INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20001122
TAPE NR: INTD
OBSERVER: P Bunclark
PROGRAMME: Wide-Field Survey
PATT/CAT REF.: WFS9+M31
TELESCOPE OPERATOR:
SUPPORT ASTRONOMER:

TELESCOPE FOCUS: 46.1 mm
CALIBRATE RESULTS: HI 36.2 +/- 3.8, DI -58.3 +/- 1.3, HC 60.1 +/- 2.7, Sky sigma 4.2

INSTRUMENT: WFC

WFC FILTER WHEEL: UgriZV

WEATHER: (1st half) fair
(2nd half) fair
CLOUD COVER (%): (1st half) 0
(2nd half) 0
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 1.5
(2nd half) 1.7

DOME OPENED (UT): 18:00

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
19:00	4.9	36	23.7	26.4	287	771.2	5.3	8.0	9.3	34	29
20:00	4.8	35	23.7	27.2	293	771.7	5.4	6.6	8.9	31	30
21:00	5.6	58	35.8	37.1	329	772.3	6.2	7.3	8.9	49	46
22:00	5.6	85	25.6	27.8	335	772.5	6.1	7.6	8.3	85	71
23:00	5.7	93	19.5	22.1	323	772.9	6.2	7.7	8.5	84	77
00:00	5.4	93	15.2	16.8	322	773.1	6.2	8.7	8.9	84	71
01:00	5.8	93	26.3	29.1	336	772.9	6.2	7.9	8.7	88	79
02:00	6.0	93	28.4	29.0	297	773.0	6.5	8.7	8.5	85	75
03:00	6.2	91	20.3	20.5	288	772.7	6.7	8.7	8.6	86	76
04:00	7.6	66	16.7	18.2	292	772.4	8.2	8.5	8.7	57	67
05:00	6.2	94	13.8	14.1	269	772.4	6.5	8.6	8.7	91	74
06:00	8.0	65	0.0	0.3	230	772.7	8.2	8.6	8.6	66	65
07:00	6.8	79	22.7	24.5	292	773.2	7.6	8.7	8.8	81	72

SUNSET(UT) 18:23
EVENING TWILIGHT(UT) 19:38
MORNING TWILIGHT(UT) 06:18
SUNRISE(UT) 07:33
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 12
DARK TIME 10:40
TWILIGHT TIME 02:30
MOONRISE(UT) 05:02
MOONSET(UT) No moonset within sunset-sunrise

