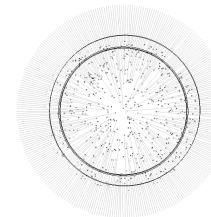




MMT OBSERVATORY HECTOCHELLE LOG



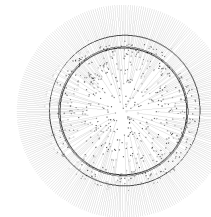
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UT Date 12/16/2025 Observers RH

<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>
domeflat.1289	ring250	Na28	12	23:25	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	Na28 2x1
domeflat.1290	ring250	Na28	12	23:26	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1291	ring250	Na28	12	23:27	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1292	ring250	Na28	12	23:28	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1293	ring250	Na28	12	23:29	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1294	ring250	Na28	12	23:30	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1295	ring250	Na28	12	23:31	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.1296	ring250	Na28	240	23:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.1297	ring250	Na28	240	23:37	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.1298	ring250	Na28	240	23:41	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.1299	ring250	Ca41	250	23:49	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	Ca41 2x1
comp.1300	ring250	Ca41	250	23:53	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.1301	ring250	Ca41	250	23:58	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1302	ring250	Ca41	200	00:05	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1303	ring250	Ca41	200	00:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1304	ring250	Ca41	200	00:14	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1305	ring250	Ca41	200	00:18	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1306	ring250	Ca41	200	00:22	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1307	ring250	Ca41	200	00:26	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1308	ring250	Ca41	200	00:30	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	



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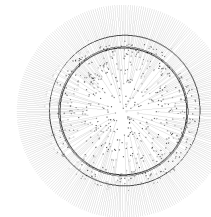
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UT Date 12/16/2025 Observers RH

<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>
domeflat.1309	ring250	OB25	12	00:36	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	OB25 2x1
domeflat.1310	ring250	OB25	12	00:37	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1311	ring250	OB25	12	00:38	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1312	ring250	OB25	12	00:39	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1313	ring250	OB25	12	00:40	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1314	ring250	OB25	12	00:41	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.1315	ring250	OB25	12	00:42	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.1316	ring250	OB25	240	00:44	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.1317	ring250	OB25	240	00:48	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.1318	ring250	OB25	240	00:53	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.1319	ring250	OB25	180	00:58	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	OB25 2x3
comp.1320	ring250	OB25	180	01:01	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
comp.1321	ring250	OB25	180	01:05	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.1322	ring250	OB25	3	01:08	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.1323	ring250	OB25	3	01:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.1324	ring250	OB25	3	01:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.1325	ring250	OB25	3	01:10	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.1326	ring250	OB25	3	01:11	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.1327	ring250	OB25	3	01:11	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
domeflat.1328	ring250	OB25	3	01:12	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	



