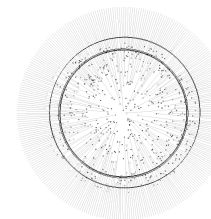




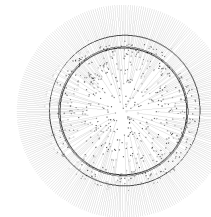
MMT OBSERVATORY HECTOHELLE LOG



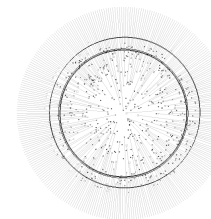
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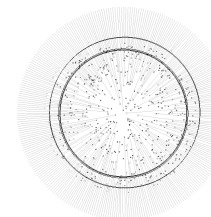
File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
ring250.0538	parked	Na28	0	22:29	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	Bias 2x1
ring250.0539	parked	Na28	0	22:30	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0540	parked	Na28	0	22:31	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0541	parked	RV31	0	22:31	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0542	parked	RV31	0	22:32	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0543	parked	RV31	0	22:33	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0544	parked	RV31	0	22:33	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0545	parked	RV31	0	22:34	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0546	parked	RV31	0	22:35	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0547	parked	RV31	0	22:35	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0548	ring250	RV31	0	22:37	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	Bias 2x3
ring250.0549	ring250	RV31	0	22:37	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0550	ring250	RV31	0	22:37	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0551	ring250	RV31	0	22:38	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0552	ring250	RV31	0	22:38	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0553	ring250	RV31	0	22:38	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0554	ring250	RV31	0	22:39	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0555	ring250	RV31	0	22:39	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0556	ring250	RV31	0	22:39	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0557	ring250	RV31	0	22:40	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	

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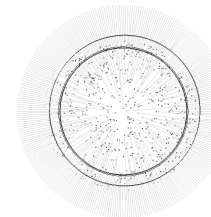
File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
comp.0558	ring250	Na28	250	22:46	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	Na28 2x3
comp.0559	ring250	Na28	250	22:51	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
comp.0560	ring250	Na28	250	22:55	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0561	ring250	Na28	8	23:00	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0562	ring250	Na28	8	23:01	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0563	ring250	Na28	8	23:01	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0564	ring250	Na28	8	23:02	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0565	ring250	Na28	8	23:03	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0566	ring250	Na28	8	23:03	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0567	ring250	Na28	8	23:04	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
comp.0568	ring250	Ca19	100	23:06	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	Ca19 2x1
comp.0569	ring250	Ca19	100	23:09	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
comp.0570	ring250	Ca19	100	23:11	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
domeboxflat.0571	ring250	Ca19	240	23:14	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
domeboxflat.0572	ring250	Ca19	240	23:19	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
domeboxflat.0573	ring250	Ca19	240	23:23	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
domeboxflat.0574	ring250	Ca19	240	23:28	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
comp.0575	ring250	OB25	180	23:35	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	OB25 2x3
comp.0576	ring250	OB25	180	23:38	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
comp.0577	ring250	OB25	180	23:41	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	

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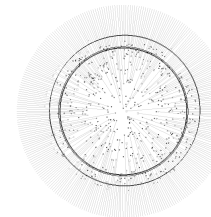
File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
domeflat.0578	ring250	OB25	3	23:45	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0579	ring250	OB25	3	23:45	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0580	ring250	OB25	3	23:46	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0581	ring250	OB25	3	23:46	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0582	ring250	OB25	3	23:47	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0583	ring250	OB25	3	23:48	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0584	ring250	OB25	3	23:48	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
sflat.0585	ring250	OB25	45	23:55	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	OB25 1x1; counts 20,000; good
sflat.0586	ring250	OB25	50	23:58	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	counts 20,000; good
sflat.0587	ring250	OB25	55	00:00	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	counts 20,000; good
sflat.0588	ring250	OB25	60	00:02	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	counts 20,000; good
sflat.0589	ring250	OB25	30	00:04	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	OB25 2x3; counts 40,000-60,000; too high
sflat.0590	ring250	OB25	15	00:05	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	counts 30,000; good
sflat.0591	ring250	OB25	15	00:06	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	counts 20,000; good
sflat.0592	ring250	OB25	15	00:07	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	counts 20,000; good
sflat.0593	ring250	OB25	15	00:07	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	counts 20,000; good
sflat.0594	ring250	Na28	20	00:10	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	Na28 2x3; counts 20,000; good
sflat.0595	ring250	Na28	30	00:11	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	counts 30,000; good
sflat.0596	ring250	Na28	30	00:12	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	counts 20,000; good
sflat.0597	ring250	Na28	30	00:13	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	counts 20,000; good

