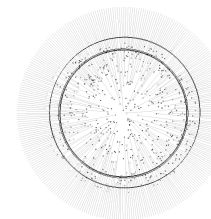




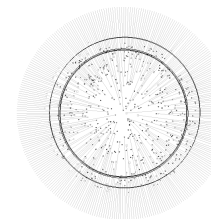
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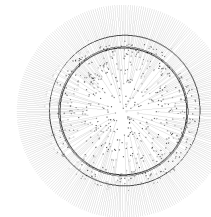
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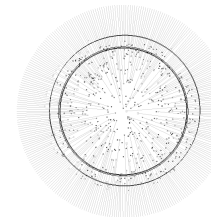
File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
ring250.0239	parked	Na28	0	23:48	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	2x3 Bias
ring250.0240	parked	Na28	0	23:49	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0241	parked	Na28	0	23:49	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0242	parked	Na28	0	23:49	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0243	parked	Na28	0	23:50	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0244	parked	Na28	0	23:50	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0245	parked	Na28	0	23:50	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0246	parked	Na28	0	23:51	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0247	parked	Na28	0	23:51	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0248	parked	Na28	0	23:51	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
ring250.0249	parked	Na28	0	23:54	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	2x1 Bias
ring250.0250	parked	Na28	0	23:54	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0251	parked	Na28	0	23:55	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0252	parked	Na28	0	23:56	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0253	parked	RV31	0	23:56	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0254	parked	RV31	0	23:57	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0255	parked	RV31	0	23:58	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0256	parked	RV31	0	23:58	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0257	parked	RV31	0	23:59	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
ring250.0258	parked	RV31	0	00:00	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	

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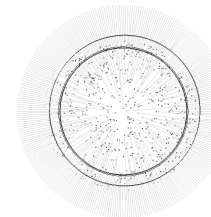
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ring250.0259	ring250	Na28	0	00:01	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	1x1 Bias
ring250.0260	ring250	RV31	0	00:02	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	
ring250.0261	ring250	RV31	0	00:03	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	
ring250.0262	ring250	RV31	0	00:04	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	
ring250.0263	ring250	RV31	0	00:05	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	
ring250.0264	ring250	RV31	0	00:06	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	
ring250.0265	ring250	RV31	0	00:07	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	
ring250.0266	ring250	RV31	0	00:08	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	
ring250.0267	ring250	RV31	0	00:09	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	
ring250.0268	ring250	RV31	0	00:10	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	1x1	
domeflat.0269	ring250	Na28	7	00:11	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	Na28 2x3
domeflat.0270	ring250	Na28	7	00:12	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0271	ring250	Na28	7	00:13	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0272	ring250	Na28	7	00:14	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0273	ring250	Na28	7	00:14	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
domeflat.0274	ring250	Na28	7	00:15	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
comp.0275	ring250	Na28	250	00:15	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
comp.0276	ring250	Na28	250	00:20	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	
comp.0277	ring250	Ca19	100	00:26	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	Ca19 2x1
comp.0278	ring250	Ca19	100	00:29	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	

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File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
domeflat.0279	ring250	Ca19	15	00:32	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
domeflat.0280	ring250	Ca19	15	00:33	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
domeflat.0281	ring250	Ca19	15	00:34	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
domeflat.0282	ring250	Ca19	15	00:35	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
domeflat.0283	ring250	Ca19	15	00:36	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
domeflat.0284	ring250	Ca19	15	00:37	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	
domeflat.0285	ring250	Ca41	180	00:40	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	Ca41 2x1
sflat.0286	ring250	Ca41	20	00:49	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	Ca41 2x1 counts are good
sflat.0287	ring250	Ca41	30	00:50	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
sflat.0288	ring250	Ca41	30	00:51	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
sflat.0289	ring250	OB21	30	00:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	OB21 1x1, counts are a little low.
sflat.0290	ring250	OB21	60	00:56	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	Counts are good
sflat.0291	ring250	OB21	70	00:59	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	
sflat.0292	ring250	OB21	80	01:01	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	
sflat.0293	ring250	Na28	30	01:05	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	Na28 2x3, counts are good.
sflat.0294	ring250	Na28	30	01:07	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
sflat.0295	ring250	Na28	35	01:08	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeboxflat.0296	ring250	Ca19	240	01:14	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	Ca19 2x1
domeboxflat.0297	ring250	Ca19	240	01:18	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeboxflat.0298	ring250	Ca19	240	01:23	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	