TIME LOST(WEATHER): 02:
TIME LOST(TECHNICAL): 0:15
TIME LOST(OTHER): 00:00

COMMENTS:
Loads of humidity especially in middle

Totally wet at end.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
236738	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.003	180.1	13:52:27.3	0.0	z	Gunn	1 x 1	trashed
236739	test	0:00:00.00	+00:00:00.0	J2000.00	1.003	180.1	14:00:38.6	4.1	U	RGO	1 x 1	trashed
236740	File not available sat’d, trashed											
236741	Sky background	22:58:00.00	+00:04:59.9	J2000.00	1.260	180.1	18:20:10.2	0.5	U	RGO	1 x 1	
236742	Sky background	22:58:01.99	+00:05:30.0	J2000.00	1.254	180.1	18:22:40.4	0.5	U	RGO	1 x 1	
236743	Sky background	22:58:04.00	+00:05:59.9	J2000.00	1.250	180.1	18:23:59.2	0.5	U	RGO	1 x 1	
236744	Sky background	22:58:06.00	+00:06:30.0	J2000.00	1.247	180.1	18:25:19.8	0.5	U	RGO	1 x 1	
236745	Sky background	22:58:06.00	+00:06:30.0	J2000.00	1.241	180.1	18:27:48.7	0.5	z	Gunn	1 x 1	
236746	Sky background	22:58:04.00	+00:06:00.0	J2000.00	1.238	180.1	18:29:16.7	0.5	z	Gunn	1 x 1	
236747	Sky background	22:58:02.00	+00:05:29.9	J2000.00	1.235	180.1	18:30:21.3	0.5	z	Gunn	1 x 1	
236748	Sky background	22:58:00.00	+00:04:59.9	J2000.00	1.231	180.1	18:32:20.4	0.5	g	Sloan	1 x 1	
236749	Sky background	22:58:01.99	+00:05:30.0	J2000.00	1.225	180.1	18:34:53.0	0.5	g	Sloan	1 x 1	
236750	Sky background	22:58:04.00	+00:06:00.0	J2000.00	1.223	180.1	18:36:03.8	0.5	g	Sloan	1 x 1	
236751	Sky background	22:58:03.99	+00:06:00.0	J2000.00	1.220	180.1	18:37:26.8	1.1	r	Sloan	1 x 1	
236752	Sky background	22:58:01.99	+00:05:30.0	J2000.00	1.218	180.1	18:38:36.0	1.6	r	Sloan	1 x 1	
236753	Sky background	22:58:04.00	+00:06:00.0	J2000.00	1.215	180.1	18:39:45.1	2.1	r	Sloan	1 x 1	
236754	Sky background	22:58:04.00	+00:05:59.9	J2000.00	1.213	180.1	18:40:41.5	2.1	i	Sloan	1 x 1	
236755	Sky background	22:58:02.00	+00:05:29.9	J2000.00	1.210	180.1	18:42:27.0	4.1	i	Sloan	1 x 1	
236756	Sky background	22:58:00.00	+00:05:00.0	J2000.00	1.208	180.1	18:43:43.4	6.1	i	Sloan	1 x 1	
236757	Sky background	22:58:00.00	+00:04:59.9	J2000.00	1.206	180.1	18:44:53.8	6.1	V	Harris	1 x 1	
236758	Sky background	22:58:02.00	+00:05:30.0	J2000.00	1.203	180.1	18:46:03.3	15.1	V	Harris	1 x 1	
236759	Sky background	22:58:04.00	+00:05:59.9	J2000.00	1.201	180.1	18:47:20.7	19.6	V	Harris	1 x 1	
236760	wfsj2240+0000_044	22:43:11.99	+01:00:00.0	J2000.00	1.138	180.1	20:09:25.6	598.9	U	RGO	1 x 1	
236762	wfsj2240+0000_044	22:43:12.00	+01:00:00.2	J2000.00	1.153	180.1	20:27:46.3	599.5	g	Sloan	1 x 1	
236763	wfsj2240+0000_044	22:43:11.99	+00:59:59.9	J2000.00	1.166	180.1	20:38:51.4	599.4	r	Sloan	1 x 1	
236764	wfsj2240+0000_044	22:43:11.99	+01:00:00.0	J2000.00	1.182	180.1	20:49:56.8	599.4	i	Sloan	1 x 1	
236765	wfsj2240+0000_044	22:43:11.99	+01:00:00.0	J2000.00	1.201	180.1	21:01:02.5	599.3	z	Gunn	1 x 1	
236766	wfsj2240+0000_044	22:43:12.00	+01:00:00.0	J2000.00	1.225	180.1	21:12:30.8	599.5	U	RGO	1 x 1	
236767	wfsj2240+0000_046	22:45:20.10	-01:20:00.1	J2000.00	1.284	180.1	21:26:12.8	599.4	g	Sloan	1 x 1	
