INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

```
TELESCOPE:             INT
DATE:                  20011110
TAPE NR:
OBSERVER:              Harriet Cullen + Simon Hodgkin
PROGRAMME:             Wide Angle Survey
PATT/CAT REF.:         I/01B/WFS08
TELESCOPE OPERATOR:    N. O Mahony
SUPPORT ASTRONOMER:    R. Corradi

TELESCOPE FOCUS:       not specified
CALIBRATE RESULTS:     not specified

INSTRUMENT:            WFC

WFC FILTER WHEEL:      U,g,r,i,Z,V

WEATHER:               (1st half) bad
                       (2nd half) bad
CLOUD COVER (%):       (1st half) 95
                       (2nd half) 100
DUST (0-2):            (1st half) 0
                       (2nd half) 0
SEEING (arcsec):       (1st half) -
                       (2nd half) -

DOME OPENED (UT):      --:--
```

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
19:00	1.0	85	36.6	39.9	342	767.4	1.4	4.1	11.5	76	69
20:00	2.2	41	45.1	49.9	328	767.8	3.0	5.1	10.3	35	43
21:00	2.8	35	31.0	37.5	332	768.0	2.8	4.5	10.7	35	29
22:00	3.1	31	40.7	45.5	323	768.0	3.3	4.6	7.5	33	29
23:00	2.0	66	39.5	42.1	349	768.0	2.6	3.8	7.4	59	64
00:00	2.2	53	22.2	24.6	325	767.7	2.6	4.2	6.6	50	45
01:00	0.4	100	23.0	26.6	5	767.3	0.8	5.4	8.9	99	75
02:00	-0.6	100	23.8	26.3	352	766.7	-0.3	6.9	9.1	100	68
03:00	-0.2	100	25.0	27.4	357	766.7	0.1	7.4	9.3	100	67
04:00	-0.3	100	19.0	22.1	357	766.3	-0.1	8.0	9.5	100	67
05:00	-0.2	100	28.0	31.9	4	766.1	-0.0	8.6	9.4	100	64

```
SUNSET(UT)             18:28
EVENING TWILIGHT(UT)   19:42
MORNING TWILIGHT(UT)   06:10
SUNRISE(UT)            07:24
MOON'S QUARTER (1-4)   4
DISK % OF ILLUM.       23
DARK TIME              10:28
TWILIGHT TIME          02:28
MOONRISE(UT)           03:12
MOONSET(UT)            No moonset within sunset-sunrise

TIME LOST(WEATHER):    6:26
TIME LOST(TECHNICAL):  00:00
TIME LOST(OTHER):      00:00
```

COMMENTS:
Observed for four hours at beginning of night, but no useful data was taken due to very poor seeing, high humidity then forced us to close the telescope for the rest of the night.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
284631	DE Checks	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	15:22:38.4	2.0	i	Sloan	1 x 1	
284632	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	15:26:48.9	0.0	i	Sloan	1 x 1	
284633	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.196	180.0	18:10:55.1	0.0	i	Sloan	1 x 1	
284634	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.196	180.0	18:17:08.8	0.0	i	Sloan	1 x 1	
284635	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.196	180.0	18:17:48.0	0.0	i	Sloan	1 x 1	
284636	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.196	180.0	18:18:27.0	0.0	i	Sloan	1 x 1	
284637	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.196	180.0	18:19:06.0	0.0	i	Sloan	1 x 1	
284638	Flat field	22:58:00.00	+00:04:59.9	J2000.00	1.371	180.0	18:34:12.0	2.1	U	RGO	1 x 1	
284639	Flat field	22:58:02.00	+00:05:30.0	J2000.00	1.363	180.0	18:36:20.9	2.1	U	RGO	1 x 1	
