BC	5.0	1:21	+0:00	1.523			
0050705.021	Dome Flat GC	GC	10.0	1:25	+0:00	1.523			
0050705.022	Dome Flat GC	GC	10.0	1:28	+0:00	1.523			
0050705.023	Dome Flat GC	GC	10.0	1:31	+0:00	1.523			
0050705.024	Dome Flat GC	GC	10.0	1:33	+0:00	1.523			



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Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050705_025	Dome Flat GC	GC	10.0	1:36	+0:00	1.523			
0050705_026	Dome Flat C2	C2	6.0	1:40	+0:00	1.523			
0050705_027	Dome Flat C2	C2	6.0	1:43	+0:00	1.523			
0050705_028	Dome Flat C2	C2	6.0	1:46	+0:00	1.523			
0050705_029	Dome Flat C2	C2	6.0	1:48	+0:00	1.523			
0050705_030	Dome Flat C2	C2	6.0	1:51	+0:00	1.523			
0050705_031	Bias	C2	0.0	1:54	+0:00	1.523			
0050705_032	Bias	C2	0.0	1:57	+0:00	1.523			
0050705_033	Bias	C2	0.0	2:00	+0:00	1.523			
0050705_034	Bias	C2	0.0	2:02	+0:00	1.523			
0050705_035	Bias	C2	0.0	2:05	+0:00	1.523			
0050705_036	Focus	BC	20.0	3:21	+1:12	1.329			
0050705_037	Focus	R	10.0	3:35	+1:25	1.360			
0050705_038	Comet Tempel 1	R	180.0	3:54	+1:41	1.508			
0050705_039	Comet Tempel 1	R	180.0	4:01	+1:48	1.532			
0050705_040	Comet Tempel 1	CN	600.0	4:10	+1:57	1.573			
0050705_041	Comet Tempel 1	BC	600.0	4:28	+2:15	1.660			
0050705_042	Comet Tempel 1	R	180.0	4:45	+2:32	1.766			
0050705_043	Comet Tempel 1	R	120.0	4:52	+2:39	1.817			



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Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050705_044	Comet Tempel 1	CN	600.0	4:59	+2:46	1.876			
0050705_045	Comet Tempel 1	BC	600.0	5:12	+3:00	2.003			
0050705_046	Comet Tempel 1	R	120.0	5:28	+3:15	2.188			
0050705_047	Comet Tempel 1	R	120.0	5:33	+3:21	2.259			
0050705_048	Comet Tempel 1	C2	600.0	5:42	+3:29	2.385			
0050705_049	Comet Tempel 1	GC	600.0	5:55	+3:43	2.642			
0050705_050	Comet Tempel 1	CN	600.0	6:10	+3:58	3.007			
0050705_051	Comet Tempel 1	R	180.0	6:24	+4:11	3.459			
0050705_052	Comet Tempel 1	R	220.0	6:30	+4:17	3.718			
0050705_053	HD 120086	GC	1.0	6:43	+4:23	3.083			
0050705_054	HD 120086	GC	2.0	6:47	+4:26	3.196			
0050705_055	HD 120086	C2	1.5	6:50	+4:30	3.337			
0050705_056	HD 120086	BC	2.0	6:54	+4:33	3.467			
0050705_057	HD 120086	CN	2.0	6:58	+4:37	3.638			
0050705_058	Comet Machholz	R	180.0	7:08	+5:15	2.424			
0050705_059	Comet Machholz	R	180.0	7:15	+5:22	2.556			
0050705_060	Comet Machholz	CN	900.0	7:24	+5:31	2.752			
0050705_061	Comet Machholz	CN	854.7	7:44	+5:51	3.326			
0050705_062	PG1528+062	R	2.0	8:13	+4:09	2.243			



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 Program \_\_\_\_\_

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050705.063	PG1528+062	R	1.5	8:17	+4:13	2.306			
0050705.064	PG1528+062	R	1.5	8:21	+4:17	2.381			
0050705.065	107-215	V	3.0	8:29	+4:17	2.788			
0050705.066	107-215	V	10.0	8:36	+4:25	2.989			
0050705.067	107-215	V	10.0	8:41	+4:29	3.138			
0050705.068	107-215	V	10.0	8:54	+4:43	3.661			
0050705.069	107-215	R	8.0	8:59	+4:47	3.882			
0050705.070	HD 187350	GC	2.0	9:13	+0:51	1.225			
0050705.071	HD 187350	GC	1.0	9:17	+0:54	1.229			
0050705.072	HD 187350	GC	1.0	9:21	+0:58	1.235			
0050705.073	HD 187350	C2	1.0	9:25	+1:03	1.241			
0050705.074	HD 187350	BC	1.0	9:28	+1:06	1.246			
0050705.075	HD 187350	CN	1.0	9:31	+1:09	1.252			
0050705.076	PG 1633+099	R	6.0	9:46	+4:38	2.615			
0050705.077	PG 1633+099	R	3.0	9:50	+4:42	2.710			
0050705.078	PG 1633+099	R	2.0	9:53	+4:45	2.812			
0050705.079	PG 1633+099	R	2.0	10:01	+4:53	3.027			
0050705.080	PG 1633+099	R	2.0	10:04	+4:56	3.148			
0050705.081	PG 1633+099	R	2.0	10:17	+5:09	3.658			



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 Program \_\_\_\_\_

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050705_082	Landolt 113-337	R	1.5	10:21	+0:08	1.174			
0050705_083	Landolt 113-337	R	1.0	10:27	+0:14	1.176			
0050705_084	Landolt 113-337	R	1.0	10:31	+0:18	1.177			
0050705_085	Comet NEAT 2001 Q4	R	600.0	10:38	-3:57	1.486			
0050705_086	Comet NEAT 2001 Q4	R	600.0	10:51	-3:45	1.443			
0050705_087	HD 170783	GC	2.0	11:09	+4:06	2.239			
0050705_088	HD 170783	C2	1.5	11:13	+4:10	2.309			
0050705_089	HD 170783	BC	2.0	11:16	+4:13	2.366			
0050705_090	HD 170783	CN	2.0	11:19	+4:16	2.427			