INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20010918
TAPE NR:
OBSERVER:             D. Lennon, J. Walsh
PROGRAMME:            Local group census
PATT/CAT REF.:        WFS4/M31
TELESCOPE OPERATOR:   M. Azzaro
SUPPORT ASTRONOMER:   D. Lennon

TELESCOPE FOCUS:      43.95 mm
CALIBRATE RESULTS:    not specified

INSTRUMENT:           WFC

WFC FILTER WHEEL:     StY,g,r,i,Ha,O3

WEATHER:              (1st half) good
                      (2nd half) good
CLOUD COVER (%):      (1st half) 0
                      (2nd half) 5
DUST (0-2):           (1st half) 0
                      (2nd half) 0
SEEING (arcsec):      (1st half) 1.1
                      (2nd half) 1.1

DOME OPENED (UT):     19:10
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METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	14.6	37	23.2	25.1	264	771.9	15.0	18.3	17.7	35	29
21:00	14.3	36	25.6	26.4	269	772.2	14.6	16.2	17.7	33	29
22:00	13.9	39	21.6	23.8	281	772.6	14.2	15.9	17.3	37	32
23:00	13.5	41	17.9	19.8	298	772.7	14.1	15.4	17.1	38	34
00:00	14.2	39	15.7	16.5	269	772.9	14.8	15.3	16.6	36	35
01:00	13.8	40	16.7	18.8	325	772.7	14.4	15.1	17.0	38	35
02:00	14.1	37	25.6	27.7	272	772.5	14.6	15.2	16.9	35	33
03:00	13.7	41	19.3	21.4	306	772.2	14.2	15.3	16.8	38	35
04:00	13.6	39	16.6	19.0	329	771.8	14.2	15.2	16.7	37	33
05:00	13.2	46	23.6	26.0	323	771.3	13.8	14.8	16.5	41	38
06:00	13.3	41	23.5	24.8	279	771.3	13.8	14.6	16.6	39	39

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SUNSET(UT)            19:21
EVENING TWILIGHT(UT)  20:33
MORNING TWILIGHT(UT)  05:39
SUNRISE(UT)           06:51
MOON'S QUARTER (1-4)  1
DISK % OF ILLUM.      4
DARK TIME             09:06
TWILIGHT TIME         02:24
MOONRISE(UT)          No moonrise within sunset-sunrise
MOONSET(UT)           20:28

TIME LOST(WEATHER):   00:00
TIME LOST(TECHNICAL): 00:00
TIME LOST(OTHER):     00:00
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
280365	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	90.0	13:25:03.1	0.0	g	Sloan	1	1 x 1	

