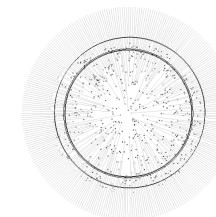


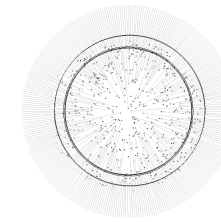
UT Date 01/01/2024 Observers SS

File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
bias.2352	parked	RV31	0	23:51	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
bias.2353	parked	RV31	0	23:51	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
bias.2354	parked	RV31	0	23:52	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
bias.2355	parked	RV31	0	23:53	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
bias.2356	parked	RV31	0	23:53	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
bias.2357	parked	RV31	0	23:54	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
bias.2358	parked	RV31	0	23:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
bias.2359	parked	RV31	0	23:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
bias.2360	parked	RV31	0	23:56	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
bias.2361	parked	RV31	0	23:57	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
bias.2362	parked	RV31	0	23:57	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
sflat.2363	ring250	Na28	10	00:16	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	counts too low
sflat.2364	ring250	Na28	25	00:18	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	Na28 2x1,clear,6-8k counts
sflat.2365	ring250	Na28	40	00:19	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	Na28 2x1,clear,8-10k counts
sflat.2366	ring250	Na28	50	00:21	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	10-12k counts
sflat.2367	ring250	Na28	60	00:22	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	Na28 2x1,mostly clear,10-12k counts
sflat.2368	ring250	Na28	80	00:24	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	10-15k counts
sflat.2369	ring250	RV31	60	00:28	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	RV31 2x3,clear,20-40k counts,droppi ng exp time down
sflat.2370	ring250	RV31	30	00:30	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	RV31 2x3,clear,15-20k counts
sflat.2371	ring250	RV31	30	00:31	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	



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File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
sflat.2372	ring250	RV31	35	00:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
comp.2373	ring250	Na28	240	00:40	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
comp.2374	ring250	Na28	240	00:45	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
comp.2375	ring250	Na28	240	00:49	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
domeflat.2376	ring250	Na28	25	00:57	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
domeflat.2377	ring250	Na28	25	00:58	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
domeflat.2378	ring250	Na28	25	01:00	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
domeflat.2379	ring250	RV31	10	01:03	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
comp.2380	ring250	RV31	180	01:04	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
tc000215_gf1_1.2381	tc000215_gf1	RV31	600	01:33	+01:20:56.5	+37:17:03	-00:31	1.01	2023B-SA0- 15	2x3	thin clouds passing overhead,WFS=1.55"
tc000215_gf1_1.2382	tc000215_gf1	RV31	600	01:43	+01:20:56.5	+37:17:03	-00:21	1.00	2023B-SA0- 15	2x3	
tc000215_gf1_1.2383	tc000215_gf1	RV31	600	01:54	+01:20:56.5	+37:17:03	-00:10	1.00	2023B-SA0- 15	2x3	
comp.2384	tc000215_gf1	RV31	180	02:04	+01:20:56.5	+37:17:03	-00:00	1.00	2023B-SA0- 15	2x3	
domeflat.2385	tc000215_gf1	RV31	10	02:08	+01:20:56.5	+37:17:03	+00:03	1.00	2023B-SA0- 15	2x3	
ta010636_gf1_1.2386	ta010636_gf1	RV31	1200	04:39	+07:43:22.4	+24:59:12	-03:47	1.55	2023B-SA0- 15	2x3	Clear,WFS= 2.6" @start
ta010636_gf1_1.2387	ta010636_gf1	RV31	1200	04:59	+07:43:22.4	+24:59:12	-03:27	1.43	2023B-SA0- 15	2x3	SE wind 25-30mph, pointed East,seeing (FWHM): 1.5"
ta010636_gf1_1.2388	ta010636_gf1	RV31	1200	05:20	+07:43:22.4	+24:59:12	-03:06	1.33	2023B-SA0- 15	2x3	
ta010636_gf1_1.2389	ta010636_gf1	RV31	1200	05:45	+07:43:22.4	+24:59:12	-02:41	1.23	2023B-SA0- 15	2x3	
comp.2390	ta010636_gf1	RV31	180	06:06	+07:43:22.4	+24:59:12	-02:20	1.17	2023B-SA0- 15	2x3	
domeflat.2391	ta010636_gf1	RV31	10	06:10	+07:43:22.4	+24:59:12	-02:16	1.16	2023B-SA0- 15	2x3	

