INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  20000901
TAPE NR:               INTD4484
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) 0.9
                       (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	15.7	11	9.8	12.6	202	769.8	16.1	18.0	16.3	9	17
21:00	15.1	12	14.6	17.6	184	770.1	15.4	16.6	16.4	11	11
22:00	15.4	8	16.1	19.2	211	770.8	15.6	16.5	16.2	7	8
23:00	15.3	8	19.4	21.2	220	771.4	15.1	16.0	16.3	8	10
00:00	14.4	11	17.5	18.1	236	771.3	14.4	15.8	16.2	12	13
01:00	14.3	12	16.0	17.1	240	771.1	14.4	15.5	16.1	12	12
02:00	14.3	13	14.9	16.9	236	771.1	14.2	15.6	16.1	12	12
03:00	14.2	13	12.7	15.2	225	771.0	14.3	15.5	16.0	12	12
04:00	14.3	14	15.7	16.5	244	770.6	14.3	15.2	16.1	13	13
05:00	14.2	13	17.8	19.6	134	770.7	14.5	15.4	16.0	12	12
06:00	14.1	12	15.7	18.1	156	770.7	14.5	15.3	16.0	12	11

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SUNSET(UT)             19:41
EVENING TWILIGHT(UT)   20:55
MORNING TWILIGHT(UT)   05:29
SUNRISE(UT)            06:43
MOON'S QUARTER (1-4)   1
DISK % OF ILLUM.       12
DARK TIME              08:34
TWILIGHT TIME          02:28
MOONRISE(UT)           No moonrise within sunset-sunrise
MOONSET(UT)            22:03

