INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20001005
TAPE NR: INTD4523
OBSERVER: P. Garcia
PROGRAMME: S/D
PATT/CAT REF.: S/D
TELESCOPE OPERATOR: P. Sorensen
SUPPORT ASTRONOMER: P. Garcia

TELESCOPE FOCUS: 46.10 mm
CALIBRATE RESULTS: HI 34.6 +/- 5.0, DI -65.3 +/- 1.7, HC 57.4 +/- 3.6, Sky sigma 4.4

INSTRUMENT: WFC

WFC FILTER WHEEL: UBVRIZ

WEATHER: (1st half) good
(2nd half) good
CLOUD COVER (%): (1st half) 0
(2nd half) 0
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 1.0
(2nd half) 1.5

DOME OPENED (UT): 19:00

METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	10.9	21	14.3	15.4	154	770.5	11.4	14.6	16.4	19	16
21:00	11.9	18	12.8	13.4	156	770.9	12.4	13.6	16.1	16	15
22:00	13.2	13	16.5	17.3	155	771.3	13.7	14.4	15.9	12	11
23:00	12.2	13	21.0	22.5	156	771.5	12.9	13.5	15.7	12	13
00:00	11.7	19	25.4	27.2	150	771.5	12.1	13.0	15.5	19	17
01:00	11.8	15	34.5	38.8	153	770.8	12.1	13.6	15.4	17	15
02:00	11.1	17	32.4	34.1	152	770.6	11.6	13.0	15.2	17	14
03:00	10.6	31	30.8	33.7	206	770.3	11.0	12.4	15.0	29	26
04:00	10.3	36	35.6	37.8	166	769.6	10.7	11.5	14.9	34	32
05:00	9.9	42	37.9	39.9	161	769.3	10.2	11.1	14.5	41	38
06:00	9.6	40	33.7	35.1	137	769.4	10.1	11.0	14.2	39	37

SUNSET(UT) 19:00
EVENING TWILIGHT(UT) 20:12
MORNING TWILIGHT(UT) 05:49
SUNRISE(UT) 07:00
MOON'S QUARTER (1-4) 2
DISK % OF ILLUM. 54
DARK TIME 09:37
TWILIGHT TIME 02:23
MOONRISE(UT) No moonrise within sunset-sunrise
MOONSET(UT) 00:52

