



KITTT PEAK NATIONAL OBSERVATORY

CCD DIRECT IMAGING LOG

Date 07/04/05 Observers Farnham Telescope KPND Scale 0.26 CCD Mosaic-1 Gain 2.00
 Filters: 1 U 2 Z 3 V 4 R 5 I 6 hb01 7 hbv1 8 hbc1 9 hbc31 10 hbbc1 11 hbc21 12 hbg1 13 hbv1 14 hbco1
 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050704.001	Dome Flat R	R	12.0	23:07	+0:00	1.525			
0050704.002	Dome Flat R	R	12.0	23:09	+0:00	1.525			
0050704.003	Dome Flat R	R	12.0	23:12	+0:00	1.525			
0050704.004	Dome Flat R	R	12.0	23:15	+0:00	1.525			
0050704.005	Dome Flat R	R	12.0	23:18	+0:00	1.525			
0050704.006	Dome Flat V	V	12.0	23:25	+0:00	1.525			
0050704.007	Dome Flat V	V	12.0	23:27	+0:00	1.525			
0050704.008	Dome Flat V	V	12.0	23:30	+0:00	1.525			
0050704.009	Dome Flat V	V	12.0	23:33	+0:00	1.525			
0050704.010	Dome Flat V	V	12.0	23:36	+0:00	1.525			
0050704.011	Dome Flat RC	hbv1	12.0	23:40	+0:00	1.525			
0050704.012	Dome Flat RC	hbv1	12.0	23:43	+0:00	1.525			
0050704.013	Dome Flat RC	hbv1	12.0	23:46	+0:00	1.525			
0050704.014	Dome Flat RC	hbv1	12.0	23:49	+0:00	1.525			
0050704.015	Dome Flat RC	hbv1	12.0	23:51	+0:00	1.525			
0050704.016	Dome Flat filter1 = hbcn1	hbcn1	20.0	0:01	+0:00	1.525			
0050704.017	Dome Flat filter1 = hbcn1	hbcn1	20.0	0:04	+0:00	1.525			
0050704.018	Dome Flat filter1 = hbcn1	hbcn1	20.0	0:07	+0:00	1.525			
0050704.019	Dome Flat filter1 = hbcn1	hbcn1	20.0	0:10	+0:00	1.525			



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 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050704.020	Dome Flat filter1 = hbcm1	hbcm1	20.0	0:13	+0:00	1.525			
0050704.021	Dome Flat filter1 = hbc31	hbc31	15.0	0:16	+0:00	1.525			
0050704.022	Dome Flat filter1 = hbc31	hbc31	15.0	0:19	+0:00	1.525			
0050704.023	Dome Flat filter1 = hbc31	hbc31	15.0	0:22	+0:00	1.525			
0050704.024	Dome Flat filter1 = hbc31	hbc31	15.0	0:24	+0:00	1.525			
0050704.025	Dome Flat filter1 = hbc31	hbc31	15.0	0:27	+0:00	1.525			
0050704.026	Dome Flat filter1 = hbbc1	hbbc1	5.0	0:30	+0:00	1.525			
0050704.027	Dome Flat filter1 = hbbc1	hbbc1	5.0	0:33	+0:00	1.525			
0050704.028	Dome Flat filter1 = hbbc1	hbbc1	5.0	0:35	+0:00	1.525			
0050704.029	Dome Flat filter1 = hbbc1	hbbc1	5.0	0:38	+0:00	1.525			
0050704.030	Dome Flat filter1 = hbbc1	hbbc1	5.0	0:41	+0:00	1.525			
0050704.031	Dome Flat filter1 = hbco1	hbco1	8.0	0:43	+0:00	1.525			
0050704.032	Dome Flat filter1 = hbco1	hbco1	8.0	0:46	+0:00	1.525			
0050704.033	Dome Flat filter1 = hbco1	hbco1	8.0	0:49	+0:00	1.525			
0050704.034	Dome Flat filter1 = hbco1	hbco1	8.0	0:52	+0:00	1.525			
0050704.035	Dome Flat filter1 = hbco1	hbco1	8.0	0:54	+0:00	1.525			
0050704.036	Dome Flat C2	hbco1	6.0	1:01	+0:00	1.525			
0050704.037	Dome Flat C2	hbco1	6.0	1:04	+0:00	1.525			
0050704.038	Dome Flat C2	hbco1	6.0	1:06	+0:00	1.525			



