INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20000924
TAPE NR: INTD4512
OBSERVER: Carme Jordi
PROGRAMME: M31: eclipsing binaries
PATT/CAT REF.: C2
TELESCOPE OPERATOR: -----
SUPPORT ASTRONOMER: -----

TELESCOPE FOCUS: 46.20 mm
CALIBRATE RESULTS: HI 34.23 +/- 4.25, DI -64.15 +/- 1.43, HC 64.17 +/- 3.06, Sky sigma 3.77

INSTRUMENT: WFC

WFC FILTER WHEEL: g r V R i B

WEATHER: (1st half) bad
(2nd half) fair
CLOUD COVER (%): (1st half) 40
(2nd half) 5
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 1.0
(2nd half) 1.1

DOME OPENED (UT): 18:30

METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	9.2	18	16.3	17.9	12	770.8	9.6	11.6	12.9	17	16
21:00	9.5	16	16.9	17.8	24	771.3	10.0	11.5	12.9	15	15
22:00	9.6	15	17.9	19.0	30	771.9	10.1	11.1	12.8	14	14
23:00	10.6	12	9.3	12.2	50	772.4	10.8	11.6	12.6	11	11
00:00	10.1	13	11.9	13.0	58	772.2	10.5	11.5	12.5	12	13
01:00	9.3	16	11.4	12.1	13	771.8	9.7	11.0	12.5	15	15
02:00	9.3	16	10.7	11.4	69	771.8	9.7	10.6	12.2	15	15
03:00	9.7	14	7.8	8.7	53	771.6	10.2	10.6	12.2	13	14
04:00	9.9	14	7.8	8.1	20	771.3	10.2	10.2	12.1	13	15
05:00	9.7	15	9.3	9.8	21	771.1	10.0	9.9	12.2	15	16
06:00	9.5	15	7.2	10.0	83	770.9	10.1	10.2	12.0	13	14

SUNSET(UT) 19:13
EVENING TWILIGHT(UT) 20:25
MORNING TWILIGHT(UT) 05:43
SUNRISE(UT) 06:54
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 11
DARK TIME 09:18
TWILIGHT TIME 02:23
MOONRISE(UT) 04:14
MOONSET(UT) No moonset within sunset-sunrise

