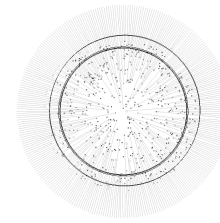
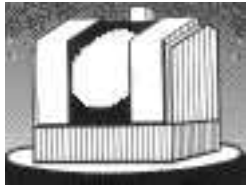
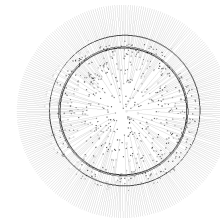
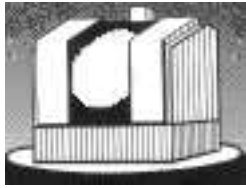
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<i>File</i>	<i>Title</i>	<i>Filt</i>	<i>Exp</i>	<i>UT</i>	<i>RA</i>	<i>Dec</i>	<i>HA</i>	<i>Air</i>	<i>Prop</i>	<i>Bin</i>	<i>Comments</i>
ring250.4552	parked	Na28	0	22:28	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	1x1 bias
ring250.4553	parked	Na28	0	22:29	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.4554	parked	Na28	0	22:30	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.4555	parked	Na28	0	22:31	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.4556	parked	RV31	0	22:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.4557	parked	RV31	0	22:33	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.4558	parked	RV31	0	22:34	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.4559	parked	RV31	0	22:35	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.4560	parked	RV31	0	22:36	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.4561	parked	RV31	0	22:37	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
ring250.4562	ring250	RV31	0	22:38	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	2x1 bias
ring250.4563	ring250	RV31	0	22:39	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
ring250.4564	ring250	RV31	0	22:40	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
ring250.4565	ring250	RV31	0	22:40	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
ring250.4566	ring250	RV31	0	22:41	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
ring250.4567	ring250	RV31	0	22:42	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
ring250.4568	ring250	RV31	0	22:42	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
ring250.4569	ring250	RV31	0	22:43	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
ring250.4570	ring250	RV31	0	22:44	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
ring250.4571	ring250	RV31	0	22:44	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	

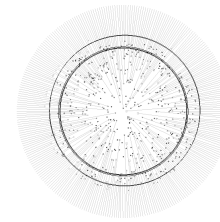
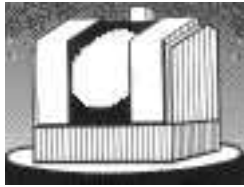
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File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
ring250.4572	ring250	RV31	0	22:46	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	2x3 bias
ring250.4573	ring250	RV31	0	22:46	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
ring250.4574	ring250	RV31	0	22:46	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
ring250.4575	ring250	RV31	0	22:47	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
ring250.4576	ring250	RV31	0	22:47	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
ring250.4577	ring250	RV31	0	22:47	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
ring250.4578	ring250	RV31	0	22:48	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
ring250.4579	ring250	RV31	0	22:48	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
ring250.4580	ring250	RV31	0	22:48	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
ring250.4581	ring250	RV31	0	22:49	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
domeflat.4582	ring250	RV31	8	22:51	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	RV31 2x3
domeflat.4583	ring250	RV31	8	22:52	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
domeflat.4584	ring250	RV31	8	22:52	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
domeflat.4585	ring250	RV31	8	22:53	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
domeflat.4586	ring250	RV31	8	22:54	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
domeflat.4587	ring250	RV31	8	22:54	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
domeflat.4588	ring250	RV31	8	22:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
comp.4589	ring250	RV31	150	22:56	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
comp.4590	ring250	RV31	150	22:58	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	
comp.4591	ring250	RV31	150	23:01	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	



