INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:	INT
DATE:	20001019
TAPE NR:	INTD4533
OBSERVER:	S. Hodgkin
PROGRAMME:	wide angle survey
PATT/CAT REF.:	WFS09+M31
TELESCOPE OPERATOR:	J. Rey
SUPPORT ASTRONOMER:	N. Walton

TELESCOPE FOCUS: 46.15 mm
CALIBRATE RESULTS: HI 42.58 +/- 3.37, DI -38.64 +/- 1.11, HC 54.76 +/- 2.44, Sky sigma 2.94

INSTRUMENT: WFC

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

WEATHER:	(1st half) good
	(2nd half) good
CLOUD COVER (%):	(1st half) 0
	(2nd half) 10
DUST (0-2):	(1st half) 0
	(2nd half) 0
SEEING (arcsec):	(1st half) 1.0
	(2nd half) 1.2

DOME OPENED (UT): 18:45

METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
19:00	10.9	35	3.4	4.9	178	773.2	10.5	14.0	13.8	37	35
20:00	10.0	32	3.0	3.4	318	773.2	10.8	12.6	13.4	28	25
21:00	9.4	53	7.1	7.3	12	773.5	10.0	10.7	12.8	52	50
22:00	9.8	37	10.3	10.7	3	774.0	10.3	11.1	13.0	34	34
23:00	9.9	31	4.2	5.2	45	774.2	10.1	11.0	12.7	31	29
00:00	9.5	36	3.5	3.6	141	774.2	10.0	10.8	12.5	34	31
01:00	9.8	32	8.2	8.7	139	774.0	10.2	10.9	12.6	30	28
02:00	9.5	34	14.3	15.1	150	773.4	9.8	10.5	12.5	32	30
03:00	9.3	30	10.4	10.8	154	773.1	9.9	10.2	11.9	28	27
04:00	9.1	33	7.6	7.8	160	772.7	9.6	10.3	12.2	31	29
05:00	8.9	31	9.3	9.5	158	772.5	9.5	10.2	11.4	29	27
06:00	8.8	33	11.4	11.9	158	772.3	9.4	10.3	11.2	31	29
07:00	8.8	25	10.2	10.7	164	772.6	9.2	9.9	11.1	23	22

SUNSET(UT)	18:45
EVENING TWILIGHT(UT)	19:57
MORNING TWILIGHT(UT)	05:57
SUNRISE(UT)	07:08
MOON'S QUARTER (1-4)	3
DISK % OF ILLUM.	54
DARK TIME	10:00
TWILIGHT TIME	02:23
MOONRISE(UT)	23:57
MOONSET(UT)	No moonset within sunset-sunrise