236768	wfsj2240+0000_046	22:45:20.10	-01:20:00.0	J2000.00	1.317	180.1	21:37:17.4	599.4	r	Sloan	1 x 1	
236769	wfsj2240+0000_046	22:45:20.10	-01:20:00.0	J2000.00	1.356	180.1	21:48:39.7	599.6	i	Sloan	1 x 1	
236770	wfsj2240+0000_046	22:45:20.10	-01:20:00.0	J2000.00	1.401	180.1	22:00:03.0	599.5	z	Gunn	1 x 1	
236771	wfsj2240+0000_046	22:45:20.10	-01:19:59.9	J2000.00	1.452	180.1	22:11:26.3	599.6	U	RGO	1 x 1	
236773	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.040	180.1	22:31:09.5	319.8	r	Sloan	1 x 1	
236774	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.045	180.1	22:37:46.5	319.8	r	Sloan	1 x 1	
236775	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.050	180.1	22:44:24.3	319.7	i	Sloan	1 x 1	
236776	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.056	180.1	22:51:02.2	319.8	i	Sloan	1 x 1	
236777	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.062	180.1	22:58:44.7	319.2	r	Sloan	1 x 1	
236778	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.069	180.1	23:05:21.7	319.7	r	Sloan	1 x 1	
236779	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.077	180.1	23:11:58.9	319.8	i	Sloan	1 x 1	
236780	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.086	180.1	23:18:37.7	319.7	i	Sloan	1 x 1	
236781	sa95-330	3:54:30.70	+00:29:05.1	J2000.00	1.217	180.1	23:31:37.6	60.1	U	RGO	1 x 1	
236782	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.214	180.1	23:33:43.5	10.1	g	Sloan	1 x 1	
236783	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.211	180.1	23:34:57.8	10.1	r	Sloan	1 x 1	
236784	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.209	180.1	23:36:10.3	10.1	i	Sloan	1 x 1	
236785	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.207	180.1	23:37:23.9	10.1	z	Gunn	1 x 1	
236786	sa95-330	3:54:30.70	+00:29:04.9	J2000.00	1.204	180.1	23:38:37.6	10.1	V	Harris	1 x 1	
236787	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.1	23:41:39.3	0.0	V	Harris	1 x 1	Wet
236788	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.1	23:42:18.6	0.0	V	Harris	1 x 1	
236789	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.1	23:42:57.9	0.0	V	Harris	1 x 1	
236790	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.1	23:43:37.2	0.0	V	Harris	1 x 1	
236791	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.900	180.1	23:44:16.5	0.0	V	Harris	1 x 1	
236792	wfssgc147	2:52:00.00	-00:00:00.0	J2000.00	1.145	180.1	00:09:40.0	599.4	z	Gunn	1 x 1	
236793	wfssgc147	2:51:59.99	+00:00:00.0	J2000.00	1.152	180.1	00:21:28.5	599.5	g	Sloan	1 x 1	
236794	wfssgc147	2:51:59.99	+00:00:00.0	J2000.00	1.162	180.1	00:33:35.1	599.5	r	Sloan	1 x 1	
236795	wfssgc147	2:52:00.00	+00:00:00.0	J2000.00	1.205	180.1	01:04:44.8	599.4	i	Sloan	1 x 1	
236796	wfssgc147	2:52:00.00	+00:00:00.0	J2000.00	1.283	180.1	01:38:13.9	599.4	U	RGO	1 x 1	
236797	wfssgc148	2:54:00.00	-00:00:00.0	J2000.00	1.314	180.1	01:50:25.1	599.5	z	Gunn	1 x 1	
236798	wfssgc148	2:53:59.99	+00:00:00.0	J2000.00	1.354	180.1	02:01:48.0	599.3	g	Sloan	1 x 1	