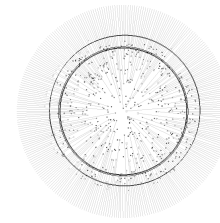
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File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
domeflat.4592	ring250	Na28	20	23:07	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	Na28 2x1
domeflat.4593	ring250	Na28	20	23:08	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4594	ring250	Na28	20	23:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4595	ring250	Na28	20	23:10	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4596	ring250	Na28	20	23:11	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4597	ring250	Na28	20	23:12	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4598	ring250	Na28	20	23:13	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.4599	ring250	Na28	240	23:15	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.4600	ring250	Na28	240	23:19	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.4601	ring250	Na28	240	23:24	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4602	ring250	OB32	30	23:31	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	OB32 2x1; counts l
domeflat.4603	ring250	OB32	35	23:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	Counts still too low
domeflat.4604	ring250	OB32	40	23:34	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	Counts good!
domeflat.4605	ring250	OB32	40	23:36	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4606	ring250	OB32	40	23:37	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4607	ring250	OB32	40	23:39	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4608	ring250	OB32	40	23:40	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4609	ring250	OB32	40	23:42	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
domeflat.4610	ring250	OB32	40	23:43	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	
comp.4611	ring250	OB32	250	23:45	-01:00:00.0	-100:00:00	-00:00	1.00	calibration	2x1	Maybe a little bright, but seems fine???



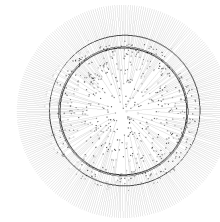
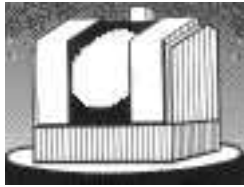
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File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
comp.4612	ring250	OB32	250	23:50	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
comp.4613	ring250	OB32	250	23:55	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
domeflat.4614	ring250	OB21	20	00:02	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	OB21 1x1
domeflat.4615	ring250	OB21	20	00:03	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4616	ring250	OB21	20	00:05	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4617	ring250	OB21	20	00:06	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4618	ring250	OB21	20	00:08	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4619	ring250	OB21	20	00:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4620	ring250	OB21	20	00:11	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
sflat.4621	ring250	OB25	50	00:29	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	OB25 1x1; counts good 20,000
sflat.4622	ring250	OB25	55	00:31	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	Counts 20,000
sflat.4623	ring250	OB25	60	00:33	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	Counts 20,000
sflat.4624	ring250	Na28	50	00:37	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	Na28 2x1; Counts a bit low; 15,000
sflat.4625	ring250	Na28	65	00:39	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	Counts 20,000
sflat.4626	ring250	Na28	75	00:41	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	Counts 20,000
sflat.4627	ring250	RV31	40	00:45	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	RV31 2x3; Counts too high
sflat.4628	ring250	RV31	30	00:46	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	Counts 20,000
sflat.4629	ring250	RV31	30	00:47	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	Counts 20,000
sflat.4630	ring250	RV31	30	00:48	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	Counts 20,000
sflat.4631	ring250	RV31	35	00:49	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x3	Counts 20,000

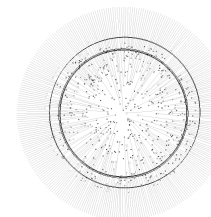


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File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
comp.4632	ring250	OB21	240	00:58	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	BAD - wrong binning; sorry
comp.4634	ring250	OB21	240	01:05	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	OB21 1x1
comp.4635	ring250	OB21	240	01:10	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
comp.4636	ring250	OB21	240	01:15	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4637	ring250	OB25	20	01:22	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	OB25 1x1
domeflat.4638	ring250	OB25	20	01:23	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4639	ring250	OB25	20	01:24	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4640	ring250	OB25	20	01:26	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4641	ring250	OB25	20	01:27	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4642	ring250	OB25	20	01:29	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4643	ring250	OB25	20	01:30	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
comp.4644	ring250	OB25	360	01:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
comp.4645	ring250	OB25	360	01:39	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
comp.4646	ring250	OB25	360	01:46	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	1x1	
domeflat.4647	mag_001_b	Na28	20	02:21	+23:35:23.4	+06:34:22	-02:42	1.42	2024B-SA0- 29	2x1	
comp.4648	mag_001_b	Na28	240	02:22	+23:35:23.4	+06:34:22	-02:41	1.41	2024B-SA0- 29	2x1	
mag_001_b.1.4649	mag_001_b	Na28	1200	02:27	+23:35:23.1	+06:34:26	-02:36	1.39	2024B-SA0- 29	2x1	Clear; WFS=2.08"
mag_001_b.1.4650	mag_001_b	Na28	1200	02:48	+23:35:23.1	+06:34:26	-02:15	1.31	2024B-SA0- 29	2x1	
mag_001_b.1.4651	mag_001_b	Na28	1200	03:09	+23:35:23.1	+06:34:26	-01:54	1.24	2024B-SA0- 29	2x1	
mag_001_b.1.4652	mag_001_b	Na28	1200	03:29	+23:35:23.1	+06:34:26	-01:33	1.19	2024B-SA0- 29	2x1	Extra exp for poor seeing