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

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
233545	File not available												
233546	File not available												
233547	File not available												
233548	File not available												
233549	File not available												
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233601	File not available												
233602	File not available												
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233606	File not available										
233607	File not available										
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233635	File not available										
233636	File not available										
233637	File not available										
233638	File not available										
233639	File not available										
233640	Bias	15:15:14.99	+40:40:39.9	A	1.032	180.1	13:55:01.6	0.0	U	RGO	1 x 1
233641	test	0:00:00.00	+00:00:00.0	A	1.000	180.1	14:02:52.8	2.4	U	RGO	1 x 1
233642	test	0:00:00.00	+00:00:00.0	A	1.000	180.1	14:07:09.1	5.1	r	Sloan	1 x 1
233643	Bias	0:00:00.00	+00:00:00.0	A	4.242	180.1	16:09:57.2	0.0	z	Gunn	1 x 1
233644	Bias	0:00:00.00	+00:00:00.0	A	4.242	180.1	16:10:36.2	0.0	z	Gunn	1 x 1
233645	Bias	0:00:00.00	+00:00:00.0	A	4.242	180.1	16:11:15.7	0.0	z	Gunn	1 x 1
233646	Bias	0:00:00.00	+00:00:00.0	A	4.242	180.1	16:11:54.9	0.0	z	Gunn	1 x 1
233647	Bias	0:00:00.00	+00:00:00.0	A	4.242	180.1	16:12:34.0	0.0	z	Gunn	1 x 1
233648	Bias	0:00:00.00	+00:00:00.0	A	4.242	180.1	16:13:13.4	0.0	z	Gunn	1 x 1
233649	Bias	0:00:00.00	+00:00:00.0	A	4.242	180.1	16:13:52.5	0.0	z	Gunn	1 x 1
233650	Bias	0:00:00.00	+00:00:00.0	A	4.242	180.1	16:14:31.8	0.0	z	Gunn	1 x 1
233651	Bias	0:00:00.00	+00:00:00.0	A	4.242	180.1	16:15:11.0	0.0	z	Gunn	1 x 1
233652	Bias	0:00:00.00	+00:00:00.0	A	4.242	180.1	16:15:50.2	0.0	z	Gunn	1 x 1
233653	Flat field	0:00:00.00	+00:00:00.0	A	1.000	180.1	18:55:23.8	14.6	U	RGO	1 x 1
233655	Flat field	17:00:00.00	+41:00:00.0	J2000.00	1.224	180.1	19:00:27.3	4.5	z	Gunn	1 x 1
233656	Flat field	17:00:02.64	+41:00:29.9	J2000.00	1.228	180.1	19:01:57.8	8.2	z	Gunn	1 x 1
233657	Flat field	17:00:02.65	+41:00:29.9	J2000.00	1.233	180.1	19:03:26.0	18.6	z	Gunn	1 x 1
233658	Flat field	16:59:57.35	+41:00:29.9	J2000.00	1.238	180.1	19:05:10.2	5.2	g	Sloan	1 x 1
233659	Flat field	16:59:57.35	+41:00:30.0	J2000.00	1.241	180.1	19:06:16.1	7.1	g	Sloan	1 x 1
233660	Flat field	16:59:59.99	+41:00:29.9	J2000.00	1.245	180.1	19:07:41.3	8.1	g	Sloan	1 x 1
233661	Flat field	17:00:00.00	+40:59:59.9	J2000.00	1.252	180.1	19:09:36.9	18.6	r	Sloan	1 x 1
233662	Flat field	17:00:02.65	+41:00:30.0	J2000.00	1.257	180.1	19:11:16.5	27.1	r	Sloan	1 x 1
233663	Flat field	17:00:02.64	+40:59:29.9	J2000.00	1.264	180.1	19:13:19.5	43.6	r	Sloan	1 x 1
233664	Flat field	17:00:00.00	+40:59:59.9	J2000.00	1.272	180.1	19:15:34.8	56.4	i	Sloan	1 x 1
233665	Flat field	17:00:02.65	+41:00:29.9	J2000.00	1.281	180.1	19:18:07.7	94.2	i	Sloan	1 x 1
233666	Focus run	18:42:45.00	+00:10:04.2	J2000.00	1.246	180.1	19:37:10.5	15.1	i	Sloan	1 x 1
233667	wfsj1637+4116_40	16:40:58.29	+40:55:59.9	J2000.00	1.524	180.1	19:49:28.0	599.4	i	Sloan	1 x 1
233668	sa110-361 g	18:42:45.00	+00:08:04.0	J2000.00	1.346	180.1	20:08:50.5	10.1	g	Sloan	1 x 1