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File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
sflat.0598	ring250	OB24	45	00:15	-01:00:00.0	-100:00:00	+00:00	1.00	calibratio n	2x2	OB24 2x2; counts 40,000; too high
sflat.0599	ring250	OB24	35	00:17	-01:00:00.0	-100:00:00	+00:00	1.00	calibratio n	2x2	counts 30,000; bit high but mostly good
sflat.0600	ring250	OB24	35	00:18	-01:00:00.0	-100:00:00	+00:00	1.00	calibratio n	2x2	counts 30,000; good
sflat.0601	ring250	OB24	35	00:19	-01:00:00.0	-100:00:00	+00:00	1.00	calibratio n	2x2	counts 30,000; good
sflat.0602	ring250	OB24	35	00:20	-01:00:00.0	-100:00:00	+00:00	1.00	calibratio n	2x2	counts 20,000; good
sflat.0603	ring250	OB24	35	00:22	-01:00:00.0	-100:00:00	+00:00	1.00	calibratio n	2x2	counts 20,000; good
domeflat.0604	NGC_6811_xfitfibs	Ca19	18	01:27	+19:37:57.2	+46:24:14	+03:41	1.40	2025B-SAO- 11	2x1	
comp.0605	NGC_6811_xfitfibs	Ca19	100	01:28	+19:37:57.2	+46:24:14	+03:42	1.40	2025B-SAO- 11	2x1	
NGC_6811_xfitfibs_1.0606	NGC_6811_xfitfibs	Ca19	1200	01:31	+19:37:57.6	+46:24:15	+03:45	1.41	2025B-SAO- 11	2x1	Clear; WFS=0.65"
NGC_6811_xfitfibs_1.0607	NGC_6811_xfitfibs	Ca19	1200	01:52	+19:37:57.6	+46:24:15	+04:06	1.51	2025B-SAO- 11	2x1	
NGC_6811_xfitfibs_1.0608	NGC_6811_xfitfibs	Ca19	1200	02:13	+19:37:57.6	+46:24:15	+04:27	1.63	2025B-SAO- 11	2x1	
comp.0609	NGC_6811_xfitfibs	Ca19	100	02:34	+19:37:57.2	+46:24:14	+04:48	1.77	2025B-SAO- 11	2x1	
domeflat.0610	NGC_752_xfitfibs	Ca19	18	02:53	+01:57:53.7	+37:49:12	-01:12	1.04	2025B-SAO- 11	2x1	
comp.0611	NGC_752_xfitfibs	Ca19	100	02:54	+01:57:53.7	+37:49:12	-01:11	1.04	2025B-SAO- 11	2x1	
NGC_752_xfitfibs_2.0612	NGC_752_xfitfibs	Ca19	1020	02:57	+01:57:53.5	+37:49:08	-01:09	1.03	2025B-SAO- 11	2x1	Clear; WFS=0.62"
NGC_752_xfitfibs_2.0613	NGC_752_xfitfibs	Ca19	1020	03:15	+01:57:53.5	+37:49:08	-00:51	1.02	2025B-SAO- 11	2x1	
NGC_752_xfitfibs_2.0614	NGC_752_xfitfibs	Ca19	1020	03:32	+01:57:53.5	+37:49:08	-00:33	1.01	2025B-SAO- 11	2x1	
comp.0615	NGC_752_xfitfibs	Ca19	100	03:50	+01:57:53.7	+37:49:12	-00:15	1.00	2025B-SAO- 11	2x1	
domeflat.0616	NGC_752_xfitfibs	Ca19	18	04:05	+01:54:38.8	+37:37:34	+00:02	1.00	2025B-SAO- 11	2x1	
comp.0617	NGC_752_xfitfibs	Ca19	100	04:06	+01:54:38.8	+37:37:34	+00:03	1.00	2025B-SAO- 11	2x1	