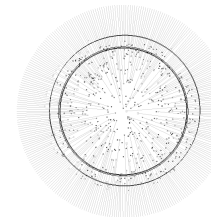
MMT OBSERVATORY HECTOCHELLE LOG



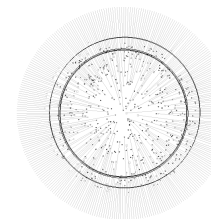
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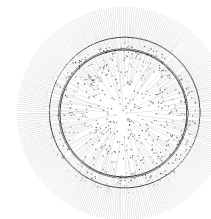
File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
ring250.1329	ring250	OB25	0	01:18	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	2x3
ring250.1330	ring250	OB25	0	01:18	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.1331	ring250	OB25	0	01:19	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.1332	ring250	OB25	0	01:19	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.1333	ring250	OB25	0	01:19	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.1334	ring250	OB25	0	01:20	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.1335	ring250	OB25	0	01:20	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.1336	ring250	OB25	0	01:20	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.1337	ring250	OB25	0	01:21	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.1338	ring250	OB25	0	01:21	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x3	
ring250.1339	ring250	OB25	0	01:22	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	2x1
ring250.1340	ring250	OB25	0	01:22	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.1341	ring250	OB25	0	01:23	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.1342	ring250	OB25	0	01:24	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.1343	ring250	OB25	0	01:24	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.1344	ring250	OB25	0	01:25	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.1345	ring250	OB25	0	01:26	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.1346	ring250	OB25	0	01:26	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.1347	ring250	OB25	0	01:27	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
ring250.1348	ring250	OB25	0	01:28	-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.1349	g70f1_faint	Ca41	200	01:59	+21:25:15.7	+18:31:02	+02:49	1.31	2025B-SAO-7	2x1	
comp.1350	g70f1_faint	Ca41	250	02:04	+21:25:15.7	+18:31:02	+02:54	1.32	2025B-SAO-7	2x1	
g70f1_faint.2.1351	g70f1_faint	Ca41	1800	02:10	+21:25:15.7	+18:31:02	+03:00	1.35	2025B-SAO-7	2x1	Clear, seeing=1"
g70f1_faint.2.1352	g70f1_faint	Ca41	1800	02:40	+21:25:15.7	+18:31:02	+03:30	1.52	2025B-SAO-7	2x1	
g70f1_faint.2.1353	g70f1_faint	Ca41	1800	03:11	+21:25:15.7	+18:31:02	+04:01	1.76	2025B-SAO-7	2x1	
comp.1354	g70f1_faint	Ca41	250	03:42	+21:25:15.7	+18:31:02	+04:32	2.13	2025B-SAO-7	2x1	
hb9f1_faint.1.1355	hb9f1_faint	Na28	720	04:02	+04:58:09.4	+46:39:48	-02:40	1.20	2025B-SAO-7	2x1	Clear, seeing=.7"
hb9f1_faint.1.1356	hb9f1_faint	Na28	720	04:15	+04:58:09.4	+46:39:48	-02:28	1.17	2025B-SAO-7	2x1	
hb9f1_faint.1.1357	hb9f1_faint	Na28	720	04:27	+04:58:09.4	+46:39:48	-02:15	1.15	2025B-SAO-7	2x1	
domeflat.1358	hb9f1_faint	Na28	20	04:41	+04:58:09.4	+46:39:48	-02:02	1.13	2025B-SAO-7	2x1	
comp.1359	hb9f1_faint	Na28	240	04:42	+04:58:09.4	+46:39:48	-02:00	1.12	2025B-SAO-7	2x1	
g159f1_faint.2.1360	g159f1_faint	Na28	360	05:00	+05:27:58.7	+50:29:24	-02:13	1.16	2025B-SAO-7	2x1	Clear, seeing=.9"
g159f1_faint.2.1361	g159f1_faint	Na28	360	05:06	+05:27:58.7	+50:29:24	-02:06	1.15	2025B-SAO-7	2x1	
g159f1_faint.2.1362	g159f1_faint	Na28	360	05:13	+05:27:58.7	+50:29:24	-01:59	1.14	2025B-SAO-7	2x1	
domeflat.1363	g159f1_faint	Na28	20	05:20	+05:27:58.7	+50:29:24	-01:52	1.13	2025B-SAO-7	2x1	
comp.1364	g159f1_faint	Na28	240	05:22	+05:27:58.7	+50:29:24	-01:50	1.13	2025B-SAO-7	2x1	
domeflat.1365	ngc2264_guideupdate2	OB25	4	05:42	+06:40:43.3	+09:24:54	-02:42	1.38	2025B-UA0-S178	2x3	
comp.1366	ngc2264_guideupdate2	OB25	180	05:43	+06:40:43.3	+09:24:54	-02:41	1.37	2025B-UA0-S178	2x3	
ngc2264_guideupdate2.2.1367	ngc2264_guideupdate2	OB25	1200	05:47	+06:40:43.3	+09:24:54	-02:37	1.36	2025B-UA0-S178	2x3	Clear, seeing=1"
ngc2264_guideupdate2.2.1368	ngc2264_guideupdate2	OB25	1200	06:07	+06:40:43.3	+09:24:54	-02:17	1.28	2025B-UA0-S178	2x3	