TIME LOST(WEATHER): 05:40
TIME LOST(TECHNICAL): 01:00
TIME LOST(OTHER): 00:00

COMMENTS:
filter wheel stuck at about 04:40 UT

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
230651	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.710	180.0	15:52:59.0	0.0	B	Harris	1 x 1	AP pos.+dome
230652	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.710	180.0	15:58:14.2	0.0	B	Harris	1 x 1	AP position+dome
230653	Dark frame	0:00:00.00	+00:00:00.0	J2000.00	4.710	180.0	16:04:27.4	900.0	B	Harris	1 x 1	
230654	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	18:36:56.5	0.0	B	Harris	1 x 1	
230655	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	18:38:32.7	0.0	B	Harris	1 x 1	
230656	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	18:40:14.2	0.0	B	Harris	1 x 1	
230657	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.066	180.0	19:25:36.2	2.0	B	Harris	1 x 1	BLANK4
230658	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.064	180.0	19:27:12.5	4.9	B	Harris	1 x 1	BLANK4
230659	Flat field	19:19:08.99	+12:22:05.0	B1950.00	1.063	180.0	19:28:49.5	9.1	B	Harris	1 x 1	BLANK4
230660	Flat field	19:19:08.99	+12:22:04.9	B1950.00	1.061	180.0	19:30:17.0	10.9	B	Harris	1 x 1	BLANK4
230661	Flat field	19:19:08.99	+12:22:05.0	B1950.00	1.060	180.0	19:31:29.3	7.1	B	Harris	1 x 1	BLANK4
230662	Flat field	19:19:08.99	+12:22:05.0	B1950.00	1.059	180.0	19:32:48.6	7.1	V	Harris	1 x 1	BLANK4
230663	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.058	180.0	19:34:13.6	12.1	V	Harris	1 x 1	BLANK4
230664	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.057	180.0	19:35:44.3	30.1	V	Harris	1 x 1	BLANK4
230665	Flat field	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	19:39:00.1	30.1	V	Harris	1 x 1	zenit
230666	Flat field	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	19:41:49.7	100.1	B	Harris	1 x 1	zenit
230667	Focus run	20:42:54.89	+00:17:02.9	J2000.00	1.281	180.0	19:49:45.1	10.1	B	Harris	1 x 1	
230668	Focus run	20:42:54.90	+00:17:03.0	J2000.00	1.256	180.0	19:58:54.6	9.6	B	Harris	1 x 1	
230669	Focus run	20:42:54.90	+00:17:03.0	J2000.00	1.235	180.0	20:07:29.2	10.1	V	Harris	1 x 1	
230670	m31 B	0:44:45.99	+41:38:19.8	J2000.00	2.138	180.0	20:24:42.0	899.2	B	Harris	1 x 1	low elevation
230671	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.953	180.0	20:40:45.9	899.1	V	Harris	1 x 1	low elevation
230672	Dark frame	0:44:46.00	+41:38:19.9	J2000.00	1.768	180.0	21:00:37.8	900.0	V	Harris	1 x 1	
230673	Dark frame	0:44:46.00	+41:38:20.0	J2000.00	1.645	180.0	21:23:24.2	100.0	V	Harris	1 x 1	
230674	Dark frame	0:44:46.00	+41:38:19.9	J2000.00	1.560	180.0	21:30:00.6	900.0	V	Harris	1 x 1	
230675	Dark frame	0:44:45.99	+41:38:20.0	J2000.00	1.358	180.0	22:10:28.4	900.0	V	Harris	1 x 1	
230676	Bias frame	0:44:46.00	+41:38:19.9	J2000.00	1.314	180.0	22:29:15.2	0.0	V	Harris	1 x 1	
230677	m31	0:44:45.99	+41:38:20.0	J2000.00	1.029	180.0	01:16:26.9	100.0	V	Harris	1 x 1	test image
230678	m31 B	0:44:46.00	+41:38:19.9	J2000.00	1.026	180.0	01:31:23.8	899.1	B	Harris	1 x 1	clouds, low S/N
230679	m31 V	0:44:46.00	+41:38:19.9	J2000.00	1.027	180.0	01:47:28.7	899.2	V	Harris	1 x 1	low S/N
230680	m31 B	0:44:45.99	+41:38:20.0	J2000.00	1.033	180.0	02:04:28.9	899.2	B	Harris	1 x 1	slightly better
230681	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.042	180.0	02:20:33.0	899.3	V	Harris	1 x 1	cirrus
230682	m31 B	0:44:46.00	+41:38:19.9	J2000.00	1.054	180.0	02:37:18.9	899.2	B	Harris	1 x 1	cirrus
230683	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.071	180.0	02:53:22.7	899.1	V	Harris	1 x 1	
230684	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.092	180.0	03:10:04.2	899.0	B	Harris	1 x 1	
230685	m31 V	0:44:45.99	+41:38:20.0	J2000.00	1.117	180.0	03:26:12.0	899.0	V	Harris	1 x 1	
230686	m31 B	0:44:45.99	+41:38:20.1	J2000.00	1.148	180.0	03:42:42.3	899.0	B	Harris	1 x 1	
230687	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.184	180.0	03:58:46.9	899.1	V	Harris	1 x 1	
230688	M31-microfld1	0:44:00.00	+41:34:00.1	J2000.00	1.223	180.0	04:18:13.2	319.7	r	Sloan	1 x 1	
230689	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.243	180.0	04:24:57.6	319.3	r	Sloan	1 x 1	
230690	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.263	180.0	04:31:40.3	319.8	i	Sloan	1 x 1	
230691	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.285	180.0	04:38:21.8	319.9	i	Sloan	1 x 1	
230693	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.121	180.0	06:10:30.2	-0.3			1 x 1	B: about 2000
230694	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.127	180.0	06:19:09.0	-0.3			1 x 1	B
230696	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.131	180.0	06:25:12.8	-0.3			1 x 1	B
230697	Flat field	0:00:00.00	+00:00:00.0	B1950.00	4.493	180.0	06:32:02.0	-1.6			1 x 1	wrong
230698	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.139	180.0	06:35:06.2	-1.6			1 x 1	V about 40000
230699	Flat field	4:25:45.99	+54:09:03.0	B1950.00	1.140	180.0	06:36:35.1	-1.7			1 x 1	V SATURAT
230700	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.141	180.0	06:37:38.0	-1.6			1 x 1	V saturat
230701	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.142	180.0	06:38:45.4	-1.6			1 x 1	V saturat