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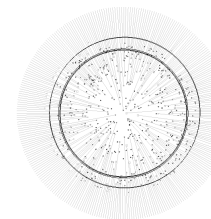
File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
NGC_752_xfitfibs_1.0618	NGC_752_xfitfibs	Ca19	1200	04:09	+01:54:38.8	+37:37:30	+00:06	1.00	2025B-SAO-11	2x1	Clear; WFS=0.57"
NGC_752_xfitfibs_1.0619	NGC_752_xfitfibs	Ca19	1200	04:29	+01:54:38.8	+37:37:30	+00:26	1.01	2025B-SAO-11	2x1	
NGC_752_xfitfibs_1.0620	NGC_752_xfitfibs	Ca19	322	04:50	+01:54:38.8	+37:37:30	+00:47	1.02	2025B-SAO-11	2x1	BAD; Read out early (approx 300sec) due to oscillation
NGC_752_xfitfibs_1.0621	NGC_752_xfitfibs	Ca19	1200	04:59	+01:54:38.8	+37:37:30	+00:56	1.02	2025B-SAO-11	2x1	
comp.0622	NGC_752_xfitfibs	Ca19	100	05:20	+01:54:38.8	+37:37:34	+01:17	1.04	2025B-SAO-11	2x1	
domeflat.0623	ngc2264_guideupdate2	Na28	8	05:40	+06:41:54.1	+09:27:04	-03:10	1.53	2025B-UA0-S178	2x3	
comp.0624	ngc2264_guideupdate2	Na28	250	05:40	+06:41:54.1	+09:27:04	-03:09	1.52	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.1.0625	ngc2264_guideupdate2	Na28	1200	05:45	+06:41:53.9	+09:27:08	-03:04	1.49	2025B-UA0-S178	2x3	Clear; WFS=0.98"
ngc2264_guideupdate2.1.0626	ngc2264_guideupdate2	Na28	1200	06:06	+06:41:53.9	+09:27:08	-02:43	1.38	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.1.0627	ngc2264_guideupdate2	Na28	1200	06:26	+06:41:53.9	+09:27:08	-02:23	1.30	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.1.0628	ngc2264_guideupdate2	Na28	1200	06:46	+06:41:53.9	+09:27:08	-02:03	1.23	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.1.0629	ngc2264_guideupdate2	Na28	1200	07:07	+06:41:53.9	+09:27:08	-01:42	1.18	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.1.0630	ngc2264_guideupdate2	Na28	1200	07:27	+06:41:53.9	+09:27:08	-01:22	1.14	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.1.0631	ngc2264_guideupdate2	Na28	1200	07:47	+06:41:53.9	+09:27:08	-01:01	1.11	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.1.0632	ngc2264_guideupdate2	Na28	1200	08:08	+06:41:53.9	+09:27:08	-00:41	1.09	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.1.0633	ngc2264_guideupdate2	Na28	1200	08:28	+06:41:53.9	+09:27:08	-00:21	1.08	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.1.0634	ngc2264_guideupdate2	Na28	1200	08:48	+06:41:53.9	+09:27:08	-00:00	1.08	2025B-UA0-S178	2x3	
comp.0635	ngc2264_guideupdate2	Na28	250	09:09	+06:41:54.1	+09:27:04	+00:19	1.08	2025B-UA0-S178	2x3	
domeflat.0636	ngc2264_guideupdate2	OB25	3	09:16	+06:41:54.1	+09:27:04	+00:26	1.08	2025B-UA0-S178	2x3	
comp.0637	ngc2264_guideupdate2	OB25	180	09:16	+06:41:54.1	+09:27:04	+00:27	1.08	2025B-UA0-S178	2x3	

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File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
ngc2264_guideupdate2.1.0638	ngc2264_guideupdate2	OB25	1200	09:20	+06:41:53.9	+09:27:08	+00:31	1.09	2025B-UA0-S178	2x3	Clear; WFS=0.98"
comp.0639	ngc2264_guideupdate2	OB25	180	09:41	+06:41:54.1	+09:27:04	+00:51	1.10	2025B-UA0-S178	2x3	
domeflat.0637	ngc2264_guideupdate2	Na28	8	09:59	+06:40:43.3	+09:24:49	+01:11	1.13	2025B-UA0-S178	2x3	
comp.0638	ngc2264_guideupdate2	Na28	250	10:00	+06:40:43.3	+09:24:49	+01:11	1.13	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.2.0639	ngc2264_guideupdate2	Na28	1200	10:05	+06:40:43.3	+09:24:54	+01:16	1.13	2025B-UA0-S178	2x3	Clear; WFS=0.84"
ngc2264_guideupdate2.2.0640	ngc2264_guideupdate2	Na28	1200	10:25	+06:40:43.3	+09:24:54	+01:37	1.17	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.2.0641	ngc2264_guideupdate2	Na28	1200	10:45	+06:40:43.3	+09:24:54	+01:57	1.22	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.2.0642	ngc2264_guideupdate2	Na28	1200	11:06	+06:40:43.3	+09:24:54	+02:18	1.28	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.2.0643	ngc2264_guideupdate2	Na28	1200	11:26	+06:40:43.3	+09:24:54	+02:38	1.36	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.2.0644	ngc2264_guideupdate2	Na28	1200	11:46	+06:40:43.3	+09:24:54	+02:58	1.46	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.2.0645	ngc2264_guideupdate2	Na28	1200	12:07	+06:40:43.3	+09:24:54	+03:19	1.59	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.2.0646	ngc2264_guideupdate2	Na28	1200	12:27	+06:40:43.3	+09:24:54	+03:39	1.76	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.2.0647	ngc2264_guideupdate2	Na28	1200	12:47	+06:40:43.3	+09:24:54	+04:00	1.97	2025B-UA0-S178	2x3	
comp.0648	ngc2264_guideupdate2	Na28	250	13:08	+06:40:43.3	+09:24:49	+04:20	2.28	2025B-UA0-S178	2x3	
dark.0649	parked	Na28	900	13:46	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
dark.0650	parked	Na28	900	14:01	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
dark.0651	parked	Na28	900	14:17	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
dark.0652	parked	Na28	900	14:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
dark.0653	parked	Na28	900	14:48	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
dark.0654	parked	Na28	900	15:04	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	



MMT OBSERVATORY HECTOCHELLE LOG



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UT Date 12/10/2025 Observers KS

<i>File</i>	<i>Title</i>	<i>Filt</i>	<i>Exp</i>	<i>UT</i>	<i>RA</i>	<i>Dec</i>	<i>HA</i>	<i>Air</i>	<i>Prop</i>	<i>Bin</i>	<i>Comments</i>
dark.0655	parked	Na28	900	15:20	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
dark.0656	parked	Na28	900	15:35	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	