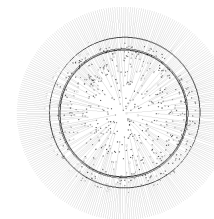


UT Date 01/01/2024 Observers SS

File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
ta014202_gf1_1.2392	ta014202_gf1	RV31	1380	06:31	+07:46:24.9	+45:59:54	-01:58	1.12	2023B-SAO-15	2x3	Clear,WFS= 2.0",SE wind 25-30mph
ta014202_gf1_1.2393	ta014202_gf1	RV31	1380	06:55	+07:46:24.9	+45:59:54	-01:34	1.08	2023B-SAO-15	2x3	
ta014202_gf1_1.2394	ta014202_gf1	RV31	1380	07:18	+07:46:24.9	+45:59:54	-01:11	1.06	2023B-SAO-15	2x3	
comp.2396	ta014202_gf1	RV31	180	07:44	+07:46:24.9	+45:59:54	-00:45	1.04	2023B-SAO-15	2x3	
domeflat.2397	ta014202_gf1	RV31	10	07:48	+07:46:24.9	+45:59:54	-00:41	1.04	2023B-SAO-15	2x3	
tc000121_gf1_1.2398	tc000121_gf1	RV31	1080	08:15	+10:42:44.4	+46:03:51	-03:10	1.28	2023B-SAO-15	2x3	Clear,WFS= 1.73"
tc000121_gf1_1.2399	tc000121_gf1	RV31	1080	08:33	+10:42:44.4	+46:03:51	-02:51	1.23	2023B-SAO-15	2x3	
tc000121_gf1_1.2400	tc000121_gf1	RV31	1080	08:52	+10:42:44.4	+46:03:51	-02:33	1.18	2023B-SAO-15	2x3	
comp.2401	tc000121_gf1	RV31	180	09:12	+10:42:44.4	+46:03:51	-02:13	1.14	2023B-SAO-15	2x3	
domeflat.2402	tc000121_gf1	RV31	10	09:15	+10:42:44.4	+46:03:51	-02:09	1.14	2023B-SAO-15	2x3	
ta013451_gf1_1.2403	ta013451_gf1	RV31	840	09:44	+08:21:13.9	+40:00:18	+00:40	1.02	2023B-SAO-15	2x3	Clear,WFS= 1.07"
ta013451_gf1_1.2404	ta013451_gf1	RV31	840	09:58	+08:21:13.9	+40:00:18	+00:54	1.02	2023B-SAO-15	2x3	
ta013451_gf1_1.2405	ta013451_gf1	RV31	840	10:12	+08:21:13.9	+40:00:18	+01:08	1.04	2023B-SAO-15	2x3	pointed NW, SE wind 35-40mph
comp.2406	ta013451_gf1	RV31	180	10:28	+08:21:13.9	+40:00:18	+01:23	1.05	2023B-SAO-15	2x3	
domeflat.2407	ta013451_gf1	RV31	10	10:31	+08:21:13.9	+40:00:18	+01:27	1.06	2023B-SAO-15	2x3	
dark.2408	ta013451_gf1	RV31	900	10:41	-01:00:00.0	-100:00:00	+00:00	1.00	2023B-SAO-15	2x3	RV31 2x3
dark.2409	ta013451_gf1	RV31	900	10:56	-01:00:00.0	-100:00:00	+00:00	1.00	2023B-SAO-15	2x3	
dark.2410	ta013451_gf1	RV31	900	11:12	-01:00:00.0	-100:00:00	+00:00	1.00	2023B-SAO-15	2x3	
ta013448_gf1_1.2411	ta013448_gf1	RV31	900	12:21	+08:05:38.7	+40:00:30	+03:33	1.37	2023B-SAO-15	2x3	Mostly clear,WFS= 1.35",SE wind 35-40mph,pointing NW
ta013448_gf1_1.2412	ta013448_gf1	RV31	900	12:36	+08:05:38.7	+40:00:30	+03:48	1.44	2023B-SAO-15	2x3	



MMT OBSERVATORY HECTOHELLE LOG



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<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>
ta013448_gf1_1.2413	ta013448_gf1	RV31	900	12:52	+08:05:38.7	+40:00:30	+04:03	1.52	2023B-SAO-15	2x3	
comp.2414	ta013448_gf1	RV31	180	13:07	+08:05:38.7	+40:00:30	+04:19	1.62	2023B-SAO-15	2x3	
domeflat.2415	ta013448_gf1	RV31	10	13:11	+08:05:38.7	+40:00:30	+04:23	1.65	2023B-SAO-15	2x3	