284640	Flat field	22:58:04.00	+00:05:59.9	J2000.00	1.355	180.0	18:38:19.8	2.1	U	RGO	1 x 1	
284641	Flat field	22:58:05.99	+00:06:30.0	J2000.00	1.350	180.0	18:39:37.9	4.1	U	RGO	1 x 1	
284642	Flat field	22:58:00.00	+00:04:59.9	J2000.00	1.339	180.0	18:42:38.5	0.5	g	Sloan	1 x 1	
284643	Flat field	22:58:00.00	+00:05:00.0	J2000.00	1.334	180.0	18:43:58.7	2.1	g	Sloan	1 x 1	
284644	Flat field	22:58:01.99	+00:05:30.0	J2000.00	1.329	180.0	18:45:21.3	3.1	g	Sloan	1 x 1	
284645	Flat field	22:58:04.00	+00:06:00.0	J2000.00	1.325	180.0	18:46:28.0	3.1	g	Sloan	1 x 1	
284646	Flat field	22:57:59.99	+00:04:59.9	J2000.00	1.320	180.0	18:47:58.3	8.2	V	Harris	1 x 1	
284647	Flat field	22:58:02.00	+00:05:29.9	J2000.00	1.315	180.0	18:49:23.8	11.9	V	Harris	1 x 1	
284648	Flat field	22:58:04.00	+00:05:59.9	J2000.00	1.298	180.0	18:54:39.7	40.0	V	Harris	1 x 1	
284649	Flat field	22:58:00.00	+00:05:00.0	J2000.00	1.288	180.0	18:57:34.9	69.5	i	Sloan	1 x 1	
284650	Flat field	22:58:02.00	+00:05:30.0	J2000.00	1.280	180.0	18:59:60.5	99.5	i	Sloan	1 x 1	closed humidity
284651	Focus run	21:42:34.99	+00:18:45.8	J2000.00	1.140	180.0	19:52:50.6	10.1	r	Sloan	1 x 1	
284652	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.143	180.0	19:57:08.6	10.1	g	Sloan	1 x 1	
284653	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.144	180.0	19:58:15.4	10.1	r	Sloan	1 x 1	
284654	sa113-163 i	21:42:35.00	+00:16:46.0	J2000.00	1.144	180.0	19:59:27.7	10.1	i	Sloan	1 x 1	
284655	sa113-163 Z	21:42:34.99	+00:16:45.9	J2000.00	1.145	180.0	20:00:32.1	20.1	z	Gunn	1 x 1	
284656	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.146	180.0	20:01:47.6	60.0	U	RGO	1 x 1	
284657	SA113-163	21:42:34.99	+00:16:46.0	J2000.00	1.147	180.0	20:04:33.4	10.1	V	Harris	1 x 1	
284658	M31-microfld1	0:44:00.00	+41:34:00.1	J2000.00	1.174	180.0	20:09:38.4	319.9	r	Sloan	1 x 1	
284659	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.159	180.0	20:16:17.9	319.9	r	Sloan	1 x 1	
284660	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.145	180.0	20:22:59.1	319.9	i	Sloan	1 x 1	
284661	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.133	180.0	20:29:33.5	319.9	i	Sloan	1 x 1	
284662	M31-microfld2	0:43:10.00	+40:58:15.1	J2000.00	1.116	180.0	20:37:10.2	319.9	r	Sloan	1 x 1	
284663	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.105	180.0	20:43:43.2	319.8	r	Sloan	1 x 1	
284664	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.095	180.0	20:50:16.8	319.9	i	Sloan	1 x 1	
284665	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.085	180.0	20:56:50.5	319.9	i	Sloan	1 x 1	
284666	Focus run	21:42:35.00	+00:18:46.0	J2000.00	1.240	180.0	21:09:28.7	10.1	r	Sloan	1 x 1	44.00
284667	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.250	180.0	21:12:07.4	10.1	g	Sloan	1 x 1	poor seeing
284668	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.253	180.0	21:13:11.5	9.6	r	Sloan	1 x 1	do calibration
284669	sa113-163 i	21:42:35.00	+00:16:45.9	J2000.00	1.256	180.0	21:14:20.5	10.1	i	Sloan	1 x 1	photometric ?