236799	wfssgc148	2:54:00.00	+00:00:00.0	J2000.00	1.400	180.1	02:13:10.4	599.5	r	Sloan	1 x 1
236800	wfssgc148	2:53:59.99	+00:00:00.0	J2000.00	1.453	180.1	02:24:31.8	599.4	i	Sloan	1 x 1
236801	wfssgc148	2:54:00.00	-00:00:00.0	J2000.00	1.515	180.1	02:35:53.8	599.4	U	RGO	1 x 1
236802	wfsj0801+4019_018	7:57:41.10	+41:38:59.8	J2000.00	1.133	180.1	02:51:31.4	599.5	z	Gunn	1 x 1
236803	wfsj0801+4019_018	7:57:41.09	+41:39:00.0	J2000.00	1.113	180.1	03:02:43.6	599.6	g	Sloan	1 x 1
236804	wfsj0801+4019_018	7:57:41.10	+41:38:59.9	J2000.00	1.096	180.1	03:13:56.2	599.5	r	Sloan	1 x 1
236805	wfsj0801+4019_018	7:57:41.09	+41:39:00.0	J2000.00	1.080	180.1	03:25:07.6	599.4	i	Sloan	1 x 1
236806	wfsj0801+4019_018	7:57:41.09	+41:38:59.9	J2000.00	1.067	180.1	03:36:19.8	599.5	U	RGO	1 x 1
236807	sa98-670	6:52:11.50	-00:19:16.0	J2000.00	1.144	180.1	03:49:01.7	60.1	U	RGO	1 x 1
236808	sa98-670	6:52:11.49	-00:19:15.9	J2000.00	1.144	180.1	03:51:05.7	10.1	g	Sloan	1 x 1
236809	sa98-670	6:52:11.50	-00:19:15.9	J2000.00	1.144	180.1	03:52:18.7	9.6	r	Sloan	1 x 1
236810	sa98-670	6:52:11.50	-00:19:16.0	J2000.00	1.144	180.1	03:53:30.5	9.6	i	Sloan	1 x 1
236811	sa98-670	6:52:11.49	-00:19:16.0	J2000.00	1.144	180.1	03:54:43.7	9.6	z	Gunn	1 x 1
236812	sa98-670	6:52:11.50	-00:19:16.0	J2000.00	1.144	180.1	03:55:57.9	10.1	V	Harris	1 x 1
236813	wfsjsextans_015	10:11:00.99	-02:16:59.9	J2000.00	1.746	180.1	03:59:55.6	299.7	i	Sloan	1 x 1
236814	wfsjsextans_014	10:13:02.99	-02:16:59.9	J2000.00	1.700	180.1	04:07:31.7	299.9	i	Sloan	1 x 1
236815	sa101-427	9:57:26.50	-00:17:17.8	J2000.00	1.499	180.1	04:17:57.0	20.1	U	RGO	1 x 1
236816	sa101-427	9:57:26.49	-00:17:18.0	J2000.00	1.491	180.1	04:19:20.7	10.1	g	Sloan	1 x 1
236817	sa101-427	9:57:26.49	-00:17:18.0	J2000.00	1.485	180.1	04:20:36.7	10.1	r	Sloan	1 x 1
236818	sa101-427	9:57:26.50	-00:17:18.0	J2000.00	1.478	180.1	04:21:48.9	10.1	i	Sloan	1 x 1
236819	sa101-427	9:57:26.49	-00:17:18.0	J2000.00	1.471	180.1	04:23:02.7	20.1	z	Gunn	1 x 1
236820	sa101-427	9:57:26.50	-00:17:17.9	J2000.00	1.464	180.1	04:24:26.6	10.1	V	Harris	1 x 1
236821	wfsjsextans_009	10:11:01.00	-01:37:00.0	J2000.00	1.519	180.1	04:30:09.7	299.7	i	Sloan	1 x 1
236822	wfsjsextans_009	10:11:01.00	-01:37:00.0	J2000.00	1.487	180.1	04:36:05.6	299.9	V	Harris	1 x 1
236823	wfsjsextans_010	10:15:05.00	-01:56:59.8	J2000.00	1.478	180.1	04:43:04.8	299.9	i	Sloan	1 x 1
236824	wfsjsextans_010	10:15:05.00	-01:56:59.9	J2000.00	1.449	180.1	04:49:00.4	299.7	V	Harris	1 x 1
236825	wfsjsextans_011	10:13:03.00	-01:57:00.1	J2000.00	1.404	180.1	04:56:57.9	299.7	i	Sloan	1 x 1
236826	wfsjsextans_011	10:13:03.00	-01:57:00.0	J2000.00	1.376	180.1	05:03:56.2	299.8	V	Harris	1 x 1
236827	wfsjsextans_012	10:11:01.00	-01:57:00.1	J2000.00	1.343	180.1	05:10:59.9	299.8	i	Sloan	1 x 1
236828	wfsjsextans_012	10:11:01.00	-01:56:59.9	J2000.00	1.322	180.1	05:17:32.2	299.9	V	Harris	1 x 1
236829	wfsjsextans_013	10:15:04.99	-02:16:59.6	J2000.00	1.318	180.1	05:24:28.3	299.8	i	Sloan	1 x 1
236830	wfsjsextans_013	10:15:05.00	-02:16:59.9	J2000.00	1.299	180.1	05:31:01.5	299.8	V	Harris	1 x 1
236831	wfsjsextans_014	10:13:02.99	-02:17:00.1	J2000.00	1.268	180.1	05:40:49.9	299.9	i	Sloan	1 x 1
236832	wfsjsextans_014	10:13:03.00	-02:16:59.9	J2000.00	1.253	180.1	05:47:22.4	299.9	V	Harris	1 x 1
236833	wfsjsextans_015	10:11:01.00	-02:17:00.1	J2000.00	1.235	180.1	05:54:21.6	299.2	i	Sloan	1 x 1
236834	wfsjsextans_015	10:11:00.99	-02:16:59.8	J2000.00	1.223	180.1	06:00:53.5	299.8	V	Harris	1 x 1