TIME LOST(WEATHER): 00:00
TIME LOST(TECHNICAL): 01:045
TIME LOST(OTHER): 00:00

COMMENTS:
Pattern noise present on Mosaic camera all night

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
231412	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.639	180.0	13:47:46.0	0.0	V	Harris	1 x 1	
231413	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:05:16.6	0.0	B	Harris	1 x 1	
231414	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:10:04.4	0.0	B	Harris	1 x 1	
231415	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:10:43.7	0.0	B	Harris	1 x 1	
231416	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:11:22.8	0.0	B	Harris	1 x 1	
231417	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:12:18.4	0.0	B	Harris	1 x 1	
231418	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:12:57.6	0.0	B	Harris	1 x 1	
231419	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:13:36.7	0.0	B	Harris	1 x 1	
231420	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:14:15.9	0.0	B	Harris	1 x 1	
231421	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:14:55.0	0.0	B	Harris	1 x 1	
231422	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:15:34.1	0.0	B	Harris	1 x 1	
231423	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:16:13.3	0.0	B	Harris	1 x 1	
231424	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:16:52.5	0.0	B	Harris	1 x 1	
231425	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.819	180.0	17:17:31.6	0.0	B	Harris	1 x 1	
231426	sky_U	16:47:52.50	-15:17:44.0	B1950.00	1.658	180.0	19:04:26.2	2.6	U	RGO	1 x 1	
231427	sky_Z	16:47:52.50	-15:17:43.9	B1950.00	1.668	180.0	19:06:25.5	2.1	z	Gunn	1 x 1	
231428	sky_U	16:47:52.50	-15:17:44.0	B1950.00	1.676	180.0	19:07:60.1	2.1	U	RGO	1 x 1	
231429	sky_U	16:47:52.50	-15:17:44.0	B1950.00	1.683	180.0	19:09:09.6	2.1	U	RGO	1 x 1	
231430	sky_U	16:47:52.49	-15:17:43.9	B1950.00	1.689	180.0	19:10:14.4	2.1	U	RGO	1 x 1	
231431	sky_U	16:47:52.50	-15:17:43.9	B1950.00	1.695	180.0	19:11:28.2	2.1	U	RGO	1 x 1	
231432	sky_U	16:47:52.50	-15:17:44.0	B1950.00	1.702	180.0	19:12:41.6	1.6	U	RGO	1 x 1	
231433	sky_B	16:47:52.50	-15:17:44.0	B1950.00	1.735	180.0	19:18:07.3	2.1	B	Harris	1 x 1	
231434	sky_B	16:47:52.50	-15:17:44.0	B1950.00	1.742	180.0	19:19:17.6	4.1	B	Harris	1 x 1	
231435	sky_B	16:47:52.50	-15:17:44.0	B1950.00	1.749	180.0	19:20:25.2	4.1	B	Harris	1 x 1	
231436	sky_B	16:47:52.49	-15:17:44.0	B1950.00	1.756	180.0	19:21:29.9	4.1	B	Harris	1 x 1	
231437	sky_Z	16:47:52.49	-15:17:44.0	B1950.00	1.764	180.0	19:22:44.9	2.1	z	Gunn	1 x 1	
231438	sky_Z	16:47:52.49	-15:17:43.9	B1950.00	1.776	180.0	19:24:02.7	60.0	z	Gunn	1 x 1	
231439	sky_Z	16:47:52.91	-15:17:41.0	B1950.00	1.789	180.0	19:26:01.4	60.1	z	Gunn	1 x 1	
231440	sky_Z	16:47:52.91	-15:17:38.0	B1950.00	1.807	180.0	19:27:58.9	120.0	z	Gunn	1 x 1	
231441	sky_Z	16:47:53.33	-15:17:34.8	B1950.00	1.835	180.0	19:31:19.3	180.0	z	Gunn	1 x 1	
