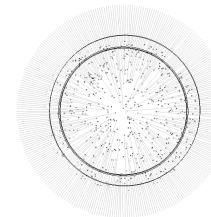




MMT OBSERVATORY HECTOSPEC LOG



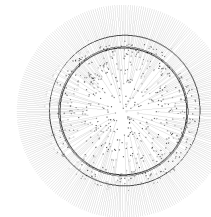
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File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
bias.3451	ring250	270	0	23:02	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3452	ring250	270	0	23:03	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3453	ring250	270	0	23:04	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3454	ring250	270	0	23:05	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3455	ring250	270	0	23:06	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3456	ring250	270	0	23:07	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3457	ring250	270	0	23:08	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3458	ring250	270	0	23:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3459	ring250	270	0	23:10	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3460	ring250	270	0	23:11	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3461	ring250	270	8	00:24	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	Bad, one lamp didn't come on.
domeflat.3462	ring250	270	8	00:25	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3463	ring250	270	8	00:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	All lamps are on now.
domeflat.3464	ring250	270	8	00:33	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3465	ring250	270	8	00:34	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3466	ring250	270	8	00:36	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3467	ring250	270	8	00:37	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3468	ring250	270	8	00:38	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3469	ring250	270	8	00:39	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
comp.3470	ring250	270	360	00:41	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	



MMT OBSERVATORY HECTOSPEC LOG



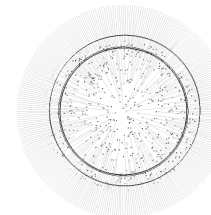
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File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
comp.3471	ring250	270	360	00:48	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
comp.3472	ring250	270	360	00:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
sflat.3473	ring250	270	3	01:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	Counts are a little high.
sflat.3474	ring250	270	3	01:10	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	Counts are good.
sflat.3475	ring250	270	3	01:12	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
sflat.3476	ring250	270	3	01:13	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
sflat.3477	ring250	270	4	01:16	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
sflat.3478	ring250	270	5	01:17	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bd284211_1.3479	bd284211	270	180	01:59	+21:50:56.8	+28:53:22	-02:28	1.17	2025B-Stan dard	Clear, seeing=.7"
bd284211_1.3480	bd284211	270	180	02:03	+21:50:56.8	+28:53:22	-02:24	1.16	2025B-Stan dard	
m31_2025_6.3481	m31_2025	270	1200	02:19	+00:43:21.3	+40:26:12	-05:00	1.96	2025B-SA0- 10	Clear, seeing=1.1"
m31_2025_6.3482	m31_2025	270	1200	02:40	+00:43:21.3	+40:26:12	-04:39	1.76	2025B-SA0- 10	
m31_2025_6.3483	m31_2025	270	1200	03:02	+00:43:21.3	+40:26:12	-04:18	1.61	2025B-SA0- 10	
m31_2025_6.3484	m31_2025	270	1200	03:23	+00:43:21.3	+40:26:12	-03:56	1.48	2025B-SA0- 10	
m31_2025_8.3485	m31_2025	270	1200	03:56	+00:48:22.2	+42:08:11	-03:28	1.35	2025B-SA0- 10	Clear, seeing=.8"
m31_2025_8.3486	m31_2025	270	1200	04:17	+00:48:22.2	+42:08:11	-03:07	1.27	2025B-SA0- 10	
m31_2025_8.3487	m31_2025	270	1200	04:38	+00:48:22.2	+42:08:11	-02:45	1.21	2025B-SA0- 10	
m31_2025_8.3488	m31_2025	270	1200	04:59	+00:48:22.2	+42:08:11	-02:24	1.16	2025B-SA0- 10	
m31_2025_9.3489	m31_2025	270	1200	05:33	+00:43:18.7	+42:26:18	-01:46	1.09	2025B-SA0- 10	Clear, seeing=1"
m31_2025_9.3490	m31_2025	270	1200	05:54	+00:43:18.7	+42:26:18	-01:25	1.06	2025B-SA0- 10	



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File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
m31_2025_9.3491	m31_2025	270	1200	06:15	+00:43:18.7	+42:26:18	-01:03	1.04	2025B-SA0-10	
m31_2025_9.3492	m31_2025	270	1200	06:36	+00:43:18.7	+42:26:18	-00:42	1.03	2025B-SA0-10	
m31_2025_9.3493	m31_2025	270	1200	06:57	+00:43:18.7	+42:26:18	-00:21	1.02	2025B-SA0-10	
NGC1199_mr_max_21.5_with GaiaPhot_3.3494	NGC1199_mr_max_21.5_with GaiaPhot	270	1500	07:34	+03:03:38.0	-15:36:36	-02:05	1.78	2025B-UA0-G305	Clear, seeing=1"
NGC1199_mr_max_21.5_with GaiaPhot_3.3495	NGC1199_mr_max_21.5_with GaiaPhot	270	1500	08:00	+03:03:38.0	-15:36:36	-01:39	1.65	2025B-UA0-G305	
NGC1199_mr_max_21.5_with GaiaPhot_3.3496	NGC1199_mr_max_21.5_with GaiaPhot	270	1500	08:26	+03:03:38.0	-15:36:36	-01:12	1.56	2025B-UA0-G305	
NGC1199_mr_max_21.5_with GaiaPhot_3.3497	NGC1199_mr_max_21.5_with GaiaPhot	270	1500	08:52	+03:03:38.0	-15:36:36	-00:46	1.50	2025B-UA0-G305	
m31_2025_10.3498	m31_2025	270	1200	09:32	+00:40:55.9	+41:46:19	+02:15	1.14	2025B-SA0-10	Clear, seeing=1.2"
m31_2025_10.3499	m31_2025	270	1200	09:53	+00:40:55.9	+41:46:19	+02:37	1.18	2025B-SA0-10	
m31_2025_10.3500	m31_2025	270	1200	10:14	+00:40:55.9	+41:46:19	+02:58	1.24	2025B-SA0-10	
m31_2025_10.3501	m31_2025	270	1200	10:35	+00:40:55.9	+41:46:19	+03:19	1.31	2025B-SA0-10	
m31_2025_11.3502	m31_2025	270	1200	11:11	+00:43:20.3	+41:26:48	+03:52	1.46	2025B-SA0-10	Few thin clouds, seeing=1"
m31_2025_11.3503	m31_2025	270	1200	11:32	+00:43:20.3	+41:26:48	+04:13	1.57	2025B-SA0-10	More clouds
m31_2025_11.3504	m31_2025	270	1200	11:53	+00:43:20.3	+41:26:48	+04:34	1.72	2025B-SA0-10	
dark.3505	parked	270	1200	12:29	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	
dark.3506	parked	270	1200	12:50	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	
dark.3507	parked	270	1200	13:11	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	