INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20000902
TAPE NR:              INTD4485
OBSERVER:             S. Driver
PROGRAMME:            Photometric survey of nearby galaxy clusters
PATT/CAT REF.:        P4
TELESCOPE OPERATOR:   N/A
SUPPORT ASTRONOMER:   N/A

TELESCOPE FOCUS:      46.17 mm
CALIBRATE RESULTS:    HI 63.53 +/- , DI -66.57 +/- , HC   +/- , Sky sigma 0 (single)

INSTRUMENT:           WFC

WFC FILTER WHEEL:     B,V,r,I,i,U

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) 0.7
                      (2nd half) 1.1

DOME OPENED (UT):     19:20
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METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	17.0	6	22.6	27.1	226	772.7	17.4	19.2	17.3	6	7
21:00	16.4	6	26.4	30.2	227	772.9	16.7	17.8	17.4	5	6
22:00	16.4	6	27.1	31.6	226	773.3	16.7	17.6	17.4	5	6
23:00	16.4	8	29.2	33.4	219	773.6	16.7	17.6	17.3	6	7
00:00	16.4	8	30.4	33.0	227	773.7	16.5	17.4	17.3	7	8
01:00	16.4	7	33.2	37.0	233	773.6	16.8	17.6	17.3	5	6
02:00	15.9	6	23.5	31.6	203	773.5	16.4	17.3	17.3	6	6
03:00	15.6	9	30.3	37.8	180	772.9	16.2	16.9	17.2	7	8
04:00	15.4	5	23.9	28.5	207	772.6	15.8	16.8	17.2	3	4
05:00	15.9	3	28.4	34.0	246	772.6	16.0	16.9	17.2	2	3
06:00	15.8	6	32.9	37.6	232	772.6	16.1	17.1	17.1	5	5

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SUNSET(UT)            19:40
EVENING TWILIGHT(UT)  20:54
MORNING TWILIGHT(UT)  05:30
SUNRISE(UT)           06:43
MOON'S QUARTER (1-4)  1
DISK % OF ILLUM.      19
DARK TIME             08:36
TWILIGHT TIME         02:27
MOONRISE(UT)          No moonrise within sunset-sunrise
MOONSET(UT)           22:40

TIME LOST(WEATHER):   00:00
TIME LOST(TECHNICAL): 00:40
TIME LOST(OTHER):     00:00
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COMMENTS:
Only i, U and V filters used in the nominal programme
Problems with acquiring first object - failed to move last few
seconds of time, OK in Dec. Filter wheel failed during night.