280366	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.667	180.0	15:14:46.5	0.0	Halpha	Narrow-ban	1	1 x 1
280367	Flat field	16:59:59.99	+41:00:00.0	J2000.00	1.055	180.0	19:29:24.1	5.0	Halpha	Narrow-ban	1	1 x 1
280368	Flat field	17:00:00.44	+41:00:04.9	J2000.00	1.057	180.0	19:30:46.8	19.7	Halpha	Narrow-ban	1	1 x 1
280369	Flat field	17:00:00.88	+41:00:10.0	J2000.00	1.059	180.0	19:32:52.5	12.4	Halpha	Narrow-ban	1	1 x 1
280370	Flat field	16:59:59.11	+41:00:10.0	J2000.00	1.060	180.0	19:34:26.6	19.3	Halpha	Narrow-ban	1	1 x 1
280371	Flat field	16:59:59.11	+41:00:10.0	J2000.00	1.062	180.0	19:36:08.7	27.3	[OIII]50	Narrow-ban	1	1 x 1
280372	Flat field	17:00:00.88	+41:00:09.9	J2000.00	1.064	180.0	19:38:00.2	44.1	[OIII]50	Narrow-ban	1	1 x 1
280373	Flat field	17:00:00.44	+41:00:05.0	J2000.00	1.067	180.0	19:40:10.3	77.9	[OIII]50	Narrow-ban	1	1 x 1
280374	Flat field	17:00:00.44	+41:00:04.9	J2000.00	1.070	180.0	19:43:36.5	15.7	g	Sloan	1	1 x 1
280375	Flat field	17:00:00.88	+41:00:10.0	J2000.00	1.072	180.0	19:45:05.8	24.1	g	Sloan	1	1 x 1
280376	Flat field	16:59:59.11	+41:00:09.9	J2000.00	1.075	180.0	19:47:07.4	36.7	g	Sloan	1	1 x 1
280377	Bias	16:59:59.11	+41:00:10.0	J2000.00	1.078	180.0	19:49:54.7	0.0	r	Sloan	1	1 x 1
280378	Bias	16:59:59.11	+41:00:09.9	J2000.00	1.079	180.0	19:50:34.0	0.0	r	Sloan	1	1 x 1
280379	Bias	16:59:59.11	+41:00:10.0	J2000.00	1.080	180.0	19:51:15.0	0.0	r	Sloan	1	1 x 1
280380	Bias	16:59:59.11	+41:00:10.0	J2000.00	1.081	180.0	19:51:54.1	0.0	r	Sloan	1	1 x 1
280381	Focus run	18:42:52.70	+00:08:21.1	J2000.00	1.139	180.0	20:04:23.7	5.1	i	Sloan	1	1 x 1
280382	Landolt 110 364 i	18:42:52.70	+00:07:56.0	J2000.00	1.140	180.0	20:13:18.6	10.1	i	Sloan	1	1 x 1
280383	Landolt 110 364 r	18:42:52.70	+00:07:56.0	J2000.00	1.140	180.0	20:14:33.9	10.1	r	Sloan	1	1 x 1
280384	Landolt 110 364 g	18:42:52.69	+00:07:56.1	J2000.00	1.141	180.0	20:15:58.1	10.1	g	Sloan	1	1 x 1
280385	Landolt 110 364 st	18:42:52.70	+00:07:56.0	J2000.00	1.141	180.0	20:18:11.5	19.6		ubvy	1	1 x 1
280386	ngc6833 Halpha	19:49:46.60	+48:57:40.0	J2000.00	1.078	180.0	20:25:34.9	3.1	Halpha	Narrow-ban	1	1 x 1
280387	ngc6833 [OIII]	19:49:46.60	+48:57:40.0	J2000.00	1.076	180.0	20:28:43.6	4.6	[OIII]50	Narrow-ban	1	1 x 1
280388	G24-9 g	20:11:28.41	+06:33:35.9	B1950.00	1.113	180.0	20:34:32.6	40.1	g	Sloan	1	1 x 1
280389	SP1942+261	19:42:21.90	+26:05:59.4	B1950.00	1.006	180.0	20:39:16.1	10.2	Halpha	Narrow-ban	1	1 x 1
280390	SP1942+261	19:42:21.90	+26:05:59.4	B1950.00	1.005	180.0	20:41:30.7	4.6	[OIII]50	Narrow-ban	1	1 x 1
280391	SP1942+261	19:42:21.89	+26:05:59.4	B1950.00	1.004	180.0	20:43:34.3	5.1		ubvy	1	1 x 1
280392	ngc6822_nw Ha	19:44:41.40	-14:36:10.9	J2000.00	1.375	180.0	20:56:22.8	1198.8	Halpha	Narrow-ban	1	1 x 1
280393	ngc6822_nw Ha	19:44:41.40	-14:36:10.8	J2000.00	1.383	180.0	21:18:24.9	1198.6	Halpha	Narrow-ban	1	1 x 1
280394	ngc6822_nw Ha	19:44:41.40	-14:36:10.9	J2000.00	1.407	180.0	21:40:30.0	1198.7	Halpha	Narrow-ban	1	1 x 1
280395	ngc6822_nw g	19:44:41.39	-14:36:11.0	J2000.00	1.441	180.0	22:06:11.5	399.7	g	Sloan	1	1 x 1
280396	ngc6822_nw g	19:44:41.40	-14:36:11.0	J2000.00	1.461	180.0	22:14:47.5	398.7	g	Sloan	1	1 x 1