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

10 mins lost due to filter wheel failure

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
228401	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:38:36.9	0.0	r	Sloan	1 x 1	
228402	Bias	19:19:09.00	+12:22:04.9	B1950.00	1.186	180.0	19:46:38.3	0.0	U	RGO	1 x 1	
228403	Bias	19:19:08.99	+12:22:04.9	B1950.00	1.184	180.0	19:47:20.1	0.0	U	RGO	1 x 1	
228404	Bias	19:19:09.00	+12:22:04.9	B1950.00	1.182	180.0	19:48:02.1	0.0	U	RGO	1 x 1	
228405	Bias	19:19:09.00	+12:22:04.9	B1950.00	1.181	180.0	19:48:41.2	0.0	U	RGO	1 x 1	
228406	Bias	19:19:08.99	+12:22:04.9	B1950.00	1.179	180.0	19:49:20.2	0.0	U	RGO	1 x 1	
228407	flat U	19:19:09.00	+12:22:04.9	B1950.00	1.168	180.0	19:53:32.7	7.1	U	RGO	1 x 1	
228408	flat U	19:19:09.00	+12:22:04.9	B1950.00	1.164	180.0	19:55:29.6	10.1	U	RGO	1 x 1	
228409	flat U	19:19:10.02	+12:22:19.9	B1950.00	1.159	180.0	19:57:17.3	12.1	U	RGO	1 x 1	
228410	flat U	19:19:08.52	+12:21:58.0	B1950.00	1.156	180.0	19:58:53.2	15.1	U	RGO	1 x 1	
228411	flat B	19:19:08.52	+12:21:58.0	B1950.00	1.146	180.0	20:03:01.7	15.1	B	Harris	1 x 1	
228412	flat B	19:19:09.68	+12:22:14.9	B1950.00	1.142	180.0	20:04:44.4	30.1	B	Harris	1 x 1	
228413	flat V	19:19:08.31	+12:22:14.9	B1950.00	1.136	180.0	20:07:37.9	30.1	V	Harris	1 x 1	
228414	flat V	19:19:09.68	+12:21:55.1	B1950.00	1.131	180.0	20:09:37.4	100.0	V	Harris	1 x 1	
228415	Focus run	18:42:44.99	+00:10:35.0	J2000.00	1.157	180.0	20:29:26.2	10.1	V	Harris	1 x 1	
228416	sa110-361 V	18:42:45.00	+00:08:04.9	J2000.00	1.154	180.0	20:32:00.5	9.6	V	Harris	1 x 1	
228417	sa110-361 V	18:42:44.99	+00:08:04.9	J2000.00	1.153	180.0	20:33:33.4	10.1	V	Harris	1 x 1	
228418	sa110-503 V	18:43:11.60	+00:29:43.0	J2000.00	1.147	180.0	20:35:41.5	9.6	V	Harris	1 x 1	
228419	sa110-503 V	18:43:11.60	+00:29:42.9	J2000.00	1.146	180.0	20:36:54.7	9.1	V	Harris	1 x 1	
228420	110=503 U	18:43:11.60	+00:29:42.9	J2000.00	1.145	180.0	20:39:14.6	60.1	U	RGO	1 x 1	
228421	sa110-503 U	18:43:11.60	+00:29:42.9	J2000.00	1.143	180.0	20:41:26.7	59.5	U	RGO	1 x 1	
228422	sa110-361 U	18:42:45.00	+00:08:05.0	J2000.00	1.145	180.0	20:44:08.1	60.1	U	RGO	1 x 1	
228423	sa110-361 U	18:42:45.00	+00:08:05.0	J2000.00	1.144	180.0	20:46:23.8	60.0	U	RGO	1 x 1	
228424	a2218n V	16:36:52.18	+66:28:18.9	J2000.00	1.385	180.0	21:19:47.5	1198.9	V	Harris	1 x 1	
228425	a2218s V	16:36:52.17	+66:09:19.0	J2000.00	1.429	180.0	21:44:58.0	1198.9	V	Harris	1 x 1	
228426	sa110-361 V	18:42:45.00	+00:08:04.9	J2000.00	1.179	180.0	22:09:03.2	10.1	V	Harris	1 x 1	
228427	sa110-361 V	18:42:45.00	+00:08:05.0	J2000.00	1.181	180.0	22:10:14.0	10.1	V	Harris	1 x 1	
228429	sa110-361 U	18:42:45.00	+00:08:05.0	J2000.00	1.196	180.0	22:19:23.9	60.1	U	RGO	1 x 1	
228430	sa110-361 U	18:42:45.00	+00:08:05.0	J2000.00	1.199	180.0	22:21:24.8	60.0	U	RGO	1 x 1	
228431	a2355sw U	21:34:43.41	+01:19:44.8	J2000.00	1.202	180.0	22:28:18.8	1198.7	U	RGO	1 x 1	
228432	a2355sw U	21:34:43.42	+01:19:44.9	J2000.00	1.167	180.0	22:49:32.0	1198.8	U	RGO	1 x 1	
228433	a2355sw U	21:34:43.42	+01:19:45.0	J2000.00	1.144	180.0	23:10:36.8	1198.9	U	RGO	1 x 1	
228434	sa110-361 U	18:42:45.00	+00:08:05.0	J2000.00	1.411	180.0	23:33:13.5	60.0	U	RGO	1 x 1	
228435	sa110-361 U	18:42:45.00	+00:08:04.9	J2000.00	1.421	180.0	23:35:13.2	60.1	U	RGO	1 x 1	
228436	sa113-163 U	21:42:35.50	+00:16:45.9	J2000.00	1.147	180.0	23:38:29.4	60.1	U	RGO	1 x 1	
228437	a2355ne U	21:36:44.92	+01:38:45.0	J2000.00	1.124	180.0	23:43:52.0	1198.2	U	RGO	1 x 1	
228438	a2355ne U	21:36:44.92	+01:38:44.9	J2000.00	1.125	180.0	00:04:55.6	1198.8	U	RGO	1 x 1	
228439	a2355ne U	21:36:44.92	+01:38:45.0	J2000.00	1.135	180.0	00:25:58.7	1198.2	U	RGO	1 x 1	
228440	sa113-163 U	21:42:35.50	+00:16:46.0	J2000.00	1.155	180.0	00:47:49.4	60.1	U	RGO	1 x 1	
228441	sa113-163 U	21:42:35.50	+00:16:45.9	J2000.00	1.157	180.0	00:49:49.8	60.1	U	RGO	1 x 1	
228442	a2355se U	21:36:44.91	+01:19:44.9	J2000.00	1.173	180.0	00:57:14.0	1198.9	U	RGO	1 x 1	
228443	a2355se U	21:36:44.92	+01:19:45.0	J2000.00	1.210	180.0	01:18:17.6	1198.7	U	RGO	1 x 1	
228444	a2355se U	21:36:44.91	+01:19:44.9	J2000.00	1.260	180.0	01:39:27.6	1198.9	U	RGO	1 x 1	
228445	sa113-163 U	21:42:35.49	+00:16:46.0	J2000.00	1.293	180.0	02:01:28.0	60.1	U	RGO	1 x 1	
228446	sa113-163 U	21:42:35.50	+00:16:46.0	J2000.00	1.299	180.0	02:03:28.3	60.1	U	RGO	1 x 1	
228447	M31-microfld1	0:44:00.00	+41:34:00.2	J2000.00	1.048	180.0	02:09:04.4	319.7	r	Sloan	1 x 1	
228448	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.043	180.0	02:15:24.2	319.8	r	Sloan	1 x 1	
228449	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.039	180.0	02:22:01.3	319.8	i	Sloan	1 x 1	
228450	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.035	180.0	02:28:19.7	319.3	i	Sloan	1 x 1	
228451	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.028	180.0	02:37:21.2	319.8	r	Sloan	1 x 1	
228452	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.026	180.0	02:43:41.3	319.7	r	Sloan	1 x 1	
228453	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.025	180.0	02:50:18.7	319.8	i	Sloan	1 x 1	
228454	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.024	180.0	02:56:39.1	319.2	i	Sloan	1 x 1	
228455	sa113-163 U	21:42:35.50	+00:16:45.8	J2000.00	1.584	180.0	03:04:39.4	30.1	U	RGO	1 x 1	
228456	sa113-163 U	21:42:35.49	+00:16:45.9	J2000.00	1.597	180.0	03:06:35.0	30.1	U	RGO	1 x 1	
228457	sa92-335 U	0:54:58.29	+00:44:01.0	J2000.00	1.134	180.0	03:09:50.3	30.1	U	RGO	1 x 1	
228458	sa92-335 U	0:54:58.30	+00:44:00.8	J2000.00	1.133	180.0	03:11:50.6	30.1	U	RGO	1 x 1	
228459	a0211sw U	1:32:08.33	-04:04:17.9	J2000.00	1.201	180.0	03:17:21.3	1198.9	U	RGO	1 x 1	

