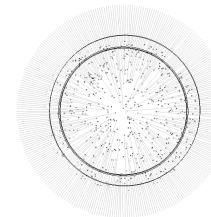




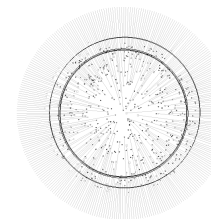
MMT OBSERVATORY HECTOHELLE LOG



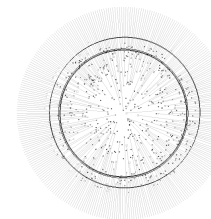
Page 1

UT Date 05/15/2025 Observers SS

<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>
ring250.8950	parked	RV31	0	00:31	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	2x3
ring250.8951	parked	RV31	0	00:31	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.8952	parked	RV31	0	00:31	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.8953	parked	RV31	0	00:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.8954	parked	RV31	0	00:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.8955	parked	RV31	0	00:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.8956	parked	RV31	0	00:33	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.8957	parked	RV31	0	00:33	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.8958	parked	RV31	0	00:33	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.8959	parked	RV31	0	00:34	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.8960	parked	RV31	0	00:34	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.8961	parked	RV31	0	00:35	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	2x1
ring250.8962	parked	RV31	0	00:36	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.8963	parked	RV31	0	00:37	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.8964	parked	RV31	0	00:37	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.8965	parked	RV31	0	00:38	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.8966	parked	RV31	0	00:39	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.8967	parked	RV31	0	00:39	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.8968	parked	RV31	0	00:40	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.8969	parked	RV31	0	00:41	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	

UT Date 05/15/2025 Observers SS

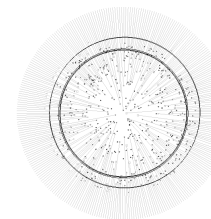
File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
ring250.8970	parked	RV31	0	00:41	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.8971	parked	RV31	0	00:42	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.8972	ring250	RV31	200	00:51	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	RV31 2x3
comp.8973	ring250	RV31	200	00:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
comp.8974	ring250	RV31	200	00:58	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.8975	ring250	RV31	10	01:02	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.8976	ring250	RV31	10	01:03	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.8977	ring250	RV31	10	01:04	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.8978	ring250	OB25	12	01:06	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.8979	ring250	OB25	12	01:07	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.8980	ring250	OB25	12	01:08	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.8981	ring250	OB25	270	01:10	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.8982	ring250	OB25	270	01:15	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.8983	ring250	OB25	270	01:20	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
sflat.8984	ring250	OB25	40	01:53	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	Puffy clouds,OB25 2x1,20-40k counts
sflat.8985	ring250	OB25	30	01:55	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	good counts,puffy clouds
sflat.8986	ring250	OB25	30	01:56	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x1	good counts,puffy clouds
sflat.8987	ring250	RV31	30	01:59	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	RV31 2x3,counts too high,clouds broke apart
sflat.8988	ring250	RV31	15	02:01	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	counts too high
sflat.8989	ring250	RV31	10	02:02	-01:00:00.0	-100:00:00	+00:00	1.00	calibration	2x3	RV31 2x3,good counts,puffy clouds

UT Date 05/15/2025 Observers SS

File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
sflat.8990	ring250	RV31	10	02:03	-01:00:00.0	-100:00:00	+00:00	1.00	calibratio n	2x3	RV31 2x3,good counts,puffy clouds
sflat.8991	ring250	RV31	15	02:04	-01:00:00.0	-100:00:00	+00:00	1.00	calibratio n	2x3	RV31 2x3,mostly clear,good counts
sflat.8992	ring250	RV31	15	02:05	-01:00:00.0	-100:00:00	+00:00	1.00	calibratio n	2x3	RV31 2x3,mostly clear,good counts
sflat.8993	ring250	RV31	20	02:06	-01:00:00.0	-100:00:00	+00:00	1.00	calibratio n	2x3	RV31 2x3,mostly clear,good counts
comp.8994	sextans_2025	RV31	200	03:11	+10:13:02.9	-01:32:08	+01:06	1.25	2025A-SAO- 10	2x3	
sextans_2025_1.8995	sextans_2025	RV31	2700	03:16	+10:13:02.9	-01:32:08	+01:11	1.25	2025A-SAO- 10	2x3	Clear,WFS=1.9"@start but improving, SW wind 10-15mph
sextans_2025_1.8996	sextans_2025	RV31	2700	04:01	+10:13:02.9	-01:32:08	+01:56	1.37	2025A-SAO- 10	2x3	
domeflat.8997	sextans_2025	RV31	10	04:48	+10:13:02.9	-01:32:08	+02:42	1.58	2025A-SAO- 10	2x3	
comp.8998	sextans_2025	RV31	200	04:49	+10:13:02.9	-01:32:08	+02:43	1.59	2025A-SAO- 10	2x3	
tz001497_gf1_1.8999	tz001497_gf1	RV31	840	05:08	+12:34:26.6	-14:00:00	+00:42	1.46	2025A-SAO- 24	2x3	Clear,WFS=1.78"
tz001497_gf1_1.9000	tz001497_gf1	RV31	840	05:23	+12:34:26.6	-14:00:00	+00:56	1.48	2025A-SAO- 24	2x3	
tz001497_gf1_1.9001	tz001497_gf1	RV31	840	05:37	+12:34:26.6	-14:00:00	+01:11	1.52	2025A-SAO- 24	2x3	seeing variable
domeflat.9002	tz001497_gf1	RV31	10	05:52	+12:34:26.6	-14:00:00	+01:26	1.56	2025A-SAO- 24	2x3	
comp.9003	tz001497_gf1	RV31	200	05:53	+12:34:26.6	-14:00:00	+01:27	1.56	2025A-SAO- 24	2x3	
tz002211_gf1_1.9004	tz002211_gf1	RV31	900	06:13	+13:02:18.3	-11:00:24	+01:18	1.46	2025A-SAO- 24	2x3	Clear,WFS=1.99"
tz002211_gf1_1.9005	tz002211_gf1	RV31	900	06:28	+13:02:18.3	-11:00:24	+01:34	1.50	2025A-SAO- 24	2x3	
tz002211_gf1_1.9006	tz002211_gf1	RV31	900	06:43	+13:02:18.3	-11:00:24	+01:49	1.56	2025A-SAO- 24	2x3	seeing very soft
domeflat.9007	tz002211_gf1	RV31	10	06:59	+13:02:18.3	-11:00:24	+02:05	1.63	2025A-SAO- 24	2x3	
comp.9008	tz002211_gf1	RV31	200	07:00	+13:02:18.3	-11:00:24	+02:06	1.64	2025A-SAO- 24	2x3	
tz005152_gf1_1.9009	tz005152_gf1	RV31	1080	07:18	+14:00:08.4	+01:01:24	+01:26	1.25	2025A-SAO- 24	2x3	Clear,WFS=2.46"@start



