



KITTT PEAK NATIONAL OBSERVATORY

CCD DIRECT IMAGING LOG

Date 07/01/05 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 hb0h1 7 hbvcl 8 hbcn1 9 hbc31 10 abbcl 11 hbc21 12 hbgcl 13 hbvcl 14 hbco1
 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050702.001	R df1at	R	12.0	22:05	+0:00	1.523			
0050702.002	R df1at	R	12.0	22:08	+0:00	1.523			
0050702.003	R df1at	R	12.0	22:10	+0:00	1.523			
0050702.004	R df1at	R	12.0	22:13	+0:00	1.523			
0050702.005	R df1at	R	12.0	22:16	+0:00	1.523			
0050702.006	R df1at	R	12.0	22:19	+0:00	1.523			
0050702.007	R df1at	R	12.0	22:21	+0:00	1.523			
0050702.008	Bias 07022005UT	R	0.0	22:25	+0:00	1.523			
0050702.009	Bias 07022005UT	R	0.0	22:28	+0:00	1.523			
0050702.010	Bias 07022005UT	R	0.0	22:30	+0:00	1.523			bad rows in chip 6
0050702.011	Bias 07022005UT	R	0.0	22:33	+0:00	1.523			bad rows at top and bottom
0050702.012	Bias 07022005UT	R	0.0	22:35	+0:00	1.523			
0050702.013	Bias 07022005UT	R	0.0	22:38	+0:00	1.523			
0050702.014	Bias 07022005UT	R	0.0	22:40	+0:00	1.523			
0050702.015	Bias 07022005UT	R	0.0	22:43	+0:00	1.523			
0050702.016	Bias 07022005UT	R	0.0	22:45	+0:00	1.523			
0050702.017	Bias 07022005UT	R	0.0	22:48	+0:00	1.523			
0050702.018	Bias 07022005UT	R	0.0	22:51	+0:00	1.523			
0050702.019	Bias 07022005UT	R	0.0	23:01	+0:00	1.523			



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 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050702.020	Bias 07022005UT	R	0.0	23:03	+0:00	1.523			
0050702.021	Bias 07022005UT	R	0.0	23:06	+0:00	1.523			
0050702.022	Bias 07022005UT	R	0.0	23:08	+0:00	1.523			
0050702.023	Bias 07022005UT	R	0.0	23:11	+0:00	1.523			
0050702.024	Bias 07022005UT	R	0.0	23:14	+0:00	1.523			
0050702.025	Bias 07022005UT	R	0.0	23:16	+0:00	1.523			
0050702.026	Bias 07022005UT	R	0.0	23:19	+0:00	1.523			
0050702.027	Bias 07022005UT	R	0.0	23:21	+0:00	1.523			
0050702.028	Bias 07022005UT	R	0.0	23:24	+0:00	1.523			
0050702.029	Bias 07022005UT	R	0.0	23:26	+0:00	1.523			
0050702.030	Dome Flat RC	hbvc1	10.0	23:36	+0:00	1.523			
0050702.031	Dome Flat RC	hbvc1	12.0	23:42	+0:00	1.523			
0050702.032	Dome Flat RC	hbvc1	12.0	23:45	+0:00	1.523			
0050702.033	Dome Flat RC	hbvc1	12.0	23:48	+0:00	1.523			
0050702.034	Dome Flat RC	hbvc1	12.0	23:50	+0:00	1.523			
0050702.035	Dome Flat BC	hbvc1	5.0	0:32	+0:00	1.523			
0050702.036	Dome Flat BC	hbvc1	5.0	0:35	+0:00	1.523			
0050702.037	Dome Flat BC	hbvc1	5.0	0:38	+0:00	1.523			
0050702.038	Dome Flat BC	hbvc1	5.0	0:41	+0:00	1.523			



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 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050702.039	Dome Flat BC	hbcb1	5.0	0:43	+0:00	1.523			
0050702.040	Dome Flat BC	hbcb1	5.0	0:46	+0:00	1.523			
0050702.041	Dome Flat GC	hbgc1	5.0	1:40	+0:00	1.523			
0050702.042	Dome Flat GC	hbgc1	10.0	1:45	+0:00	1.523			
0050702.043	Dome Flat GC	hbgc1	10.0	1:48	+0:00	1.523			
0050702.044	Dome Flat GC	hbgc1	10.0	1:51	+0:00	1.523			
0050702.045	Dome Flat GC	hbgc1	10.0	1:53	+0:00	1.523			
0050702.046	Dome flat C2	hbcb1	6.0	1:57	+0:00	1.523			
0050702.047	Dome flat C2	hbcb1	6.0	2:00	+0:00	1.523			
0050702.048	Dome flat C2	hbcb1	6.0	2:03	+0:00	1.523			
0050702.049	Dome flat C2	hbcb1	6.0	2:06	+0:00	1.523			
0050702.050	Dome flat C2	hbcb1	6.0	2:09	+0:00	1.523			
0050702.051	Dome Flat C3	hbcb1	10.0	2:12	+0:00	1.523			
0050702.052	Dome Flat CN	hbcb1	15.0	2:17	+0:00	1.523			
0050702.053	Dome Flat CN	hbcb1	15.0	2:21	+0:00	1.523			
0050702.054	Dome Flat CN	hbcb1	15.0	2:23	+0:00	1.523			
0050702.055	Dome Flat CN	hbcb1	15.0	2:26	+0:00	1.523			
0050702.056	Dome Flat CN	hbcb1	15.0	2:29	+0:00	1.523			
0050702.057	Dome Flat CN	hbcb1	15.0	3:37	+0:00	1.518			