231442	sa111-2088	19:38:21.20	+00:31:00.0	J2000.00	1.135	180.0	19:57:51.9	10.1	r	Sloan	1 x 1	
231443	Focus run	19:38:21.20	+00:31:55.0	J2000.00	1.137	180.0	20:07:31.7	10.1	r	Sloan	1 x 1	
231444	Focus run	19:38:21.20	+00:31:55.0	J2000.00	1.140	180.0	20:15:17.7	10.1	r	Sloan	1 x 1	
231445	sa111-2088	19:38:21.20	+00:32:50.0	J2000.00	1.145	180.0	20:21:43.2	20.1	U	RGO	1 x 1	
231446	sa111-2088	19:38:21.20	+00:32:50.0	J2000.00	1.147	180.0	20:23:52.6	120.0	U	RGO	1 x 1	
231447	sa111-2088	19:38:21.19	+00:32:50.0	J2000.00	1.149	180.0	20:27:19.3	10.1	B	Harris	1 x 1	
231449	sa111-2088	19:38:21.20	+00:32:49.9	J2000.00	1.166	180.0	20:43:54.5	5.1	V	Harris	1 x 1	
231450	sa111-2088	19:38:21.20	+00:32:50.0	J2000.00	1.170	180.0	20:47:08.7	5.1	r	Sloan	1 x 1	
231451	sa111-2088	19:38:21.19	+00:32:49.9	J2000.00	1.172	180.0	20:49:05.9	10.1	i	Sloan	1 x 1	
231452	sa111-2088	19:38:21.19	+00:32:50.1	J2000.00	1.174	180.0	20:50:46.0	5.1	i	Sloan	1 x 1	
231453	sa111-2088	19:38:21.20	+00:31:00.0	J2000.00	1.181	180.0	20:54:50.6	5.1	i	Sloan	1 x 1	
231454	sa111-2088	19:38:21.20	+00:31:00.0	J2000.00	1.183	180.0	20:56:15.1	2.1	i	Sloan	1 x 1	
231455	sa111-2088	19:38:21.20	+00:31:00.0	J2000.00	1.185	180.0	20:57:58.0	5.1	V	Harris	1 x 1	
231457	sa111-2088	19:38:21.20	+00:31:00.0	J2000.00	1.188	180.0	20:59:47.2	5.1	r	Sloan	1 x 1	
231458	sa111-2088	19:38:21.20	+00:30:59.9	J2000.00	1.192	180.0	21:02:10.6	19.6	z	Gunn	1 x 1	
231459	sa111-2088	19:38:21.20	+00:31:00.0	J2000.00	1.195	180.0	21:03:56.9	10.1	z	Gunn	1 x 1	
231460	sa111-2088	19:38:21.20	+00:31:00.0	J2000.00	1.198	180.0	21:05:27.6	5.1	z	Gunn	1 x 1	
231461	sa112-250	20:42:26.40	+00:07:43.0	J2000.00	1.141	180.0	21:08:50.1	2.1	z	Gunn	1 x 1	
231462	sa112-250	20:42:26.39	+00:07:43.0	J2000.00	1.142	180.0	21:11:47.6	1.6	i	Sloan	1 x 1	
231463	sa112-250	20:42:26.40	+00:07:42.9	J2000.00	1.143	180.0	21:13:14.0	2.1	r	Sloan	1 x 1	
231464	sa112-250	20:42:26.40	+00:07:42.9	J2000.00	1.143	180.0	21:14:54.0	2.1	V	Harris	1 x 1	
231465	sa112-250	20:42:26.40	+00:07:43.0	J2000.00	1.144	180.0	21:16:23.4	4.1	B	Harris	1 x 1	
231466	sa112-250	20:42:26.40	+00:07:43.0	J2000.00	1.145	180.0	21:17:59.5	10.1	U	RGO	1 x 1	
231467	pg2331+055	23:33:44.40	+05:46:39.8	J2000.00	1.324	180.0	21:22:03.4	20.1	U	RGO	1 x 1	
231468	pg2331+055	23:33:44.40	+05:46:39.9	J2000.00	1.313	180.0	21:24:08.0	120.1	U	RGO	1 x 1	
231469	pg2331+055	23:33:44.40	+05:46:40.0	J2000.00	1.304	180.0	21:27:13.6	20.1	B	Harris	1 x 1	
231470	pg2331+055	23:33:44.39	+05:46:39.9	J2000.00	1.298	180.0	21:29:03.8	20.1	V	Harris	1 x 1	
231471	pg2331+055	23:33:44.40	+05:46:40.0	J2000.00	1.291	180.0	21:30:54.6	10.1	r	Sloan	1 x 1	
231472	pg2331+055	23:33:44.40	+05:46:40.0	J2000.00	1.285	180.0	21:32:46.8	10.1	i	Sloan	1 x 1	
231473	pg2331+055	23:33:44.40	+05:46:40.0	J2000.00	1.279	180.0	21:34:26.0	30.1	z	Gunn	1 x 1	
231474	j2322+2057	23:22:22.40	+20:57:02.9	J2000.00	1.100	180.0	21:51:19.3	2.1	B	Harris	1 x 1	