233669	sa110-361 r	18:42:45.00	+00:08:03.9	J2000.00	1.350	180.1	20:10:01.6	10.1	r	Sloan	1 x 1
233670	sa110-361 i	18:42:45.00	+00:08:03.9	J2000.00	1.355	180.1	20:11:11.9	10.1	i	Sloan	1 x 1
233671	sa110-361 Z	18:42:45.00	+00:08:03.9	J2000.00	1.360	180.1	20:12:22.7	20.1	z	Gunn	1 x 1
233672	sa110-361 U	18:42:44.99	+00:08:04.0	J2000.00	1.366	180.1	20:13:43.8	60.1	U	RGO	1 x 1
233673	wfsj2240+0000_001	22:34:39.90	-01:20:00.0	J2000.00	1.237	180.1	20:23:18.2	599.5	z	Gunn	1 x 1
233674	wfsj2240+0000_015	22:36:47.99	+00:19:59.9	J2000.00	1.193	180.1	20:38:16.3	599.5	U	RGO	1 x 1
233675	wfsj2240+0000_016	22:36:48.00	+00:40:00.0	J2000.00	1.168	180.1	20:52:46.9	599.4	U	RGO	1 x 1
233676	wfsj2240+0000_016	22:36:47.99	+00:40:00.0	J2000.00	1.154	180.1	21:05:24.7	599.4	g	Sloan	1 x 1
233677	wfsj2240+0000_016	22:36:48.00	+00:39:59.9	J2000.00	1.143	180.1	21:19:27.5	599.3	i	Sloan	1 x 1
233678	wfsj2240+0000_017	22:36:48.00	+00:59:59.9	J2000.00	1.132	180.1	21:35:06.8	599.3	U	RGO	1 x 1
233679	wfsj2240+0000_018	22:36:47.89	+01:19:59.9	J2000.00	1.126	180.1	21:50:18.7	599.5	U	RGO	1 x 1
233680	wfsj2240+0000_019	22:38:56.00	-01:19:59.9	J2000.00	1.158	180.1	22:04:46.8	599.3	U	RGO	1 x 1
233681	wfsj2240+0000_020	22:38:55.99	-01:00:00.0	J2000.00	1.160	180.1	22:18:46.8	599.6	U	RGO	1 x 1
233682	wfsj2240+0000_025	22:38:56.00	+00:40:00.0	J2000.00	1.160	180.1	22:40:02.1	599.4	U	RGO	1 x 1
233683	wfsj2240+0000_026	22:38:56.00	+01:00:00.0	J2000.00	1.174	180.1	22:53:51.4	599.5	U	RGO	1 x 1
233684	wfsj2240+0000_026	22:38:55.99	+00:59:59.9	J2000.00	1.196	180.1	23:07:29.1	599.4	i	Sloan	1 x 1
233685	wfsj0219-0500_013	2:15:47.20	-05:19:59.9	J2000.00	1.383	180.1	23:33:33.2	599.5	U	RGO	1 x 1
233686	wfsj0219-0500_014	2:15:47.30	-05:00:00.0	J2000.00	1.335	180.1	23:46:42.4	599.4	U	RGO	1 x 1
233687	wfsj0219-0500_015	2:15:47.40	-04:40:00.0	J2000.00	1.296	180.1	23:59:31.4	599.4	U	RGO	1 x 1
233688	wfsj0219-0500_022	2:17:55.69	-05:20:00.0	J2000.00	1.275	180.1	00:15:54.6	599.4	U	RGO	1 x 1
233689	wfsj0219-0500_022	2:17:55.70	-05:20:00.0	J2000.00	1.255	180.1	00:27:30.9	599.3	g	Sloan	1 x 1
233690	wfsj0219-0500_024	2:17:55.79	-04:40:00.0	J2000.00	1.221	180.1	00:45:49.6	599.4	g	Sloan	1 x 1
233692	wfsj0219-0500_031	2:20:04.29	-05:20:00.0	J2000.00	1.216	180.1	01:04:17.3	599.6	g	Sloan	1 x 1
233693	wfsj0219-0500_032	2:20:04.19	-04:59:59.8	J2000.00	1.205	180.1	01:17:06.0	599.5	g	Sloan	1 x 1
233694	wfsj0219-0500_033	2:20:04.19	-04:39:59.9	J2000.00	1.198	180.1	01:30:38.6	599.6	g	Sloan	1 x 1
233695	M31-microfld1	0:43:59.98	+41:34:00.1	J2000.00	1.108	180.1	01:46:16.5	319.3	r	Sloan	1 x 1
233696	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.119	180.1	01:52:57.9	319.6	r	Sloan	1 x 1
233697	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.131	180.1	01:59:37.9	319.6	i	Sloan	1 x 1
233698	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.144	180.1	02:06:19.3	319.7	i	Sloan	1 x 1
233699	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.160	180.1	02:14:05.4	319.8	r	Sloan	1 x 1
233700	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.175	180.1	02:20:46.3	319.8	r	Sloan	1 x 1
233701	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.191	180.1	02:27:27.9	319.8	i	Sloan	1 x 1