30 mins lost due to filter wheel failure forcing us to close early

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
228487	Bias	0:00:00.00	+00:00:00.0	A	4.387	180.0	13:11:37.7	0.0	r	Sloan	1 x 1	
228488	Bias	0:00:00.00	+00:00:00.0	A	4.387	180.0	13:17:26.0	0.0	r	Sloan	1 x 1	
228489	blank1 I	19:19:09.00	+12:22:04.9	B1950.00	1.179	180.0	19:45:29.1	2.0	i	Sloan	1 x 1	
228490	blank1 U	9:39:34.50	+06:11:02.2	B1950.00	1.171	180.0	19:48:45.6	2.1	U	RGO	1 x 1	
228491	blank1 U	19:19:09.35	+12:22:10.3	B1950.00	1.166	180.0	19:50:42.6	4.6	U	RGO	1 x 1	
228492	blank4 U	19:19:09.68	+12:22:14.8	B1950.00	1.162	180.0	19:52:19.8	9.6	U	RGO	1 x 1	
228493	blank4 U	19:19:08.31	+12:21:57.0	B1950.00	1.155	180.0	19:55:05.6	10.1	B	Harris	1 x 1	
228494	bkank4 i	19:19:08.31	+12:21:56.9	B1950.00	1.152	180.0	19:56:36.0	5.1	i	Sloan	1 x 1	
228495	blank4 i	19:19:08.45	+12:22:12.9	B1950.00	1.148	180.0	19:58:12.4	5.1	i	Sloan	1 x 1	
228496	blank4 i	19:19:10.36	+12:22:00.0	B1950.00	1.145	180.0	19:59:53.6	5.1	i	Sloan	1 x 1	
228497	blank4 i	19:19:08.65	+12:22:24.6	B1950.00	1.142	180.0	20:01:22.2	5.1	i	Sloan	1 x 1	
228498	blank4 V	19:19:08.65	+12:22:25.1	B1950.00	1.139	180.0	20:02:42.9	5.1	V	Harris	1 x 1	
228499	blank4 V	19:19:09.47	+12:22:07.9	B1950.00	1.135	180.0	20:04:28.4	20.1	V	Harris	1 x 1	
228500	blank4 V	19:19:08.65	+12:22:22.9	B1950.00	1.130	180.0	20:06:31.3	50.1	V	Harris	1 x 1	
228501	Focus run	18:42:45.00	+00:10:35.0	J2000.00	1.160	180.0	20:22:19.3	10.1	i	Sloan	1 x 1	
228502	sa110-361 I	18:42:44.99	+00:08:04.9	J2000.00	1.156	180.0	20:25:27.6	9.7	i	Sloan	1 x 1	
228503	sa110-361 I	18:42:45.00	+00:08:05.0	J2000.00	1.155	180.0	20:26:59.0	9.6	i	Sloan	1 x 1	
228504	sa110-361 I	18:42:44.99	+00:08:04.9	J2000.00	1.152	180.0	20:30:07.5	10.1	r	Sloan	1 x 1	
228505	sa110-361 V	18:42:45.00	+00:08:05.0	J2000.00	1.151	180.0	20:31:34.6	5.1	r	Sloan	1 x 1	
228506	sa110-361 V	18:42:44.99	+00:08:05.0	J2000.00	1.150	180.0	20:33:11.6	5.1	V	Harris	1 x 1	
228507	sa110-361 V	18:42:45.00	+00:08:04.9	J2000.00	1.149	180.0	20:34:36.8	5.1	V	Harris	1 x 1	
228508	sa110-361 B	18:42:45.00	+00:08:04.9	J2000.00	1.148	180.0	20:36:00.5	9.6	B	Harris	1 x 1	
228509	sa110-361 B	18:42:45.00	+00:08:04.9	J2000.00	1.147	180.0	20:37:11.3	10.1	B	Harris	1 x 1	
228510	sa110-361 U	18:42:45.00	+00:08:05.0	J2000.00	1.146	180.0	20:38:40.9	60.1	U	RGO	1 x 1	
228511	sa110-361 U	18:42:45.00	+00:08:05.0	J2000.00	1.145	180.0	20:40:44.1	60.1	U	RGO	1 x 1	
228512	sa110-503 U	18:43:11.60	+00:29:42.9	J2000.00	1.140	180.0	20:43:15.4	60.1	U	RGO	1 x 1	
228513	sa110-503 V	18:43:11.59	+00:29:42.9	J2000.00	1.139	180.0	20:45:29.0	5.1	V	Harris	1 x 1	
228514	sa110-503 i	18:43:11.60	+00:29:43.0	J2000.00	1.139	180.0	20:47:06.3	10.1	i	Sloan	1 x 1	
228515	a2218n i	16:36:52.17	+66:28:18.9	J2000.00	1.360	180.0	21:01:04.8	1198.9	i	Sloan	1 x 1	
228516	a2218s i	16:36:52.18	+66:09:19.0	J2000.00	1.404	180.0	21:28:42.3	1199.0	i	Sloan	1 x 1	
228517	sa110-361 i	18:42:45.00	+00:08:04.8	J2000.00	1.164	180.0	21:52:16.4	10.1	i	Sloan	1 x 1	
228518	sa110-361 i	18:42:44.99	+00:08:05.0	J2000.00	1.165	180.0	21:53:28.8	10.1	i	Sloan	1 x 1	
228519	sa110-361 V	18:42:44.99	+00:08:05.0	J2000.00	1.167	180.0	21:54:57.3	10.1	V	Harris	1 x 1	
228520	sa110-361 V	18:42:45.00	+00:08:04.9	J2000.00	1.168	180.0	21:56:13.3	10.1	V	Harris	1 x 1	
228521	a2443nw V	22:25:28.14	+17:35:35.9	J2000.00	1.258	180.0	22:01:38.8	1198.8	V	Harris	1 x 1	
228522	a2443sw V	22:25:28.14	+17:16:36.0	J2000.00	1.173	180.0	22:29:14.7	1198.9	V	Harris	1 x 1	
228523	a2443ne V	22:27:35.39	+17:35:36.0	J2000.00	1.117	180.0	22:54:40.3	1198.8	V	Harris	1 x 1	
228524	a2443se V	22:27:35.39	+17:16:36.0	J2000.00	1.075	180.0	23:20:30.2	1198.8	V	Harris	1 x 1	
228525	sa110-361 V	18:42:45.00	+00:08:04.9	J2000.00	1.479	180.0	23:43:22.8	10.1	V	Harris	1 x 1	
228526	sa110-361 U	18:42:45.00	+00:08:04.9	J2000.00	1.489	180.0	23:44:58.1	60.1	U	RGO	1 x 1	
228527	sa113-361 U	21:42:35.50	+00:16:45.9	J2000.00	1.140	180.0	23:49:06.7	59.6	U	RGO	1 x 1	
228528	sa113-361 U	21:42:35.50	+00:16:45.9	J2000.00	1.139	180.0	23:51:18.6	59.6	U	RGO	1 x 1	
228529	a2355nw U	21:34:43.41	+01:38:44.9	J2000.00	1.125	180.0	23:57:14.5	1198.2	U	RGO	1 x 1	
228530	sa113-361 U	21:42:35.50	+00:16:46.0	J2000.00	1.140	180.0	00:19:29.9	60.1	U	RGO	1 x 1	
228531	sa113-361 U	21:42:35.50	+00:16:46.0	J2000.00	1.141	180.0	00:21:35.2	60.1	U	RGO	1 x 1	
228532	Bias	21:42:35.50	+00:16:46.0	J2000.00	1.141	180.0	00:23:39.4	0.0	U	RGO	1 x 1	
228533	Bias	21:42:35.49	+00:16:46.0	J2000.00	1.142	180.0	00:24:18.4	0.0	U	RGO	1 x 1	
228534	Bias	21:42:35.49	+00:16:46.0	J2000.00	1.142	180.0	00:24:57.5	0.0	U	RGO	1 x 1	
228535	Bias	21:42:35.49	+00:16:45.9	J2000.00	1.142	180.0	00:25:36.6	0.0	U	RGO	1 x 1	
228536	Bias	21:42:35.50	+00:16:46.0	J2000.00	1.143	180.0	00:26:15.6	0.0	U	RGO	1 x 1	
228538	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.153	180.0	00:49:17.3	319.7	r	Sloan	1 x 1	
228539	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.141	180.0	00:55:38.8	319.8	r	Sloan	1 x 1	
228540	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.128	180.0	01:02:20.5	319.8	i	Sloan	1 x 1	
228541	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.117	180.0	01:08:41.3	319.7	i	Sloan	1 x 1	
228542	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.099	180.0	01:17:37.6	319.7	r	Sloan	1 x 1	
228543	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.090	180.0	01:23:57.7	319.8	r	Sloan	1 x 1	
228544	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.080	180.0	01:30:36.7	319.3	i	Sloan	1 x 1	
228545	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.072	180.0	01:36:56.7	318.5	i	Sloan	1 x 1	