280397	ngc6822_nw g	19:44:41.39	-14:36:10.9	J2000.00	1.484	180.0	22:23:25.3	400.1	g	Sloan	1	1 x 1
280398	ngc6822_nw r	19:44:41.40	-14:36:10.9	J2000.00	1.511	180.0	22:32:16.7	399.7	r	Sloan	1	1 x 1
280399	ngc6822_nw r	19:44:41.39	-14:36:11.0	J2000.00	1.541	180.0	22:40:54.4	399.6	r	Sloan	1	1 x 1
280400	ngc6822_nw r	19:44:41.40	-14:36:10.9	J2000.00	1.575	180.0	22:49:35.5	399.8	r	Sloan	1	1 x 1
280401	ngc6822_nw i	19:44:41.40	-14:36:11.0	J2000.00	1.614	180.0	22:58:25.5	399.7	i	Sloan	1	1 x 1
280402	ngc6822_nw i	19:44:41.40	-14:36:11.1	J2000.00	1.657	180.0	23:07:03.5	399.6	i	Sloan	1	1 x 1
280403	ngc6822_nw i	19:44:41.39	-14:36:10.9	J2000.00	1.706	180.0	23:15:41.6	399.6	i	Sloan	1	1 x 1
280404	wfsjm31_022 Ha	0:44:48.21	+39:24:58.1	J2000.00	1.177	180.0	23:28:24.8	1198.6	Halpha	Narrow-ban	1	1 x 1
280405	wfsjm31_022 Ha	0:44:48.20	+39:24:58.1	J2000.00	1.129	180.0	23:50:28.3	1198.9	Halpha	Narrow-ban	1	1 x 1
280406	wfsjm31_022 Ha	0:44:48.19	+39:24:58.1	J2000.00	1.091	180.0	00:12:32.0	1198.4	Halpha	Narrow-ban	1	1 x 1
280407	wfsjm31_022 O3	0:44:48.19	+39:24:58.0	J2000.00	1.059	180.0	00:37:21.1	1198.7	[OIII]50	Narrow-ban	1	1 x 1
280408	wfsjm31_022 O3	0:44:48.20	+39:24:58.3	J2000.00	1.038	180.0	00:59:24.7	1198.7	[OIII]50	Narrow-ban	1	1 x 1
280409	wfsjm31_022 O3	0:44:48.19	+39:24:58.1	J2000.00	1.025	180.0	01:21:27.6	1198.7	[OIII]50	Narrow-ban	1	1 x 1
280410	wfsjm31_022 StrY	0:44:48.19	+39:24:58.0	J2000.00	1.019	180.0	01:43:44.6	599.5		ubvy	1	1 x 1
280411	wfsjm31_022 StrY	0:44:48.20	+39:24:58.1	J2000.00	1.018	180.0	01:55:48.6	599.4		ubvy	1	1 x 1
280412	wfsjm31_022 StrY	0:44:48.20	+39:24:58.1	J2000.00	1.018	180.0	02:07:53.9	599.5		ubvy	1	1 x 1
280413	wfsjm31_022 g	0:44:48.20	+39:24:58.0	J2000.00	1.021	180.0	02:24:30.3	399.7	g	Sloan	1	1 x 1
280414	wfsjm31_022 g	0:44:48.20	+39:24:58.0	J2000.00	1.025	180.0	02:33:13.0	399.7	g	Sloan	1	1 x 1
280415	wfsjm31_022 g	0:44:48.19	+39:24:58.1	J2000.00	1.029	180.0	02:41:55.6	399.5	g	Sloan	1	1 x 1
280416	wfsjm31_022 r	0:44:48.20	+39:24:58.1	J2000.00	1.034	180.0	02:50:48.6	399.8	r	Sloan	1	1 x 1
280417	wfsjm31_022 r	0:44:48.19	+39:24:57.9	J2000.00	1.041	180.0	02:59:27.8	399.7	r	Sloan	1	1 x 1
280418	wfsjm31_022 r	0:44:48.19	+39:24:58.2	J2000.00	1.049	180.0	03:08:05.8	399.6	r	Sloan	1	1 x 1
280419	wfsjm31_022 i	0:44:48.19	+39:24:58.0	J2000.00	1.057	180.0	03:16:53.5	399.6	i	Sloan	1	1 x 1
280420	wfsjm31_022 i	0:44:48.20	+39:24:58.2	J2000.00	1.067	180.0	03:25:31.0	399.6	i	Sloan	1	1 x 1
280421	wfsjm31_022 i	0:44:48.19	+39:24:58.0	J2000.00	1.078	180.0	03:34:08.6	399.5	i	Sloan	1	1 x 1
280422	M31-microfld1	0:44:00.01	+41:34:00.1	J2000.00	1.100	180.0	03:44:17.4	319.8	r	Sloan	1	1 x 1
280423	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.110	180.0	03:50:57.3	319.7	r	Sloan	1	1 x 1
280424	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.122	180.0	03:57:35.5	319.2	i	Sloan	1	1 x 1
280425	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.134	180.0	04:04:16.4	319.7	i	Sloan	1	1 x 1
280426	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.149	180.0	04:11:59.6	319.8	r	Sloan	1	1 x 1
280427	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.164	180.0	04:18:41.5	319.8	r	Sloan	1	1 x 1

