Sat Oct 17th (Oct 18th UT)	Weather: Clear, particles				Focus: 368					
Observer:	**Graduate Student Observational Astronomy Workshop**									
Detector:	**CCD2**									
Read Mode:	**bin x2, slow**									
Exposure No	**Object**	**RA**	**Dec**	**HA**	**Airmass**	**Filter**	**Exp Time (s)**	**Time (UT)**	**Notes**		
100-110	bias	-	-	-	-	-	0	20:48			
111-115	dome flat	-	-	-	-	I	4	21:08	dome flat lamps	39K counts	
116-120	dome flat	-	-	-	-	R	6	20:12	dome flat lamps	38K counts	
121-125	dome flat	-	-	-	-	V	25	20:18	dome flat lamps	34-35K counts	
126-130	dome flat	-	-	-	-	B	300	20:41	dome flat lamps	39K counts	
131-134	NGC 7331	22:37:04	34:24:59	0:04:00	1	B	120	5:00	particles sadness	particle happiness!, 30% occulted	
135-137	NGC 7331	22:37:04	34:24:59	0:20:00	1	V	120	5:15	Supernova		
138-140	NGC 7331	22:37:04	34:24:59	0:23:11	1	R	120	5:20	You're welcome group 1		
141-143	NGC 7331	22:37:04	34:24:59	0:31	1.01	I	120	5:28			
	Saturn					B					
144-148	NGC 7027	21:07:02	42:14:10	3:24	1.29	B	60	6:53	group 2		
149-153	NGC 7027	21:07:02	42:14:10	3:34	1.32	V	60	7:02			
154-158	NGC 7027	21:07:02	42:14:10	3:43	1.35	R	40	7:09			
159-163	NGC 7027	21:07:02	42:14:10	3:49	1.38	I	40	7:17			
164-166	NGC 7331	22:37:04	34:24:59	2:29	1.15	B	300	7:26			
164-166	NGC 7331	22:37:04	34:24:59	2:29	1.15	B	300	7:26			
167-169	NGC 7331	22:37:04	34:24:59	2:50	1.21	V	300	7:48			
170-172	NGC 7331	22:37:04	34:24:59	3:07	1.26	R	300	8:06			
173-175	NGC 7331	22:37:04	34:24:59	3:24	1.32	I	300	8:22			
176-178	Saturn moon	0:40:29	1:24:40	1:58	1:41	B	1	9:00			
179-181	Saturn moon	0:40:29	1:24:40	2:02	1:42	V	1	9:03			
182-184	Saturn moon	0:40:29	1:24:40	2:04	1:42	R	1	9:05			
185-187	Saturn moon	0:40:29	1:24:40	2:05	1.43	I	1	9:07			
188-191	Saturn moon	0:40:29	1:24:40	2:14	1.46	B	0.01	9:15			
192-194	Saturn moon	0:40:29	1:24:40	2:19	1.49	V	0.01	9:20			
195-197	Saturn moon	0:40:29	1:24:40	2:20	1.49	R	0.01	9:21			
198-200	Saturn moon	0:40:29	1:24:40	2:21	1.5	I	0.01	9:22			
201-203	Ngc 7331 offset	22:37:09	34:24:58	4:46	1.81	R	480	9:45			