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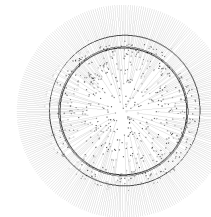
File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
ngc2264_guideupdate2.2.1369	ngc2264_guideupdate2	OB25	1200	06:28	+06:40:43.3	+09:24:54	-01:57	1.22	2025B-UA0-S178	2x3	
comp.1370	ngc2264_guideupdate2	OB25	180	06:48	+06:40:43.3	+09:24:54	-01:36	1.17	2025B-UA0-S178	2x3	
domeflat.1371	Dol25_F2	RV31	50	07:09	+06:44:47.1	+00:10:33	-01:19	1.24	2025B-SAO-1	1x1	
comp.1372	Dol25_F2	RV31	300	07:11	+06:44:47.1	+00:10:33	-01:17	1.24	2025B-SAO-1	1x1	
Dol25_F2_1.1373	Dol25_F2	RV31	2400	07:18	+06:44:47.1	+00:10:33	-01:10	1.23	2025B-SAO-1	1x1	Clear, seeing=.9"
Dol25_F2_1.1374	Dol25_F2	RV31	2400	07:59	+06:44:47.1	+00:10:33	-00:29	1.18	2025B-SAO-1	1x1	
Dol25_F2_1.1375	Dol25_F2	RV31	2400	08:40	+06:44:47.1	+00:10:33	+00:11	1.17	2025B-SAO-1	1x1	
Dol25_F2_1.1376	Dol25_F2	RV31	2400	09:21	+06:44:47.1	+00:10:33	+00:52	1.20	2025B-SAO-1	1x1	
comp.1377	Dol25_F2	RV31	300	10:02	+06:44:47.1	+00:10:33	+01:34	1.27	2025B-SAO-1	1x1	
domeflat.1378	monocerosf1_faint	Ca41	200	10:22	+06:39:10.4	+06:31:39	+02:00	1.26	2025B-SAO-7	2x1	
comp.1379	monocerosf1_faint	Ca41	250	10:27	+06:39:10.4	+06:31:39	+02:04	1.27	2025B-SAO-7	2x1	
monocerosf1_faint_1.1380	monocerosf1_faint	Ca41	720	10:32	+06:39:10.4	+06:31:39	+02:09	1.29	2025B-SAO-7	2x1	Clear, seeing=1.1"
monocerosf1_faint_1.1381	monocerosf1_faint	Ca41	720	10:45	+06:39:10.4	+06:31:39	+02:22	1.33	2025B-SAO-7	2x1	
monocerosf1_faint_1.1382	monocerosf1_faint	Ca41	720	10:57	+06:39:10.4	+06:31:39	+02:34	1.39	2025B-SAO-7	2x1	
monocerosf1_faint_1.1383	monocerosf1_faint	Ca41	720	11:10	+06:39:10.4	+06:31:39	+02:47	1.45	2025B-SAO-7	2x1	
comp.1384	monocerosf1_faint	Ca41	250	11:23	+06:39:10.4	+06:31:39	+03:00	1.52	2025B-SAO-7	2x1	
domeflat.1385	m101_snr	OB25	12	11:44	+14:03:05.8	+54:24:17	-04:01	1.48	2025B-SAO-7	2x1	
comp.1386	m101_snr	OB25	240	11:45	+14:03:05.8	+54:24:17	-04:00	1.48	2025B-SAO-7	2x1	
m101_snr_2.1387	m101_snr	OB25	1200	11:50	+14:03:05.8	+54:24:17	-03:55	1.46	2025B-SAO-7	2x1	Clear, seeing=1.1"
m101_snr_2.1388	m101_snr	OB25	1200	12:11	+14:03:05.8	+54:24:17	-03:34	1.38	2025B-SAO-7	2x1	

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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>
m101_snr.2.1389	m101_snr	OB25	1200	12:31	+14:03:05.8	+54:24:17	-03:13	1.32	2025B-SAO-7	2x1	
comp.1390	m101_snr	OB25	240	12:53	+14:03:05.8	+54:24:17	-02:52	1.26	2025B-SAO-7	2x1	
domeflat.1391	ring250	RV31	50	13:14	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	RV31 1x1
domeflat.1392	ring250	RV31	50	13:16	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.1393	ring250	RV31	50	13:17	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.1394	ring250	RV31	50	13:19	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.1395	ring250	RV31	50	13:21	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.1396	ring250	RV31	50	13:23	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.1397	ring250	RV31	50	13:25	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
comp.1398	ring250	RV31	300	13:28	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
comp.1399	ring250	RV31	300	13:34	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
comp.1400	ring250	RV31	300	13:40	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.1401	ring250	RV31	0	13:46	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.1402	ring250	RV31	0	13:47	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.1403	ring250	RV31	0	13:48	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.1404	ring250	RV31	0	13:49	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.1405	ring250	RV31	0	13:50	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.1406	ring250	RV31	0	13:51	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.1407	ring250	RV31	0	13:52	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.1408	ring250	RV31	0	13:53	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	



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UT Date 12/16/2025 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>
ring250.1409	ring250	RV31	0	13:54	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.1410	ring250	RV31	0	13:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
dark.1411	ring250	RV31	900	14:13	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
dark.1412	ring250	RV31	900	14:29	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
dark.1413	ring250	RV31	900	14:45	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
dark.1414	ring250	RV31	900	15:00	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
dark.1415	ring250	RV31	900	15:16	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
dark.1416	ring250	RV31	900	15:33	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	