231475	j2322+2057	23:22:22.36	+20:57:02.8	J2000.00	1.098	180.0	21:52:20.8	1.1	B	Harris	1 x 1
231476	j2322+2057	23:22:22.46	+20:57:02.9	J2000.00	1.096	180.0	21:53:21.2	1.1	B	Harris	1 x 1
231477	Bias	23:22:22.47	+20:57:02.8	J2000.00	1.094	180.0	21:54:23.7	0.0	B	Harris	1 x 1
231478	Bias	23:22:22.46	+20:57:02.8	J2000.00	1.082	180.0	22:01:10.8	0.0	B	Harris	1 x 1
231479	Bias	23:22:22.46	+20:57:02.9	J2000.00	1.081	180.0	22:02:10.9	0.0	B	Harris	1 x 1
231480	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.0	22:07:06.7	0.0	B	Harris	1 x 1
231481	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.0	22:08:38.3	0.0	B	Harris	1 x 1
231482	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.0	22:18:53.7	0.0	V	Harris	1 x 1
231483	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.0	22:20:46.9	0.0	V	Harris	1 x 1
231484	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.0	22:22:27.0	0.0	V	Harris	1 x 1
231485	saturate	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.0	22:25:26.6	10.1	r	Sloan	1 x 1
231486	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.0	22:26:53.1	0.0	r	Sloan	1 x 1
231487	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.0	22:27:58.5	0.0	r	Sloan	1 x 1
231488	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.0	22:33:53.7	0.0	r	Sloan	1 x 1
231489	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.0	22:37:07.2	0.0	r	Sloan	1 x 1
231490	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	22:42:51.3	0.0	V	Harris	1 x 1
231491	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	22:44:46.5	0.0	V	Harris	1 x 1
231492	Bias	23:22:22.40	+20:57:02.9	J2000.00	1.020	180.0	22:57:13.9	0.0	B	Harris	1 x 1
231493	Bias	23:22:22.40	+20:57:02.9	J2000.00	1.020	180.0	22:57:53.8	0.0	B	Harris	1 x 1
231494	Bias	23:22:22.39	+20:57:02.9	J2000.00	1.020	180.0	22:58:35.1	0.0	B	Harris	1 x 1
231495	fans off	23:22:22.40	+20:57:02.9	J2000.00	1.018	180.0	23:01:12.1	0.0	B	Harris	1 x 1
231496	j2322+2057	23:22:22.39	+20:57:02.9	J2000.00	1.016	180.0	23:04:41.2	2.2	B	Harris	1 x 1
231497	j2322+2057	23:22:22.36	+20:57:02.8	J2000.00	1.016	180.0	23:05:44.4	1.1	B	Harris	1 x 1
231498	j2322+2057	23:22:22.43	+20:57:02.8	J2000.00	1.015	180.0	23:06:44.9	1.0	B	Harris	1 x 1
231499	j2322+2057	23:22:22.40	+20:57:02.3	J2000.00	1.015	180.0	23:07:45.6	1.1	B	Harris	1 x 1
231500	j2322+2057	23:22:22.40	+20:57:03.3	J2000.00	1.014	180.0	23:08:45.5	0.9	B	Harris	1 x 1
231501	j2322+2057	23:22:22.40	+20:57:03.0	J2000.00	1.014	180.0	23:10:01.8	1.1	B	Harris	1 x 1
231502	j2322+2057	23:22:22.36	+20:57:02.8	J2000.00	1.014	180.0	23:11:01.8	1.1	B	Harris	1 x 1
231503	j2322+2057	23:22:22.36	+20:57:02.9	J2000.00	1.013	180.0	23:12:00.6	1.1	B	Harris	1 x 1
231504	j2322+2057	23:22:22.40	+20:57:02.2	J2000.00	1.013	180.0	23:13:00.6	0.9	B	Harris	1 x 1
231505	j2322+2057	23:22:22.39	+20:57:03.3	J2000.00	1.013	180.0	23:14:06.4	1.1	B	Harris	1 x 1
