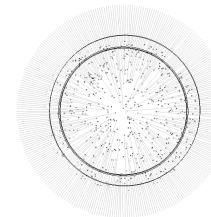




MMT OBSERVATORY HECTOSPEC LOG



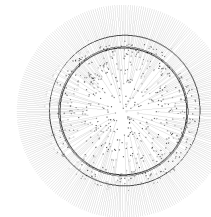
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File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
bias.3395	ring250	270	0	22:44	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3396	ring250	270	0	22:45	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3397	ring250	270	0	22:46	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3398	ring250	270	0	22:47	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3399	ring250	270	0	22:48	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3400	ring250	270	0	22:49	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3401	ring250	270	0	22:50	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3402	ring250	270	0	22:51	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3403	ring250	270	0	22:52	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
bias.3404	ring250	270	0	22:53	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3405	ring250	270	8	00:30	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3406	ring250	270	8	00:31	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3407	ring250	270	8	00:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3408	ring250	270	8	00:33	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3409	ring250	270	8	00:34	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3410	ring250	270	8	00:36	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
domeflat.3411	ring250	270	8	00:37	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
comp.3412	ring250	270	360	00:38	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
comp.3413	ring250	270	360	00:45	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	
comp.3414	ring250	270	360	00:52	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	



MMT OBSERVATORY HECTOSPEC LOG



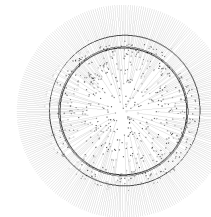
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File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
sflat.3415	ring250	270	2	01:04	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	Counts are a bit high.
sflat.3416	ring250	270	1	01:06	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	Counts are good.
sflat.3417	ring250	270	2	01:07	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	
sflat.3418	ring250	270	2	01:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	
sflat.3419	ring250	270	3	01:10	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	
sflat.3420	ring250	270	3	01:12	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	
bd284211_1.3421	bd284211	270	180	02:02	+21:50:56.8	+28:53:22	-02:28	1.17	2025B-Standard	Clear, seeing=1"
bd284211_1.3422	bd284211	270	180	02:06	+21:50:56.8	+28:53:22	-02:24	1.16	2025B-Standard	
bd284211_1.3423	bd284211	270	120	02:11	+21:50:56.8	+28:53:22	-02:19	1.15	2025B-Standard	The 3 min exp looked fine, but we had time so I did two 2 min ones as well.
bd284211_1.3424	bd284211	270	120	02:14	+21:50:56.8	+28:53:22	-02:16	1.14	2025B-Standard	
m31_2025_2.3425	m31_2025	270	1200	02:33	+00:43:20.3	+41:26:48	-04:50	1.85	2025B-SA0-10	Clear, seeing=1.4"
m31_2025_2.3426	m31_2025	270	1200	02:54	+00:43:20.3	+41:26:48	-04:29	1.68	2025B-SA0-10	
m31_2025_2.3427	m31_2025	270	1200	03:15	+00:43:20.3	+41:26:48	-04:08	1.54	2025B-SA0-10	
m31_2025_2.3428	m31_2025	270	1200	03:36	+00:43:20.3	+41:26:48	-03:46	1.43	2025B-SA0-10	
m31_2025_2.3429	m31_2025	270	1200	03:57	+00:43:20.3	+41:26:48	-03:25	1.34	2025B-SA0-10	
m31_2025_3.3430	m31_2025	270	1200	04:32	+00:43:20.3	+41:26:48	-02:51	1.22	2025B-SA0-10	Clear, seeing=1"
m31_2025_3.3431	m31_2025	270	1200	04:53	+00:43:20.3	+41:26:48	-02:30	1.17	2025B-SA0-10	
m31_2025_3.3432	m31_2025	270	1200	05:14	+00:43:20.3	+41:26:48	-02:09	1.12	2025B-SA0-10	
m31_2025_3.3433	m31_2025	270	1200	05:35	+00:43:20.3	+41:26:48	-01:48	1.09	2025B-SA0-10	
m31_2025_4.3434	m31_2025	270	1200	06:09	+00:40:52.7	+40:45:31	-01:11	1.04	2025B-SA0-10	Clear, seeing=.7"



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File	Title	Grat	Exp	UT	RA	Dec	HA	Air	Prop	Comments
m31_2025_4.3435	m31_2025	270	1200	06:30	+00:40:52.7	+40:45:31	-00:50	1.03	2025B-SA0-10	
m31_2025_4.3436	m31_2025	270	1200	06:51	+00:40:52.7	+40:45:31	-00:29	1.01	2025B-SA0-10	
m31_2025_7.3437	m31_2025	270	1200	07:27	+00:38:46.7	+40:13:09	+00:08	1.01	2025B-SA0-10	Clear, seeing=.5" Oscillations interrupted the next exp
NGC1199_mr_max_21.5_with_GaiaPhot_2.3439	NGC1199_mr_max_21.5_with_GaiaPhot	270	1500	08:21	+03:03:38.0	-15:36:36	-01:21	1.59	2025B-UA0-G305	Clear, seeing=1"
NGC1199_mr_max_21.5_with_GaiaPhot_2.3440	NGC1199_mr_max_21.5_with_GaiaPhot	270	1500	08:47	+03:03:38.0	-15:36:36	-00:55	1.52	2025B-UA0-G305	
NGC1199_mr_max_21.5_with_GaiaPhot_2.3441	NGC1199_mr_max_21.5_with_GaiaPhot	270	1500	09:13	+03:03:38.0	-15:36:36	-00:29	1.48	2025B-UA0-G305	
m31_2025_7.3442	m31_2025	270	1200	09:53	+00:38:46.7	+40:13:09	+02:35	1.18	2025B-SA0-10	Clear, seeing=.9"
m31_2025_7.3443	m31_2025	270	1200	10:14	+00:38:46.7	+40:13:09	+02:56	1.24	2025B-SA0-10	
m31_2025_7.3444	m31_2025	270	1200	10:35	+00:38:46.7	+40:13:09	+03:17	1.31	2025B-SA0-10	
m31_2025_5.3445	m31_2025	270	1200	11:09	+00:45:57.5	+41:07:58	+03:43	1.41	2025B-SA0-10	Clear, seeing=1.4"
m31_2025_5.3446	m31_2025	270	1200	11:30	+00:45:57.5	+41:07:58	+04:05	1.52	2025B-SA0-10	
m31_2025_5.3447	m31_2025	270	1200	11:51	+00:45:57.5	+41:07:58	+04:26	1.66	2025B-SA0-10	
dark.3448	parked	270	1200	12:42	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	
dark.3449	parked	270	1200	13:03	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	
dark.3450	parked	270	1200	13:24	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	