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comp.4653	mag_001_b	Na28	240	03:50	+23:35:23.4	+06:34:22	-01:12	1.15	2024B-SAO-29	2x1	
domeflat.4654	mag_002_b	Na28	20	04:13	+23:28:07.8	+10:57:59	-00:42	1.08	2024B-SAO-29	2x1	
comp.4655	mag_002_b	Na28	240	04:15	+23:28:07.8	+10:57:59	-00:41	1.08	2024B-SAO-29	2x1	
mag_002_b.1.4656	mag_002_b	Na28	1200	04:20	+23:28:07.6	+10:58:03	-00:36	1.08	2024B-SAO-29	2x1	Clear; WFS=2.02"; aborted rest of queue for wind
domeflat.4658	g150f1_bright	Ca41	200	05:40	+04:28:59.1	+55:09:41	-04:17	1.55	2024B-SAO-9	2x1	
comp.4659	g150f1_bright	Ca41	250	05:44	+04:28:59.1	+55:09:41	-04:12	1.53	2024B-SAO-9	2x1	
g150f1_bright_3.4660	g150f1_bright	Ca41	720	05:50	+04:28:58.5	+55:09:42	-04:07	1.51	2024B-SAO-9	2x1	Clear; WFS=2.13"
g150f1_bright_3.4661	g150f1_bright	Ca41	720	06:02	+04:28:58.5	+55:09:42	-03:55	1.46	2024B-SAO-9	2x1	
g150f1_bright_3.4662	g150f1_bright	Ca41	720	06:15	+04:28:58.5	+55:09:42	-03:42	1.41	2024B-SAO-9	2x1	
g150f1_bright_3.4663	g150f1_bright	Ca41	720	06:28	+04:28:58.5	+55:09:42	-03:29	1.37	2024B-SAO-9	2x1	Extra exp for poor seeing
comp.4664	g150f1_bright	Ca41	250	06:42	+04:28:59.1	+55:09:41	-03:15	1.33	2024B-SAO-9	2x1	
domeflat.4665	g150f1_faint	Ca41	200	07:04	+04:25:03.5	+54:49:28	-02:49	1.26	2024B-SAO-9	2x1	
comp.4666	g150f1_faint	Ca41	250	07:08	+04:25:03.5	+54:49:28	-02:44	1.25	2024B-SAO-9	2x1	
g150f1_faint_1.4667	g150f1_faint	Ca41	3000	07:13	+04:25:03.4	+54:49:24	-02:39	1.24	2024B-SAO-9	2x1	Clear; WFS=2.26"
g150f1_faint_1.4668	g150f1_faint	Ca41	3000	08:04	+04:25:03.4	+54:49:24	-01:48	1.15	2024B-SAO-9	2x1	
g150f1_faint_1.4669	g150f1_faint	Ca41	3000	08:55	+04:25:03.4	+54:49:24	-00:58	1.10	2024B-SAO-9	2x1	
comp.4670	g150f1_faint	Ca41	250	09:46	+04:25:03.5	+54:49:28	-00:06	1.08	2024B-SAO-9	2x1	
domeflat.4671	g150f1_bright	Ca41	200	10:08	+04:28:58.3	+55:09:46	+00:11	1.09	2024B-SAO-9	2x1	
comp.4672	g150f1_bright	Ca41	250	10:12	+04:28:58.3	+55:09:46	+00:15	1.09	2024B-SAO-9	2x1	
g150f1_bright_3.4673	g150f1_bright	Ca41	720	10:17	+04:28:58.5	+55:09:42	+00:20	1.09	2024B-SAO-9	2x1	Clear; WFS=1.44"