231506	Bias	23:22:22.40	+20:57:03.3	A	1.011	180.0	23:18:13.2	0.0	V	Harris	1 x 1
231507	Bias	23:22:22.40	+20:57:03.3	A	1.011	180.0	23:19:38.9	0.0	V	Harris	1 x 1
231508	Bias	23:22:22.39	+20:57:03.3	A	1.010	180.0	23:22:10.1	0.0	V	Harris	1 x 1
231509	Bias	23:22:22.39	+20:57:03.4	A	1.010	180.0	23:23:23.8	0.0	V	Harris	2 x 2
231510	Bias	23:22:22.40	+20:57:03.4	A	1.010	180.0	23:24:44.1	0.0	V	Harris	1 x 1
231511	Bias	23:22:22.40	+20:57:03.4	A	1.010	180.0	23:26:27.7	0.0	V	Harris	1 x 1
231512	Bias	0:00:00.00	+00:00:00.0	A	1.491	180.1	23:50:47.5	0.0	B	Harris	1 x 1
231513	Bias	0:00:00.00	+00:00:00.0	A	1.491	180.1	23:51:56.6	0.0	B	Harris	1 x 1
231514	Bias	0:00:00.00	+00:00:00.0	A	1.491	180.1	00:01:11.0	0.0	B	Harris	1 x 1
231515	j2322+2057	23:22:22.00	+20:57:02.0	J2000.00	1.018	180.1	00:07:15.6	30.1	B	Harris	1 x 1
231516	j2322+2057	23:22:21.96	+20:57:02.0	J2000.00	1.019	180.1	00:08:47.6	30.1	B	Harris	1 x 1
231517	j2322+2057	23:22:22.03	+20:57:01.9	J2000.00	1.020	180.1	00:10:24.5	30.1	B	Harris	1 x 1
231518	j2322+2057	23:22:22.00	+20:57:01.3	J2000.00	1.021	180.1	00:11:56.6	30.1	B	Harris	1 x 1
231519	j2322+2057	23:22:22.00	+20:57:02.4	J2000.00	1.022	180.1	00:13:27.4	30.1	B	Harris	1 x 1
231520	j2322+2057	23:22:22.00	+20:57:01.8	J2000.00	1.024	180.1	00:16:13.0	30.1	B	Harris	1 x 1
231521	j2322+2057	23:22:21.96	+20:57:01.9	J2000.00	1.025	180.1	00:17:44.9	30.1	B	Harris	1 x 1
231522	j2322+2057	23:22:22.03	+20:57:02.0	J2000.00	1.026	180.1	00:19:16.4	30.1	B	Harris	1 x 1
231523	j2322+2057	23:22:22.00	+20:57:01.3	J2000.00	1.027	180.1	00:20:47.0	30.1	B	Harris	1 x 1
231524	j2322+2057	23:22:22.00	+20:57:02.3	J2000.00	1.028	180.1	00:22:19.6	29.6	B	Harris	1 x 1
231525	Bias	23:22:21.99	+20:57:02.5	J2000.00	1.029	180.1	00:23:59.6	0.0	B	Harris	1 x 1
231526	Bias	23:22:22.00	+20:57:02.4	J2000.00	1.030	180.1	00:24:41.2	0.0	B	Harris	1 x 1
231527	Bias	23:22:22.00	+20:57:02.4	J2000.00	1.031	180.1	00:25:20.4	0.0	B	Harris	1 x 1
231528	M31-microfld1	0:44:00.00	+41:34:00.1	J2000.00	1.029	180.1	00:29:24.7	319.7	r	Sloan	1 x 1
231529	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.027	180.1	00:36:06.3	319.7	r	Sloan	1 x 1
231530	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.026	180.1	00:42:47.3	319.8	i	Sloan	1 x 1
231531	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.026	180.1	00:49:27.6	319.8	i	Sloan	1 x 1
231532	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.023	180.1	00:57:14.0	319.8	r	Sloan	1 x 1
231533	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.024	180.1	01:03:59.1	319.8	r	Sloan	1 x 1
231534	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.025	180.1	01:10:43.6	319.8	i	Sloan	1 x 1
231535	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.027	180.1	01:17:24.3	319.7	i	Sloan	1 x 1
231536	Bias	0:43:10.00	+40:58:14.9	J2000.00	1.029	180.1	01:24:08.7	0.0	i	Sloan	1 x 1

