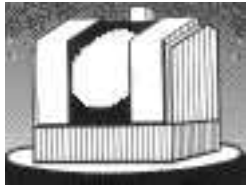


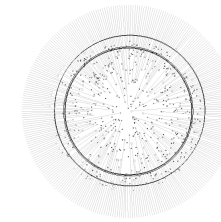
UT Date 10/26/2024 Observers RH

Focus 1.07 Filter none

File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
bias.2984	ring250	270	0	23:48	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	CCD cooling, bleeding off light.
bias.2985	ring250	270	0	23:49	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2986	ring250	270	0	23:50	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2987	ring250	270	0	23:51	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2988	ring250	270	0	23:53	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2989	ring250	270	0	23:54	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2990	ring250	270	0	23:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2991	ring250	270	0	23:56	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2992	ring250	270	0	23:57	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2993	ring250	270	0	23:58	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2994	ring250	270	0	23:59	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2995	ring250	270	0	00:00	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2996	ring250	270	0	00:01	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2997	ring250	270	0	00:02	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2998	ring250	270	0	00:03	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2999	ring250	270	0	00:19	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	Counts look good, ccd nearly at ten p.
bias.3000	ring250	270	0	00:20	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3001	ring250	270	0	00:21	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3002	ring250	270	0	00:22	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3003	ring250	270	0	00:23	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	



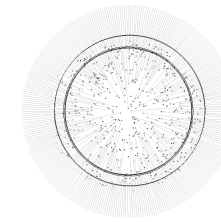
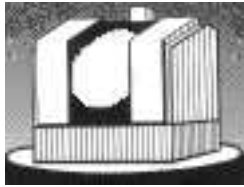
MMT OBSERVATORY HECTOSPEC LOG



UT Date 10/26/2024 Observers RH

Focus 1.07 Filter none

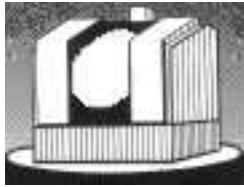
File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
bias.3004	ring250	270	0	00:24	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3005	ring250	270	0	00:25	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3006	ring250	270	0	00:26	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3007	ring250	270	0	00:27	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3008	ring250	270	0	00:28	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
sflat.3009	ring250	270	2	00:41	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	Counts look good, ccd is slightly warm
sflat.3010	ring250	270	2	00:42	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
sflat.3011	ring250	270	2	00:43	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
sflat.3012	ring250	270	3	00:45	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
sflat.3013	ring250	270	3	00:47	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
sflat.3014	ring250	270	4	00:49	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
domeflat.3015	ring250	270	7	00:58	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	Counts look good, ccd temp is stabl lizing
domeflat.3016	ring250	270	7	00:59	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
domeflat.3017	ring250	270	7	01:00	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
domeflat.3018	ring250	270	7	01:01	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
domeflat.3019	ring250	270	7	01:02	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
domeflat.3020	ring250	270	7	01:04	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
domeflat.3021	ring250	270	7	01:05	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	
comp.3022	ring250	270	360	01:06	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	ccd is stabilizing
comp.3023	ring250	270	360	01:14	-01:00:00.0	-100:00:00	+00:02	1.00	calibratio n	