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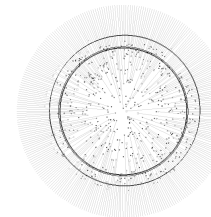
File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
domeflat.0299	ring250	Ca41	200	01:30	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	Ca41 2x1
domeflat.0300	ring250	Ca41	200	01:34	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.0301	ring250	Ca41	200	01:38	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.0302	ring250	Ca41	200	01:42	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.0303	ring250	Ca41	200	01:46	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.0304	ring250	Ca41	240	01:51	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.0305	ring250	Ca41	240	01:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.0306	ring250	OB25	360	02:02	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	OB25 1x1
domeflat.0307	ring250	OB25	15	02:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	
domeflat.0308	ring250	OB25	18	02:11	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	
domeflat.0309	ring250	OB25	18	02:12	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	
domeflat.0310	ring250	OB25	18	02:14	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	
domeflat.0311	ring250	OB21	18	02:17	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	OB21 1x1
domeflat.0312	ring250	OB21	18	02:18	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	
domeflat.0313	ring250	OB21	18	02:20	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	
comp.0314	ring250	OB21	240	02:21	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	
domeflat.0315	Hsu_42_Gaia392562179817077120	OB21	20	02:47	+00:25:07.0	+48:06:48	-04:26	1.62	2025B-UA0-G310	1x1	
comp.0316	Hsu_42_Gaia392562179817077120	OB21	240	02:48	+00:25:07.0	+48:06:48	-04:25	1.61	2025B-UA0-G310	1x1	
Hsu_42_Gaia392562179817077120_1.0317	Hsu_42_Gaia392562179817077120	OB21	900	02:53	+00:25:06.1	+48:06:42	-04:19	1.58	2025B-UA0-G310	1x1	Clear, seeing=.8"
Hsu_42_Gaia392562179817077120_1.0318	Hsu_42_Gaia392562179817077120	OB21	900	03:09	+00:25:06.1	+48:06:42	-04:03	1.49	2025B-UA0-G310	1x1	

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File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
Hsu_42_Gaia392562179817077120_1.0319	Hsu_42_Gaia392562179817077120	OB21	900	03:25	+00:25:06.1	+48:06:42	-03:47	1.42	2025B-UA0-G310	1x1	
comp.0320	Hsu_42_Gaia392562179817077120	OB21	240	03:42	+00:25:07.0	+48:06:48	-03:31	1.36	2025B-UA0-G310	1x1	
domeflat.0321	Hsu_42_Gaia392562179817077120	OB25	20	03:49	+00:25:07.0	+48:06:48	-03:24	1.33	2025B-UA0-G310	1x1	
comp.0322	Hsu_42_Gaia392562179817077120	OB25	360	03:51	+00:25:07.0	+48:06:48	-03:22	1.32	2025B-UA0-G310	1x1	
Hsu_42_Gaia392562179817077120_1.0323	Hsu_42_Gaia392562179817077120	OB25	900	03:58	+00:25:06.1	+48:06:42	-03:14	1.30	2025B-UA0-G310	1x1	Clear, seeing=.8"
Hsu_42_Gaia392562179817077120_1.0324	Hsu_42_Gaia392562179817077120	OB25	900	04:14	+00:25:06.1	+48:06:42	-02:58	1.25	2025B-UA0-G310	1x1	
Hsu_42_Gaia392562179817077120_1.0325	Hsu_42_Gaia392562179817077120	OB25	900	04:30	+00:25:06.1	+48:06:42	-02:42	1.21	2025B-UA0-G310	1x1	
comp.0326	Hsu_42_Gaia392562179817077120	OB25	360	04:46	+00:25:07.0	+48:06:48	-02:26	1.18	2025B-UA0-G310	1x1	
domeflat.0327	cygnusf2_faint	Ca41	200	05:19	+20:56:01.9	+31:31:02	+01:36	1.06	2025B-SAO-7	2x1	
comp.0328	cygnusf2_faint	Ca41	250	05:24	+20:56:01.9	+31:31:02	+01:40	1.07	2025B-SAO-7	2x1	
cygnusf2_faint_1.0329	cygnusf2_faint	Ca41	3000	05:30	+20:56:02.6	+31:31:00	+01:46	1.08	2025B-SAO-7	2x1	Clear, seeing=.7"
cygnusf2_faint_1.0330	cygnusf2_faint	Ca41	3000	06:21	+20:56:02.6	+31:31:00	+02:37	1.19	2025B-SAO-7	2x1	
comp.0331	cygnusf2_faint	Ca41	250	07:12	+20:56:01.9	+31:31:02	+03:28	1.38	2025B-SAO-7	2x1	
domeflat.0332	Hsu_44_Gaia5125414998097353600	OB21	20	07:35	+02:36:01.4	-23:30:42	-01:48	2.05	2025B-UA0-G310	1x1	
comp.0333	Hsu_44_Gaia5125414998097353600	OB21	240	07:36	+02:36:01.4	-23:30:42	-01:46	2.04	2025B-UA0-G310	1x1	
Hsu_44_Gaia5125414998097353600_1.0334	Hsu_44_Gaia5125414998097353600	OB21	900	07:42	+02:36:01.3	-23:30:33	-01:41	2.00	2025B-UA0-G310	1x1	Clear, seeing=1"
Hsu_44_Gaia5125414998097353600_1.0335	Hsu_44_Gaia5125414998097353600	OB21	900	07:58	+02:36:01.3	-23:30:33	-01:25	1.92	2025B-UA0-G310	1x1	
Hsu_44_Gaia5125414998097353600_1.0336	Hsu_44_Gaia5125414998097353600	OB21	900	08:14	+02:36:01.3	-23:30:33	-01:09	1.86	2025B-UA0-G310	1x1	
Hsu_44_Gaia5125414998097353600_1.0337	Hsu_44_Gaia5125414998097353600	OB21	900	08:30	+02:36:01.3	-23:30:33	-00:52	1.81	2025B-UA0-G310	1x1	
comp.0338	Hsu_44_Gaia5125414998097353600	OB21	240	08:46	+02:36:01.4	-23:30:42	-00:36	1.77	2025B-UA0-G310	1x1	