233702	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.209	180.1	02:34:09.9	319.8	i	Sloan	1 x 1
233703	wfsj0347+2400-iz01	3:49:18.06	+24:49:12.9	J2000.00	1.004	180.1	02:47:39.6	599.4	i	Sloan	1 x 1
233704	wfsj0347+2400-iz01	3:49:18.07	+24:49:13.0	J2000.00	1.002	180.1	02:59:15.9	599.4	z	Gunn	1 x 1
233705	wfsj0347+2400-iz02	3:51:36.99	+24:19:38.0	J2000.00	1.004	180.1	03:13:42.2	599.5	i	Sloan	1 x 1
233706	wfsj0347+2400-iz02	3:51:36.99	+24:19:38.1	J2000.00	1.007	180.1	03:24:47.8	599.3	z	Gunn	1 x 1
233707	wfsj0347+2400-iz03	3:51:59.99	+24:40:59.9	J2000.00	1.012	180.1	03:37:52.7	599.4	i	Sloan	1 x 1
233708	wfsj0347+2400-iz03	3:52:00.00	+24:41:00.0	J2000.00	1.019	180.1	03:48:58.8	599.5	z	Gunn	1 x 1
233709	wfsj0347+2400-iz04	3:46:29.99	+23:50:00.1	J2000.00	1.036	180.1	04:00:58.7	599.4	i	Sloan	1 x 1
233710	wfsj0347+2400-iz04	3:46:30.00	+23:50:00.0	J2000.00	1.048	180.1	04:12:07.2	599.5	z	Gunn	1 x 1
233711	wfsj0347+2400-iz07	3:44:46.56	+23:32:12.7	J2000.00	1.069	180.1	04:25:13.5	599.4	i	Sloan	1 x 1
233712	wfsj0347+2400-iz07	3:44:46.55	+23:32:12.8	J2000.00	1.088	180.1	04:36:20.2	599.5	z	Gunn	1 x 1
233713	wfsj0347+2400-iz08	3:43:34.08	+24:15:43.8	J2000.00	1.111	180.1	04:48:15.7	599.6	i	Sloan	1 x 1
233714	wfsj0347+2400-iz08	3:43:34.07	+24:15:44.0	J2000.00	1.135	180.1	04:59:23.6	599.4	z	Gunn	1 x 1
233715	wfsj0347+2400-iz11	3:42:44.25	+23:38:13.9	J2000.00	1.173	180.1	05:12:28.9	599.4	i	Sloan	1 x 1
233716	wfsj0347+2400-iz11	3:42:44.26	+23:38:14.0	J2000.00	1.205	180.1	05:23:34.8	599.4	z	Gunn	1 x 1
233717	wfsj0347+2400-iz15	3:49:51.74	+23:07:02.6	J2000.00	1.223	180.1	05:35:29.3	599.3	i	Sloan	1 x 1
233718	wfsj0347+2400-iz15	3:49:51.75	+23:07:02.7	J2000.00	1.261	180.1	05:46:34.3	599.6	z	Gunn	1 x 1
233719	wfsj0347+2400-iz16	3:52:05.87	+23:07:02.8	J2000.00	1.299	180.1	05:58:28.9	599.5	i	Sloan	1 x 1
233720	wfsj0347+2400-iz16	3:52:05.87	+23:07:02.8	J2000.00	1.348	180.1	06:09:35.1	599.6	z	Gunn	1 x 1
233721	sa98-670 g	6:52:12.00	-00:19:16.9	J2000.00	1.148	180.1	06:27:49.2	10.1	g	Sloan	1 x 1
233722	sa98-670 r	6:52:12.00	-00:19:17.0	J2000.00	1.149	180.1	06:29:01.8	10.1	r	Sloan	1 x 1
233723	sa98-670 i	6:52:12.00	-00:19:16.9	J2000.00	1.150	180.1	06:30:12.5	10.1	i	Sloan	1 x 1
233724	sa98-670 Z	6:52:12.00	-00:19:16.9	J2000.00	1.150	180.1	06:31:22.4	20.1	z	Gunn	1 x 1
233725	sa98-670 U	6:52:12.00	-00:19:16.8	J2000.00	1.151	180.1	06:32:42.6	60.1	U	RGO	1 x 1
233726	sa101-427 g	9:57:26.00	-00:17:15.9	J2000.00	1.472	180.1	06:36:36.6	10.1	g	Sloan	1 x 1
233727	sa101-427 r	9:57:26.00	-00:17:16.0	J2000.00	1.466	180.1	06:37:47.0	10.1	r	Sloan	1 x 1
233728	sa101-427 i	9:57:26.00	-00:17:16.0	J2000.00	1.460	180.1	06:38:57.8	10.1	i	Sloan	1 x 1
233729	sa101-427 Z	9:57:26.00	-00:17:16.0	J2000.00	1.454	180.1	06:40:07.9	20.1	z	Gunn	1 x 1
233730	sa101-427 U	9:57:26.00	-00:17:16.0	J2000.00	1.446	180.1	06:41:27.6	59.6	U	RGO	1 x 1
233731	Flat field	8:01:00.00	+49:59:59.9	J2000.00	1.077	180.1	06:49:39.7	38.2	U	RGO	1 x 1

233732	Flat field	8:00:59.99	+49:59:59.9	J2000.00	1.076	180.1	06:51:43.9	20.1	U	RGO	1 x 1
233733	Flat field	8:01:03.11	+50:00:30.0	J2000.00	1.076	180.1	06:53:12.7	6.1	U	RGO	1 x 1
233734	Flat field	8:01:06.22	+50:01:00.1	J2000.00	1.076	180.1	06:54:39.5	5.6	U	RGO	1 x 1