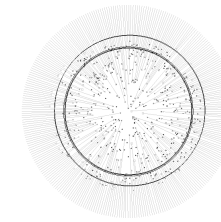
UT Date 10/26/2024 Observers RH

Focus 1.07 Filter none

File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
comp.3024	ring250	270	360	01:21	-01:00:00.0	-100:00:00	+00:02	1.00	calibration	
A7_24b_1.3025	A7_24b	270	1200	02:51	+00:11:37.2	+32:20:53	-02:24	1.16	2024B-SA0-6	Clear, seeing=1.6", ccd temp is stable
A7_24b_1.3026	A7_24b	270	1200	03:12	+00:11:37.2	+32:20:53	-02:03	1.11	2024B-SA0-6	
A7_24b_1.3027	A7_24b	270	1200	03:33	+00:11:37.2	+32:20:53	-01:42	1.07	2024B-SA0-6	
A2457_24b_1.3028	A2457_24b	270	1200	04:13	+22:35:32.9	+01:25:49	+00:33	1.16	2024B-SA0-6	Clear, seeing=1.2"
A2457_24b_1.3029	A2457_24b	270	1200	04:34	+22:35:32.9	+01:25:49	+00:54	1.18	2024B-SA0-6	
A2457_24b_1.3030	A2457_24b	270	1200	04:55	+22:35:32.9	+01:25:49	+01:15	1.22	2024B-SA0-6	
A2457_24b_2.3031	A2457_24b	270	1200	05:35	+22:35:24.8	+01:28:33	+01:55	1.31	2024B-SA0-6	Clear, seeing=1.2"
A2457_24b_2.3032	A2457_24b	270	1200	05:56	+22:35:24.8	+01:28:33	+02:16	1.39	2024B-SA0-6	
A2457_24b_2.3033	A2457_24b	270	1200	06:17	+22:35:24.8	+01:28:33	+02:37	1.48	2024B-SA0-6	
AT2024wpp_1.3034	AT2024wpp	270	1200	07:00	+02:41:59.6	-16:58:35	-00:45	1.54	2024B-Standard	Clear, seeing=1.4"
AT2024wpp_1.3035	AT2024wpp	270	1200	07:21	+02:41:59.6	-16:58:35	-00:24	1.52	2024B-Standard	
AT2024wpp_1.3036	AT2024wpp	270	1200	07:42	+02:41:59.6	-16:58:35	-00:03	1.51	2024B-Standard	
AT2024wpp_1.3037	AT2024wpp	270	1200	08:03	+02:41:59.6	-16:58:35	+00:17	1.51	2024B-Standard	
AT2024wpp_1.3038	AT2024wpp	270	1200	08:25	+02:41:59.6	-16:58:35	+00:39	1.53	2024B-Standard	
AT2024wpp_1.3039	AT2024wpp	270	1200	08:46	+02:41:59.6	-16:58:35	+01:00	1.57	2024B-Standard	Thin clouds passing through
AT2024wpp_1.3040	AT2024wpp	270	1200	09:07	+02:41:59.6	-16:58:35	+01:21	1.63	2024B-Standard	Added an extra exp, since we were a bit ahead of schedule.
A311_24b_1.3041	A311_24b	270	1200	09:49	+02:09:02.5	+19:41:13	+02:36	1.25	2024B-SA0-6	Thin clouds, seeing=.8"
A311_24b_1.3042	A311_24b	270	1200	10:10	+02:09:02.5	+19:41:13	+02:57	1.33	2024B-SA0-6	
A311_24b_1.3043	A311_24b	270	1200	10:31	+02:09:02.5	+19:41:13	+03:18	1.43	2024B-SA0-6	



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Focus 1.07 Filter none

File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
A311_24b_1.3044	A311_24b	270	1200	10:52	+02:09:02.5	+19:41:13	+03:39	1.56	2024B-SA0-6	
pg0934_1.3045	pg0934	270	120	11:33	+09:38:31.3	+55:05:38	-03:09	1.31	2024B-Standard	Thin clouds, seeing=2"
pg0934_1.3046	pg0934	270	120	11:36	+09:38:31.3	+55:05:38	-03:06	1.30	2024B-Standard	
pg0934_1.3047	pg0934	270	120	11:39	+09:38:31.3	+55:05:38	-03:03	1.29	2024B-Standard	
pg0934_1.3048	pg0934	270	120	11:42	+09:38:31.3	+55:05:38	-02:59	1.28	2024B-Standard	
pg0934_1.3049	pg0934	270	120	11:45	+09:38:31.3	+55:05:38	-02:56	1.28	2024B-Standard	
pg0934_1.3050	pg0934	270	120	11:48	+09:38:31.3	+55:05:38	-02:53	1.27	2024B-Standard	
pg0934_1.3051	pg0934	270	120	11:51	+09:38:31.3	+55:05:38	-02:50	1.26	2024B-Standard	
pg0934_1.3052	pg0934	270	120	11:54	+09:38:31.3	+55:05:38	-02:47	1.26	2024B-Standard	
f34_1.3053	f34	270	120	12:07	+10:39:40.1	+43:08:32	-03:35	1.37	2024B-Standard	Thin clouds, seeing=2"
f34_1.3054	f34	270	120	12:10	+10:39:40.1	+43:08:32	-03:32	1.36	2024B-Standard	
f34_1.3055	f34	270	120	12:13	+10:39:40.1	+43:08:32	-03:29	1.35	2024B-Standard	
f34_1.3056	f34	270	120	12:16	+10:39:40.1	+43:08:32	-03:26	1.34	2024B-Standard	
f34_1.3057	f34	270	120	12:20	+10:39:40.1	+43:08:32	-03:23	1.33	2024B-Standard	
f34_1.3058	f34	270	120	12:23	+10:39:40.1	+43:08:32	-03:20	1.31	2024B-Standard	
f34_1.3059	f34	270	120	12:26	+10:39:40.1	+43:08:32	-03:17	1.30	2024B-Standard	
f34_1.3060	f34	270	120	12:29	+10:39:40.1	+43:08:32	-03:13	1.29	2024B-Standard	
dark.3061	parked	270	1200	13:14	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	
dark.3062	parked	270	1200	13:35	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	
dark.3063	parked	270	1200	13:56	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	