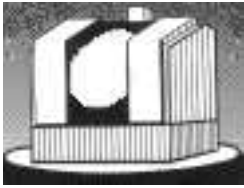
MMT OBSERVATORY HECTOCHELLE LOG



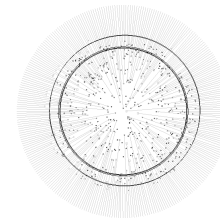
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File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
domeflat.0339	Hsu_44_Gaia5125414998097353600	OB25	20	08:53	+02:36:01.4	-23:30:42	-00:29	1.76	2025B-UA0-G310	1x1	
comp.0340	Hsu_44_Gaia5125414998097353600	OB25	360	08:55	+02:36:01.4	-23:30:42	-00:27	1.76	2025B-UA0-G310	1x1	
Hsu_44_Gaia5125414998097353600_1.0341	Hsu_44_Gaia5125414998097353600	OB25	900	09:02	+02:36:01.3	-23:30:33	-00:20	1.75	2025B-UA0-G310	1x1	Clear, seeing=1"
Hsu_44_Gaia5125414998097353600_1.0342	Hsu_44_Gaia5125414998097353600	OB25	900	09:18	+02:36:01.3	-23:30:33	-00:04	1.74	2025B-UA0-G310	1x1	
Hsu_44_Gaia5125414998097353600_1.0343	Hsu_44_Gaia5125414998097353600	OB25	900	09:34	+02:36:01.3	-23:30:33	+00:11	1.75	2025B-UA0-G310	1x1	
comp.0344	Hsu_44_Gaia5125414998097353600	OB25	360	09:51	+02:36:01.4	-23:30:42	+00:28	1.76	2025B-UA0-G310	1x1	
domeflat.0345	ngc2264_guideupdate2	Na28	7	10:15	+06:41:54.4	+09:27:00	-03:14	1.55	2025B-UA0-S178	2x3	
comp.0346	ngc2264_guideupdate2	Na28	250	10:15	+06:41:54.4	+09:27:00	-03:13	1.55	2025B-UA0-S178	2x3	
ngc2264_guideupdate2_1.0347	ngc2264_guideupdate2	Na28	1200	10:20	+06:41:53.9	+09:27:08	-03:08	1.52	2025B-UA0-S178	2x3	Clear, seeing=.9"
ngc2264_guideupdate2_1.0348	ngc2264_guideupdate2	Na28	1200	10:40	+06:41:53.9	+09:27:08	-02:48	1.40	2025B-UA0-S178	2x3	
ngc2264_guideupdate2_1.0349	ngc2264_guideupdate2	Na28	1200	11:01	+06:41:53.9	+09:27:08	-02:27	1.32	2025B-UA0-S178	2x3	
ngc2264_guideupdate2_1.0350	ngc2264_guideupdate2	Na28	1200	11:21	+06:41:53.9	+09:27:08	-02:07	1.25	2025B-UA0-S178	2x3	
ngc2264_guideupdate2_1.0351	ngc2264_guideupdate2	Na28	1200	11:42	+06:41:53.9	+09:27:08	-01:46	1.19	2025B-UA0-S178	2x3	
comp.0352	ngc2264_guideupdate2	Na28	250	12:02	+06:41:54.4	+09:27:00	-01:26	1.15	2025B-UA0-S178	2x3	
dark.0353	parked	Na28	900	12:40	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
dark.0354	parked	Na28	900	12:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
dark.0355	parked	Na28	900	13:11	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
dark.0356	parked	Na28	900	13:26	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
dark.0357	parked	Na28	900	13:42	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
dark.0358	parked	Na28	900	13:58	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	



MMT OBSERVATORY HECTOCHELLE LOG



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UT Date 09/30/2025 Observers RH

<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.0359	parked	Na28	900	14:14	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	
dark.0360	parked	Na28	900	14:30	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	1x1	