231537	Bias	0:43:10.00	+40:58:15.0	J2000.00	1.029	180.1	01:24:47.7	0.0	i	Sloan		1 x 1
231538	Bias	0:43:10.00	+40:58:15.0	J2000.00	1.029	180.1	01:25:26.8	0.0	i	Sloan		1 x 1
231539	M31 B	0:43:09.99	+40:58:14.9	J2000.00	1.036	180.1	01:32:40.2	799.1	B	Harris		1 x 1
231540	M31 V	0:43:09.99	+40:58:14.9	J2000.00	1.047	180.1	01:47:03.9	799.2	V	Harris		1 x 1
231541	M31 B	0:43:10.00	+40:58:15.3	J2000.00	1.060	180.1	02:01:33.9	799.4	B	Harris		1 x 1
231542	M31 V	0:43:09.99	+40:58:15.0	J2000.00	1.076	180.1	02:15:58.0	799.3	V	Harris		1 x 1
231543	M31 B	0:43:09.98	+40:58:15.0	J2000.00	1.096	180.1	02:30:25.5	799.3	B	Harris	1	1 x 1
231544	M31 V	0:43:10.00	+40:58:15.0	J2000.00	1.120	180.1	02:44:59.6	799.3	V	Harris	1	1 x 1
231545	M31 B	0:43:09.99	+40:58:15.1	J2000.00	1.148	180.1	02:59:35.4	799.1	B	Harris	1	1 x 1
231546	M31 V	0:43:10.00	+40:58:15.0	J2000.00	1.180	180.1	03:14:03.4	799.2	V	Harris	1	1 x 1
231547	Bias	0:43:10.00	+40:58:14.9	J2000.00	1.202	180.1	03:29:17.3	0.0	V	Harris	1	1 x 1
231548	Bias	0:43:10.00	+40:58:15.0	J2000.00	1.203	180.1	03:29:57.6	0.0	V	Harris	1	1 x 1
231549	Bias	0:43:09.99	+40:58:14.9	J2000.00	1.205	180.1	03:30:37.9	0.0	V	Harris	1	1 x 1
231550	M31 B	0:43:10.00	+40:58:15.0	J2000.00	1.228	180.1	03:31:60.1	799.1	B	Harris	1	1 x 1
231551	M31 V	0:43:09.99	+40:58:14.9	J2000.00	1.272	180.1	03:46:25.6	799.0	V	Harris	1	1 x 1
231552	M31 B	0:43:10.00	+40:58:14.9	J2000.00	1.323	180.1	04:00:59.0	799.3	B	Harris	1	1 x 1
231553	M31 V	0:43:09.99	+40:58:14.9	J2000.00	1.382	180.1	04:15:23.4	799.2	V	Harris	1	1 x 1
231554	field3_1	3:09:49.99	-08:37:00.0	J2000.00	1.341	180.1	04:35:60.0	299.7	R	Harris	1	1 x 1
231555	field3_1	3:09:50.54	-08:37:00.0	J2000.00	1.359	180.1	04:43:37.4	299.8	R	Harris	1	1 x 1
231556	field3_1	3:09:50.00	-08:36:52.1	J2000.00	1.376	180.1	04:49:52.8	299.9	R	Harris	1	1 x 1
231557	field3_2	3:09:50.00	-08:36:30.0	J2000.00	1.395	180.1	04:56:35.8	299.8	R	Harris	1	1 x 1
231558	field3_2	3:09:50.53	-08:36:29.9	J2000.00	1.417	180.1	05:03:20.5	299.8	R	Harris	1	1 x 1
231561	field3_2	3:09:49.99	-08:36:22.0	J2000.00	1.445	180.1	05:11:20.8	299.8	R	Harris	1	1 x 1
231562	field3_1	1:34:55.00	-04:18:26.0	J2000.00	1.476	180.1	05:19:06.1	299.8	R	Harris	1	1 x 1
231563	field3_1	3:09:50.00	-08:36:52.0	J2000.00	1.512	180.1	05:27:26.0	299.9	R	Harris	1	1 x 1
231564	field3_1	3:09:50.53	-08:37:00.0	J2000.00	1.549	180.1	05:34:54.9	299.7	R	Harris	1	1 x 1
231565	field3_2	3:09:50.00	-08:36:21.9	J2000.00	1.587	180.1	05:42:13.0	299.8	R	Harris	1	1 x 1
231566	field3_2	3:09:50.54	-08:36:29.9	J2000.00	1.630	180.1	05:49:30.2	299.9	R	Harris	1	1 x 1
231567	94-242	2:57:21.19	+00:18:38.9	J2000.00	1.530	180.1	05:56:34.1	10.1	R	Harris	1	1 x 1
231568	94-242	2:57:21.20	+00:18:38.9	J2000.00	1.549	180.1	05:59:48.2	2.1	R	Harris	1	1 x 1
231569	95-106	3:53:25.10	+00:01:23.0	J2000.00	1.308	180.1	06:01:45.3	10.1	R	Harris	1	1 x 1
231571	Bias	4:25:44.97	+54:09:03.0	B1950.00	1.176	180.1	06:25:30.6	0.0	R	Harris	1	1 x 1
231572	Bias	4:25:44.97	+54:09:02.9	B1950.00	1.178	180.1	06:26:30.4	0.0	R	Harris	1	1 x 1
231573	Bias	4:25:44.97	+54:09:02.9	B1950.00	1.179	180.1	06:27:10.4	0.0	R	Harris	1	1 x 1
231574	Sky background	4:25:44.97	+54:09:02.9	B1950.00	1.181	180.1	06:28:30.3	60.1	R	Harris	1	1 x 1
231575	Sky background	4:25:44.97	+54:09:03.0	B1950.00	1.186	180.1	06:31:16.3	80.0	R	Harris	1	1 x 1
231577	Sky background	4:25:45.20	+54:09:05.0	B1950.00	1.196	180.1	06:38:40.9	10.1	R	Harris	1	1 x 1
231578	Sky background	4:25:45.43	+54:09:06.9	B1950.00	1.198	180.1	06:40:06.5	10.1	R	Harris	1	1 x 1
231579	Sky background	4:25:45.43	+54:09:07.0	B1950.00	1.200	180.1	06:41:21.6	9.6	r	Sloan	1	1 x 1
231580	Sky background	4:25:45.66	+54:09:09.0	B1950.00	1.203	180.1	06:42:50.3	10.1	r	Sloan	1	1 x 1
231581	Sky background	4:25:46.79	+54:09:18.9	B1950.00	1.205	180.1	06:44:13.6	4.7	r	Sloan	1	1 x 1
231582	Sky background	4:25:46.79	+54:09:18.9	B1950.00	1.207	180.1	06:45:18.2	2.1	V	Harris	1	1 x 1