228546	sa113-163 U	21:42:35.49	+00:16:46.0	J2000.00	1.263	180.0	01:46:49.5	59.6	U	RGO	1 x 1
228547	sa113-163 U	21:42:35.50	+00:16:46.0	J2000.00	1.268	180.0	01:48:57.3	60.1	U	RGO	1 x 1
228548	a211se U	1:34:14.09	-04:04:17.9	J2000.00	1.341	180.0	01:57:48.7	1198.8	U	RGO	1 x 1
228549	a211se U	1:34:14.09	-04:04:17.9	J2000.00	1.284	180.0	02:18:59.5	1198.8	U	RGO	1 x 1
228550	a211se U	1:34:14.10	-04:04:17.9	J2000.00	1.242	180.0	02:40:04.5	1198.3	U	RGO	1 x 1
228551	sa113-163 U	21:42:35.50	+00:16:46.0	J2000.00	1.603	180.0	03:03:09.9	60.1	U	RGO	1 x 1
228552	sa113-163 U	21:42:35.50	+00:16:45.9	J2000.00	1.627	180.0	03:06:34.4	60.1	U	RGO	1 x 1
228553	sa113-163 V	21:42:35.50	+00:16:46.0	J2000.00	1.645	180.0	03:09:24.6	9.6	V	Harris	1 x 1
228554	sa92-355 V	0:56:05.70	+00:50:47.0	J2000.00	1.132	180.0	03:12:16.0	10.1	V	Harris	1 x 1
228555	sa92-355 V	0:56:05.69	+00:50:47.0	J2000.00	1.131	180.0	03:13:40.4	10.1	V	Harris	1 x 1
228556	a0119nw V	0:55:43.93	-01:00:28.0	J2000.00	1.154	180.0	03:19:28.4	1198.9	V	Harris	1 x 1
228557	a0119sw V	0:55:43.93	-01:19:27.9	J2000.00	1.172	180.0	03:44:35.1	1198.9	V	Harris	1 x 1
228558	a0119ne V	0:57:45.42	-01:00:27.8	J2000.00	1.194	180.0	04:09:32.6	1198.8	V	Harris	1 x 1
228559	a0119se V	0:57:45.42	-01:19:27.9	J2000.00	1.242	180.0	04:34:15.7	1198.2	V	Harris	1 x 1
228560	92-355 V	0:56:05.70	+00:50:46.9	J2000.00	1.246	180.0	04:56:50.9	10.1	V	Harris	1 x 1
228561	92-355 V	0:56:05.69	+00:50:46.9	J2000.00	1.249	180.0	04:58:01.0	9.6	V	Harris	1 x 1
228562	File not available										
228563	File not available										