280428	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.179	180.0	04:25:26.6	319.5	i	Sloan	1	1 x 1
280429	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.196	180.0	04:32:09.9	319.8	i	Sloan	1	1 x 1
280431	m33b1 g	1:33:37.00	+30:23:59.9	J2000.00	1.129	180.0	04:56:42.8	399.7	g	Sloan	1	1 x 1
280432	m33b1 r	1:33:37.00	+30:24:00.0	J2000.00	1.150	180.0	05:05:37.9	399.6	r	Sloan	1	1 x 1
280433	m33b1 i	1:33:37.00	+30:24:00.0	J2000.00	1.173	180.0	05:14:31.4	399.7	i	Sloan	1	1 x 1
280435	MAC2-1	5:03:41.90	-06:10:02.0	J2000.00	1.258	180.0	05:26:13.9	60.1	Halpha	Narrow-ban	1	1 x 1
280436	MAC2-1	5:03:41.90	-06:10:01.9	J2000.00	1.251	180.0	05:32:11.3	20.1	[OIII]50	Narrow-ban	1	1 x 1
280437	MAC2-1	5:03:41.90	-06:10:01.9	J2000.00	1.243	180.0	05:38:07.9	30.1	[OIII]50	Narrow-ban	1	1 x 1
280438	SP0501+527	5:05:30.60	+52:49:55.8	J2000.00	1.106	180.0	05:41:47.5	10.1	[OIII]50	Narrow-ban	1	1 x 1
280439	SP0501+527	5:05:30.60	+52:49:55.8	J2000.00	1.105	180.0	05:43:07.8	10.2	Halpha	Narrow-ban	1	1 x 1
280440	SP0501+527	5:05:30.60	+52:49:55.8	J2000.00	1.105	180.0	05:44:25.5	10.1		ubvy	1	1 x 1
280441	95-132	3:54:51.70	+00:05:21.9	J2000.00	1.154	180.0	05:50:42.7	10.1	g	Sloan	1	1 x 1
280442	95-132	3:54:51.70	+00:05:22.0	J2000.00	1.156	180.0	05:52:47.3	5.1	r	Sloan	1	1 x 1
280443	95-132	3:54:51.70	+00:05:21.9	J2000.00	1.157	180.0	05:54:10.9	5.1	i	Sloan	1	1 x 1
280444	95-132	3:54:51.70	+00:05:21.9	J2000.00	1.158	180.0	05:55:18.5	3.1	i	Sloan	1	1 x 1
280445	95-132	3:54:51.69	+00:05:22.0	J2000.00	1.160	180.0	05:56:28.6	3.1	r	Sloan	1	1 x 1
280446	95-132	3:54:51.70	+00:05:22.0	J2000.00	1.161	180.0	05:57:39.5	5.1	g	Sloan	1	1 x 1
280447	SP0642+021	6:42:37.20	+02:11:26.0	B1950.00	1.289	180.0	06:03:14.0	10.1	[OIII]50	Narrow-ban	1	1 x 1
280448	SP0642+021	6:42:37.20	+02:11:26.0	B1950.00	1.283	180.0	06:04:56.8	10.1	Halpha	Narrow-ban	1	1 x 1
280449	SP0642+021	6:42:37.20	+02:11:26.0	B1950.00	1.279	180.0	06:06:21.5	4.6		ubvy	1	1 x 1
280450	Flat field	2:57:59.99	-00:06:00.0	J2000.00	1.345	180.0	06:24:02.5	58.2	r	Sloan	1	1 x 1
280451	Flat field	2:58:00.33	-00:05:55.0	J2000.00	1.354	180.0	06:26:44.5	25.4	r	Sloan	1	1 x 1
280452	Flat field	2:58:00.67	-00:05:50.1	J2000.00	1.362	180.0	06:28:57.4	16.9	r	Sloan	1	1 x 1
280453	Flat field	2:58:00.66	-00:05:50.0	J2000.00	1.369	180.0	06:30:43.6	11.2	i	Sloan	1	1 x 1
280454	Flat field	2:57:59.66	-00:06:05.2	J2000.00	1.376	180.0	06:32:26.2	6.7	i	Sloan	1	1 x 1
280455	Flat field	2:57:59.33	-00:06:10.2	J2000.00	1.382	180.0	06:34:07.8	4.2	i	Sloan	1	1 x 1
280456	Flat field	2:57:59.33	-00:06:10.2	J2000.00	1.389	180.0	06:35:42.6	13.5		ubvy	1	1 x 1
280457	Flat field	2:58:00.33	-00:05:54.9	J2000.00	1.396	180.0	06:37:22.4	7.8		ubvy	1	1 x 1
280458	Flat field	2:58:00.66	-00:05:49.8	J2000.00	1.404	180.0	06:39:15.7	5.9		ubvy	1	1 x 1
280459	Bias	2:58:00.66	-00:05:50.0	J2000.00	1.409	180.0	06:40:26.1	0.0		ubvy	1	1 x 1
280460	Bias	2:58:00.66	-00:05:49.9	J2000.00	1.412	180.0	06:41:07.0	0.0		ubvy	1	1 x 1
280461	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.417	180.0	06:41:46.5	0.0		ubvy	1	1 x 1
280462	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.159	180.0	06:42:26.2	0.0		ubvy	1	1 x 1
280463	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.899	180.0	06:45:05.6	0.0		ubvy	1	1 x 1