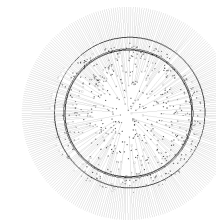


UT Date 10/20/2024 Observers KS

File	Title	Filt	Exp	UT	RA	Dec	HA	Air	Prop	Bin	Comments
g150f1_bright_3.4674	g150f1_bright	Ca41	720	10:30	+04:28:58.5	+55:09:42	+00:33	1.09	2024B-SA0-9	2x1	
g150f1_bright_3.4675	g150f1_bright	Ca41	720	10:43	+04:28:58.5	+55:09:42	+00:46	1.10	2024B-SA0-9	2x1	
g150f1_bright_3.4676	g150f1_bright	Ca41	720	10:55	+04:28:58.5	+55:09:42	+00:58	1.11	2024B-SA0-9	2x1	Extra exp for end of night timing
comp.4677	g150f1_bright	Ca41	250	11:08	+04:28:58.3	+55:09:46	+01:11	1.11	2024B-SA0-9	2x1	
domeflat.4678	g159f1_bright	Ca41	200	11:27	+05:27:56.2	+49:30:26	+00:31	1.05	2024B-SA0-9	2x1	
comp.4679	g159f1_bright	Ca41	250	11:31	+05:27:56.2	+49:30:26	+00:36	1.05	2024B-SA0-9	2x1	
g159f1_bright_1.4680	g159f1_bright	Ca41	720	11:36	+05:27:56.3	+49:30:21	+00:41	1.06	2024B-SA0-9	2x1	Clear; WFS=1.51"
g159f1_bright_1.4681	g159f1_bright	Ca41	720	11:49	+05:27:56.3	+49:30:21	+00:53	1.06	2024B-SA0-9	2x1	
g159f1_bright_1.4682	g159f1_bright	Ca41	720	12:02	+05:27:56.3	+49:30:21	+01:06	1.07	2024B-SA0-9	2x1	
g159f1_bright_1.4683	g159f1_bright	Ca41	720	12:14	+05:27:56.3	+49:30:21	+01:19	1.08	2024B-SA0-9	2x1	Extra exp for end of night timing
comp.4684	g159f1_bright	Ca41	250	12:27	+05:27:56.2	+49:30:26	+01:32	1.10	2024B-SA0-9	2x1	
domeflat.4685	ring250	Ca41	200	12:53	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio	2x1	Ca41 2x1
domeflat.4686	ring250	Ca41	200	12:57	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio	2x1	
domeflat.4687	ring250	Ca41	200	13:01	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio	2x1	
domeflat.4688	ring250	Ca41	200	13:05	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio	2x1	
domeflat.4689	ring250	Ca41	200	13:09	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio	2x1	
domeflat.4690	ring250	Ca41	200	13:14	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio	2x1	
domeflat.4691	ring250	Ca41	200	13:18	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio	2x1	
comp.4692	ring250	Ca41	250	13:22	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio	2x1	
comp.4693	ring250	Ca41	250	13:27	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio	2x1	



MMT OBSERVATORY HECTOHELLE LOG



UT Date 10/20/2024 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>
comp.4694	ring250	Ca41	250	13:32	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
dark.4695	ring250	Ca41	900	13:59	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
dark.4696	ring250	Ca41	900	14:15	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	
dark.4697	ring250	Ca41	900	14:30	-01:00:00.0	-100:00:00	-00:00	1.00	calibratio n	2x1	