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 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
0050704.039	Dome Flat C2	hbc21	6.0	1:09	+0:00	1.525			
0050704.040	Dome Flat C2	hbc21	6.0	1:12	+0:00	1.525			
0050704.041	Dome Flat GC	hbgc1	10.0	1:16	+0:00	1.525			
0050704.042	Dome Flat GC	hbgc1	10.0	1:18	+0:00	1.525			
0050704.043	Dome Flat GC	hbgc1	10.0	1:21	+0:00	1.525			
0050704.044	Dome Flat GC	hbgc1	10.0	1:24	+0:00	1.525			
0050704.045	Dome Flat GC	hbgc1	10.0	1:26	+0:00	1.525			
0050704.046	Bias	hbgc1	0.0	1:32	+0:00	1.525			
0050704.047	Bias	hbgc1	0.0	1:34	+0:00	1.525			
0050704.048	Bias	hbgc1	0.0	1:37	+0:00	1.525			
0050704.049	Bias	hbgc1	0.0	1:40	+0:00	1.525			
0050704.050	Bias	hbgc1	0.0	1:42	+0:00	1.525			
0050704.051	Focus	hbbc1	20.0	3:24	+1:05	1.389			
0050704.052	Focus	R	10.0	4:36	+2:17	1.645			
0050704.053	Comet Tempel 1	R	240.0	4:46	+2:31	1.746			
0050704.054	Comet Tempel 1	hbcm1	600.0	4:55	+2:40	1.809			
0050704.055	Comet Tempel 1	hbbc1	600.0	5:10	+2:55	1.945			
0050704.056	Comet Tempel 1	R	240.0	5:25	+3:10	2.101			
0050704.057	Comet Tempel 1	hbbc1	600.0	5:33	+3:18	2.207			



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 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FW HM	Comments
0050704.058	Comet Tempel 1	hbrc1	120.0	5:52	+3:37	2.503			
0050704.059	Comet Tempel 1	hbrc1	120.0	5:58	+3:43	2.615			
0050704.060	Comet Tempel 1	hbrc1	600.0	6:04	+3:49	2.748			
0050704.061	Comet Tempel 1	hbrc1	600.0	6:17	+4:02	3.111			
0050704.062	Comet Tempel 1	R	240.0	6:32	+4:18	3.678			
0050704.063	Landolt 111-2088	R	10.0	7:55	-0:19	1.177			
0050704.064	Landolt 111-2088	R	3.0	8:00	-0:15	1.176			
0050704.065	Landolt 111-2088	R	2.0	8:03	-0:11	1.174			
0050704.066	HD 170783	hbrc1	2.0	8:24	+1:16	1.189			
0050704.067	HD 170783	hbrc1	1.0	8:48	+1:40	1.238			
0050704.068	HD 149363	hbrc1	2.0	8:57	+3:46	2.456			
0050704.069	HD 149363	hbrc1	2.0	9:01	+3:50	2.531			
0050704.070	HD 149363	hbrc1	3.0	9:05	+3:54	2.614			
0050704.071	HD 149363	hbrc1	4.0	9:09	+3:58	2.704			
0050704.072	Landolt PG1633+099	R	2.0	9:19	+4:07	2.055			
0050704.073	Landolt PG1633+099	R	2.0	9:24	+4:12	2.138			
0050704.074	Landolt PG1633+099	R	2.0	9:37	+4:25	2.349			
0050704.075	Landolt PG1633+099	R	2.0	9:50	+4:38	2.621			
0050704.076	Landolt 110-232	R	1.5	10:00	+2:42	1.553			



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 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050704.077	Landolt 110-232	R	3.0	10:14	+2:56	1.643			
0050704.078	HD 170783	hb0c1	1.0	10:20	+3:13	1.652			
0050704.079	HD 170783	hbcm1	2.0	10:25	+3:17	1.685			
0050704.080	Comet Neat 2001 Q4	R	600.0	10:42	-3:56	1.481			
0050704.082	Comet Neat 2001 Q4	R	600.0	11:00	-3:39	1.426			
0050704.083	Comet Neat 2001 Q4	R	600.0	11:13	-3:26	1.387			