284670	sa113-163 Z	21:42:34.99	+00:16:46.0	J2000.00	1.259	180.0	21:15:25.4	20.1	z	Gunn	1 x 1	
284671	sa113-163 U	21:42:34.99	+00:16:46.0	J2000.00	1.263	180.0	21:16:39.5	59.6	U	RGO	1 x 1	
284672	SA113-163	21:42:34.99	+00:16:45.9	J2000.00	1.267	180.0	21:18:43.7	10.1	V	Harris	1 x 1	
284673	SA113-163	21:42:34.99	+00:16:45.8	J2000.00	1.274	180.0	21:21:16.3	9.5	V	Harris	1 x 1	
284674	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.286	180.0	21:25:10.7	10.1	g	Sloan	1 x 1	
284675	sa113-163 r	21:42:35.00	+00:16:46.0	J2000.00	1.289	180.0	21:26:15.3	10.1	r	Sloan	1 x 1	
284676	sa113-163 i	21:42:34.99	+00:16:45.9	J2000.00	1.292	180.0	21:27:19.8	10.1	i	Sloan	1 x 1	
284677	sa113-163 Z	21:42:35.00	+00:16:46.0	J2000.00	1.296	180.0	21:28:24.4	20.1	z	Gunn	1 x 1	
284678	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.300	180.0	21:29:38.9	60.1	U	RGO	1 x 1	
284679	sa113-163 g	21:42:34.99	+00:16:45.9	J2000.00	1.313	180.0	21:33:48.5	9.6	g	Sloan	1 x 1	
284680	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.316	180.0	21:34:57.1	10.0	r	Sloan	1 x 1	
284681	sa113-163 i	21:42:35.00	+00:16:46.0	J2000.00	1.320	180.0	21:36:02.8	10.1	i	Sloan	1 x 1	
284682	sa113-163 Z	21:42:35.00	+00:16:45.9	J2000.00	1.324	180.0	21:37:08.7	20.1	z	Gunn	1 x 1	
284683	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.330	180.0	21:38:23.2	59.5	U	RGO	1 x 1	
284684	sa113-163 V	21:42:35.00	+00:16:46.0	J2000.00	1.336	180.0	21:40:38.0	10.1	V	Harris	1 x 1	
284685	sa113-163 V	21:42:35.00	+00:16:45.9	J2000.00	1.342	180.0	21:42:13.9	10.1	V	Harris	1 x 1	
284686	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.353	180.0	21:45:17.9	10.1	g	Sloan	1 x 1	
284687	sa113-163 r	21:42:35.00	+00:16:46.0	J2000.00	1.357	180.0	21:46:23.4	10.1	r	Sloan	1 x 1	
284688	sa113-163 i	21:42:35.00	+00:16:46.0	J2000.00	1.362	180.0	21:47:28.2	10.1	i	Sloan	1 x 1	
284689	sa113-163 Z	21:42:35.00	+00:16:46.0	J2000.00	1.366	180.0	21:48:33.5	19.6	z	Gunn	1 x 1	
284690	sa113-163 U	21:42:35.00	+00:16:46.0	J2000.00	1.373	180.0	21:49:49.4	60.0	U	RGO	1 x 1	

284691	sa113-163 g	21:42:35.00	+00:16:46.0	J2000.00	1.384	180.0	21:52:54.1	10.1	g	Sloan	1 x 1	
284692	sa113-163 r	21:42:34.99	+00:16:46.0	J2000.00	1.388	180.0	21:54:02.7	10.1	r	Sloan	1 x 1	
284693	sa113-163 i	21:42:35.00	+00:16:46.0	J2000.00	1.393	180.0	21:55:08.3	9.5	i	Sloan	1 x 1	
284694	sa113-163 Z	21:42:34.99	+00:16:46.0	J2000.00	1.398	180.0	21:56:12.9	20.0	z	Gunn	1 x 1	
284695	sa113-163 U	21:42:35.00	+00:16:46.0	J2000.00	1.405	180.0	21:57:28.6	60.1	U	RGO	1 x 1	
284696	sa113-163 V	21:42:35.00	+00:16:45.9	J2000.00	1.417	180.0	22:00:36.7	10.1	V	Harris	1 x 1	Seeing 3as
284697	sa92-335 V	0:55:00.00	+00:44:13.0	J2000.00	1.144	180.0	22:12:44.3	10.1	V	Harris	1 x 1	
284698	sa92-335 g	0:55:00.00	+00:44:12.9	J2000.00	1.143	180.0	22:14:22.5	9.6	g	Sloan	1 x 1	
284699	sa92-335 r	0:54:59.99	+00:44:13.0	J2000.00	1.142	180.0	22:15:46.5	8.0	r	Sloan	1 x 1	
284700	sa92-335 i	0:55:00.00	+00:44:12.9	J2000.00	1.141	180.0	22:16:55.3	10.1	i	Sloan	1 x 1	
284701	sa92-335 Z	0:55:00.00	+00:44:13.0	J2000.00	1.141	180.0	22:17:59.9	20.1	z	Gunn	1 x 1	
284702	sa92-335 U	0:54:59.99	+00:44:12.9	J2000.00	1.140	180.0	22:19:14.3	60.0	U	RGO	1 x 1	
284703	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.137	180.0	22:25:35.5	9.6	r	Sloan	1 x 1	seeing 5 pix
284704	wfssgc0035 r	23:08:00.00	+00:00:00.0	J2000.00	1.268	180.0	22:32:34.9	1199.3	r	Sloan	1 x 1	seeing 2as
284705	wfssgc0036 r	23:09:59.99	-00:00:00.1	J2000.00	1.339	180.0	22:57:23.8	1199.3	r	Sloan	1 x 1	seeing 4as