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 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050702.058	Dome Flat BC	hbhc1	5.0	4:02	+0:00	1.518			
0050702.059	Dome Flat C3	hbc31	10.0	4:05	+0:00	1.518			
0050702.060	Focus	R	10.0	4:25	+0:17	1.003			
0050702.061	Focus	R	10.0	4:36	+0:28	1.006			
0050702.062	Focus	hbhc1	20.0	4:48	+0:40	1.012			
0050702.063	Focus	hbhc1	20.0	4:57	+0:49	1.018			
0050702.064	Focus	hbhc1	20.0	5:10	+1:02	1.028			
0050702.065	Comet Tempel 1	R	300.0	5:40	+3:20	2.193			
0050702.066	Comet Tempel 1	R	263.8	5:49	+3:29	2.326			
0050702.067	Comet Tempel 1	R	105.8	6:00	+3:41	2.530			
0050702.068	Comet Tempel 1	R	300.0	6:27	+4:08	3.211			
0050702.069	Comet Tempel 1	R	300.0	6:38	+4:18	3.603			
0050702.070	M31	R	120.0	8:12	-5:15	2.118			
0050702.071	M31	R	120.0	8:18	-5:09	2.050			
0050702.072	M31	R	120.0	8:23	-5:04	1.996			
0050702.073	M31	R	120.0	8:27	-4:59	1.945			
0050702.074	M31	R	60.0	8:33	-4:53	1.885			
0050702.075	Focus	R	10.0	8:55	-5:52	2.123			
0050702.076	Comet NEAT 2001 Q4	R	600.0	9:10	-5:36	2.001			



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 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050702.077	Comet NEAT 2001 Q4	R	600.0	9:24	-5:22	1.897			
0050702.078	Comet NEAT 2001 Q4	R	600.0	9:43	-5:03	1.783			
0050702.079	Comet NEAT 2001 Q4	R	600.0	9:59	-4:47	1.694			
0050702.080	Comet NEAT 2001 Q4	hbcm1	900.0	10:15	-4:30	1.617			
0050702.081	Asteroid 55434 (2001 TZ66)	R	600.0	10:46	+0:08	1.371			
0050702.082	Asteroid 55434 (2001 TZ66)	R	600.0	11:00	+0:22	1.378			
0050702.083	Asteroid 55434 (2001 TZ66)	R	600.0	11:13	+0:35	1.389			
0050702.084	Dome Flat CN	hbcm1	15.0	11:34	+0:00	1.523			
0050702.085	Dome Flat CN	hbcm1	20.0	11:37	+0:00	1.523			
0050702.086	Dome Flat CN	hbcm1	20.0	11:40	+0:00	1.523			
0050702.087	Dome Flat CN	hbcm1	20.0	11:43	+0:00	1.523			
0050702.088	Dome Flat CN	hbcm1	20.0	11:46	+0:00	1.523			
0050702.089	Dome Flat BC	hbcm1	5.0	11:50	+0:00	1.523			
0050702.090	Dome Flat BC	hbcm1	5.0	11:54	+0:00	1.523			
0050702.091	Dome Flat BC	hbcm1	5.0	11:57	+0:00	1.523			
0050702.092	Dome Flat BC	hbcm1	5.0	11:59	+0:00	1.523			
0050702.093	Dome Flat BC	hbcm1	5.0	12:02	+0:00	1.523			
0050702.094	Dome Flat GC	hbgcl	5.0	12:13	+0:00	1.523			
0050702.095	Dome Flat GC	hbgcl	10.0	12:16	+0:00	1.523			



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 Program _____

Disk Image	Title	Filt	Exp Time	UT Start	Hour Angle	Air Mass	Focus	FWHM	Comments
0050702.096	Dome Flat GC	hbgl	10.0	12:19	+0:00	1.523			
0050702.097	Dome Flat GC	hbgl	10.0	12:22	+0:00	1.523			
0050702.098	Dome Flat GC	hbgl	10.0	12:24	+0:00	1.523			
0050702.099	Dome Flat C2	hbcl	5.0	12:29	+0:00	1.523			
0050702.100	Dome Flat C2	hbcl	6.0	12:33	+0:00	1.523			
0050702.101	Dome Flat C2	hbcl	6.0	12:35	+0:00	1.523			
0050702.102	Dome Flat C2	hbcl	6.0	12:38	+0:00	1.523			
0050702.103	Dome Flat C2	hbcl	6.0	12:41	+0:00	1.523			