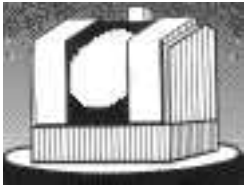
MMT OBSERVATORY HECTOHELLE LOG



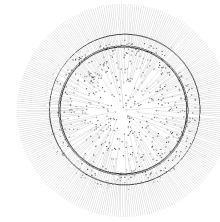
Page 4

UT Date 05/15/2025 Observers SS

File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
tz005152_gf1_1.9010	tz005152_gf1	RV31	1080	07:37	+14:00:08.4	+01:01:24	+01:45	1.29	2025A-SAO-24	2x3	
tz005152_gf1_1.9011	tz005152_gf1	RV31	1080	07:55	+14:00:08.4	+01:01:24	+02:03	1.35	2025A-SAO-24	2x3	seeing seemed to improve (FWHM)
domeflat.9012	tz005152_gf1	RV31	10	08:14	+14:00:08.4	+01:01:24	+02:22	1.42	2025A-SAO-24	2x3	
comp.9013	tz005152_gf1	RV31	200	08:15	+14:00:08.4	+01:01:24	+02:23	1.43	2025A-SAO-24	2x3	
comp.9014	NAP_MMT_fullcatalog_tabs	OB25	270	08:38	+20:52:30.8	+44:18:58	-04:05	1.51	2025A-UAO-G166	2x1	
NAP_MMT_fullcatalog_tabs_1.9015	NAP_MMT_fullcatalog_tabs	OB25	1200	08:43	+20:52:30.8	+44:18:58	-03:59	1.48	2025A-UAO-G166	2x1	Clear,WFS=2.0"
NAP_MMT_fullcatalog_tabs_1.9016	NAP_MMT_fullcatalog_tabs	OB25	1200	09:04	+20:52:30.8	+44:18:58	-03:39	1.39	2025A-UAO-G166	2x1	
NAP_MMT_fullcatalog_tabs_1.9017	NAP_MMT_fullcatalog_tabs	OB25	1200	09:25	+20:52:30.8	+44:18:58	-03:18	1.31	2025A-UAO-G166	2x1	
NAP_MMT_fullcatalog_tabs_1.9018	NAP_MMT_fullcatalog_tabs	OB25	1200	09:45	+20:52:30.8	+44:18:58	-02:57	1.24	2025A-UAO-G166	2x1	seeing very soft
domeflat.9019	NAP_MMT_fullcatalog_tabs	OB25	12	10:07	+20:52:30.8	+44:18:58	-02:35	1.19	2025A-UAO-G166	2x1	
comp.9020	NAP_MMT_fullcatalog_tabs	OB25	270	10:08	+20:52:30.8	+44:18:58	-02:34	1.18	2025A-UAO-G166	2x1	
NAP_MMT_fullcatalog_tabs_1.9021	NAP_MMT_fullcatalog_tabs	OB25	1200	10:14	+20:52:30.8	+44:18:58	-02:28	1.17	2025A-UAO-G166	2x1	sky exposure,no guiding
NAP_MMT_fullcatalog_tabs_1.9022	NAP_MMT_fullcatalog_tabs	OB25	1200	10:36	+20:52:30.8	+44:18:58	-02:07	1.13	2025A-UAO-G166	2x1	seeing much better
NAP_MMT_fullcatalog_tabs_1.9023	NAP_MMT_fullcatalog_tabs	OB25	1200	10:56	+20:52:30.8	+44:18:58	-01:46	1.09	2025A-UAO-G166	2x1	
dark.9024	parked	RV31	900	11:51	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
dark.9025	parked	RV31	900	12:06	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
dark.9026	parked	RV31	900	12:22	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
dark.9027	parked	RV31	900	12:37	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
dark.9028	parked	RV31	900	12:53	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
dark.9029	parked	RV31	900	13:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	



MMT OBSERVATORY HECTOCHELLE LOG



Page 5

UT Date 05/15/2025 Observers SS

<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.9030	parked	RV31	900	13:25	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
dark.9031	parked	RV31	900	13:40	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
dark.9032	parked	RV31	900	13:56	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
dark.9033	parked	RV31	900	14:11	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
dark.9034	parked	RV31	900	14:27	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
dark.9035	parked	RV31	900	14:43	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	