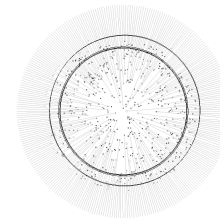
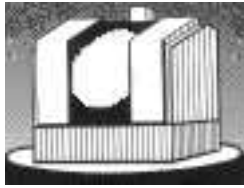


UT Date 04/17/2024 Observers SS

Focus 1.07 Filter none

File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
bias.2768	parked	270	0	23:01	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2769	parked	270	0	23:03	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2770	parked	270	0	23:04	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2771	parked	270	0	23:05	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2772	parked	270	0	23:06	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2773	parked	270	0	23:07	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2774	parked	270	0	23:08	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2775	parked	270	0	23:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2776	parked	270	0	23:10	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2777	parked	270	0	23:11	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.2778	parked	270	0	23:12	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
comp.2779	ring250	270	360	23:42	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
comp.2780	ring250	270	360	23:49	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
comp.2781	ring250	270	360	23:56	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.2782	ring250	270	8	00:03	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.2783	ring250	270	8	00:05	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.2784	ring250	270	8	00:06	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.2785	ring250	270	8	00:07	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.2786	ring250	270	8	00:08	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
dark.2787	ring250	270	900	00:27	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	



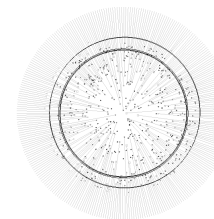
UT Date 04/17/2024 Observers SS

Focus 1.07 Filter none

File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
dark.2788	ring250	270	900	00:43	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
dark.2789	ring250	270	900	00:59	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
sflat.2790	ring250	270	3	01:57	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	Clear,15-20k counts
sflat.2791	ring250	270	3	01:59	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	15-20k
sflat.2792	ring250	270	3	02:00	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	counts too low
sflat.2793	ring250	270	5	02:01	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	counts too low
sflat.2794	ring250	270	5	02:03	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	counts too low
sflat.2795	ring250	270	10	02:05	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	15-20k
sflat.2796	ring250	270	10	02:06	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	15k
sflat.2797	ring250	270	15	02:08	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	15k
A1361_24a_4.2798	A1361_24a	270	1380	02:54	+11:43:30.8	+46:24:53	-02:31	1.18	2024A-SAO- 9	Clear,WFS= 1.77"
A1361_24a_4.2799	A1361_24a	270	1380	03:18	+11:43:30.8	+46:24:53	-02:07	1.13	2024A-SAO- 9	
A1361_24a_4.2800	A1361_24a	270	1380	03:42	+11:43:30.8	+46:24:53	-01:43	1.10	2024A-SAO- 9	
A1361_24a_5.2801	A1361_24a	270	1100	04:27	+11:43:21.5	+46:21:56	-00:57	1.05	2024A-SAO- 9	Clear,WFS= 1.29"
A1361_24a_5.2802	A1361_24a	270	1100	04:46	+11:43:21.5	+46:21:56	-00:38	1.04	2024A-SAO- 9	
A1361_24a_5.2803	A1361_24a	270	1100	05:06	+11:43:21.5	+46:21:56	-00:18	1.03	2024A-SAO- 9	
A1831_24a_5.2804	A1831_24a	270	1380	05:48	+13:59:33.9	+27:55:36	-01:51	1.09	2024A-SAO- 9	Clear,WFS= 1.76"(added time for soft ter seeing)
A1831_24a_5.2805	A1831_24a	270	1380	06:12	+13:59:33.9	+27:55:36	-01:27	1.06	2024A-SAO- 9	
A1831_24a_5.2806	A1831_24a	270	1380	06:36	+13:59:33.9	+27:55:36	-01:03	1.03	2024A-SAO- 9	
A1361_24a_6.2807	A1361_24a	270	1320	07:22	+11:43:53.9	+46:25:05	+01:57	1.12	2024A-SAO- 9	Clear,WFS= 1.39"



MMT OBSERVATORY HECTOSPEC LOG

UT Date 04/17/2024 Observers SSFocus 1.07 Filter none

File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
A1361_24a_6.2808	A1361_24a	270	1320	07:45	+11:43:53.9	+46:25:05	+02:20	1.16	2024A-SAO-9	
A1361_24a_6.2809	A1361_24a	270	1320	08:08	+11:43:53.9	+46:25:05	+02:43	1.21	2024A-SAO-9	
A1831_24a_10.2810	A1831_24a	270	1200	08:52	+13:59:24.5	+28:02:37	+01:11	1.04	2024A-SAO-9	Clear,WFS= 1.24"
A1831_24a_10.2811	A1831_24a	270	1200	09:13	+13:59:24.5	+28:02:37	+01:33	1.06	2024A-SAO-9	
A1831_24a_10.2812	A1831_24a	270	1200	09:34	+13:59:24.5	+28:02:37	+01:54	1.10	2024A-SAO-9	
A1831_24a_11.2813	A1831_24a	270	1260	10:13	+13:59:24.6	+28:02:33	+02:33	1.19	2024A-SAO-9	Clear,WFS= 1.07"
A1831_24a_11.2814	A1831_24a	270	1260	10:35	+13:59:24.6	+28:02:33	+02:55	1.27	2024A-SAO-9	
A1831_24a_11.2815	A1831_24a	270	1260	10:57	+13:59:24.6	+28:02:33	+03:17	1.36	2024A-SAO-9	
A1831_24a_11.2816	A1831_24a	270	1260	11:19	+13:59:24.6	+28:02:33	+03:40	1.47	2024A-SAO-9	