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228460 a0211sw U           1:32:08.34 -04:04:18.0 J2000.00 1.191 180.0 03:38:26.9   1198.9        U        RGO           1 x 1
228461 a0211sw U           1:32:08.34 -04:04:18.0 J2000.00 1.193 180.0 04:01:55.4   1198.8        U        RGO           1 x 1
228462 a0211ne U           1:34:14.10 -03:45:18.0 J2000.00 1.202 180.0 04:25:52.5   1198.9        U        RGO           1 x 1
228463 a0211ne U           1:34:14.10 -03:45:18.0 J2000.00 1.226 180.0 04:46:53.4   1198.7        U        RGO           1 x 1
228464 a0211ne U           1:34:14.10 -03:45:18.0 J2000.00 1.262 180.0 05:07:55.1   1198.3        U        RGO           1 x 1
228465 sa92-355            0:56:05.70 +00:50:46.9 J2000.00 1.338 180.0 05:30:25.6     30.1        U        RGO           1 x 1
228466 sa92-355            0:56:05.70 +00:50:46.9 J2000.00 1.343 180.0 05:31:58.8     29.6        U        RGO           1 x 1
228467 sa95-105 U          3:53:21.30 -00:00:18.8 J2000.00 1.161 180.0 05:34:58.5     30.1        U        RGO           1 x 1
228468 sa95-105 U          3:53:21.30 -00:00:18.9 J2000.00 1.159 180.0 05:36:31.2     30.0        U        RGO           1 x 1
228469 blank1 V            4:25:46.00 +54:09:03.0 B1950.00 1.121 180.0 06:06:02.4    120.0        V     Harris           1 x 1
228470 blank1 V            4:25:46.00 +54:09:03.0 B1950.00 1.119 180.0 06:10:43.4    120.0        V     Harris           1 x 1
228471 blank1 V            4:25:47.13 +54:09:13.0 B1950.00 1.117 180.0 06:14:07.6     19.6        V     Harris           1 x 1
228472 File not available
228473 File not available
228474 File not available
228475 File not available
228476 File not available
228477 File not available
228478 File not available
228479 File not available
228480 File not available
228481 File not available
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