INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20000923
TAPE NR: INTD4511
OBSERVER: Carme Jordi
PROGRAMME: M31: eclipsing binaries
PATT/CAT REF.: C2
TELESCOPE OPERATOR: Jürg Rey
SUPPORT ASTRONOMER: Juan Carlos Vega

TELESCOPE FOCUS: 46.10 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: B g r V R i

WEATHER: (1st half) fair
(2nd half) good
CLOUD COVER (%): (1st half) 50
(2nd half) 0
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 1.6
(2nd half) 1.5

DOME OPENED (UT): 18:55

METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	8.1	32	19.5	20.1	322	770.1	8.2	12.5	13.1	32	30
21:00	7.7	32	15.0	15.6	335	770.4	8.1	9.8	12.9	30	32
22:00	7.7	39	12.3	13.1	350	770.8	8.3	9.3	12.5	33	32
23:00	7.4	51	12.0	13.0	356	771.1	7.4	9.5	12.5	54	43
00:00	8.4	26	9.9	10.3	4	771.1	8.7	9.4	12.2	19	22
01:00	8.6	25	8.5	8.7	46	771.1	9.0	9.7	12.1	24	23
02:00	8.9	24	6.6	7.1	55	770.9	9.3	9.7	11.9	24	23
03:00	9.1	22	6.7	6.8	61	770.5	9.4	9.8	11.9	21	21
04:00	9.2	20	11.4	11.8	48	770.2	9.6	9.4	11.8	20	21
05:00	8.8	22	8.0	8.8	92	769.9	8.9	9.1	11.8	23	21
06:00	8.8	19	9.7	11.4	146	769.8	9.2	9.3	11.6	19	19

SUNSET(UT) 19:15
EVENING TWILIGHT(UT) 20:26
MORNING TWILIGHT(UT) 05:42
SUNRISE(UT) 06:54
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 19
DARK TIME 09:16
TWILIGHT TIME 02:23
MOONRISE(UT) 03:08
MOONSET(UT) No moonset within sunset-sunrise

TIME LOST(WEATHER): 01:00
TIME LOST(TECHNICAL): 00:20
TIME LOST(OTHER): 00:00

COMMENTS:
some clouds until 21:30 TU
filter wheel stuck

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
230586												
230588	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:13:40.2	6.6	B	Harris	1 x 1	Saturado
230589	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:16:12.0	7.3	B	Harris	1 x 1	Saturado
230590	Sky Flat field B	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:22:22.8	1.1	B	Harris	1 x 1	~ 40000 cuentas
230591	Sky Flat field B	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:24:04.6	1.0	B	Harris	1 x 1	~ 25000 cuentas
230592	Sky Flat field B	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:25:37.7	2.1	B	Harris	1 x 1	~ 33000 cuentas
230594	Sky Flay V	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:30:20.3	5.1	V	Harris	1 x 1	~ 20000 cuentas
230595	Sky Flay V	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:31:52.6	7.1	V	Harris	1 x 1	~ 17000 cuentas
230596	Sky Flay V	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:34:19.8	12.1	V	Harris	1 x 1	~ 16000 cuentas
230597	Sky Flay V	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:35:56.0	20.1	V	Harris	1 x 1	~ 29000 cuentas
230598	Sky Flay V	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:37:43.2	28.1	V	Harris	1 x 1	~ 19000 cuentas
230599	Sky Flay R	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:39:16.5	33.1	R	Harris	1 x 1	~ 17000 cuentas
230600	Sky Flat R	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:41:03.9	42.1	R	Harris	1 x 1	~ 22000 cuentas
230601	Sky Flat R	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:43:07.0	60.1	R	Harris	1 x 1	~ 17000 cuentas
230602	Focus run	18:42:35.50	+00:17:32.1	J2000.00	1.143	180.0	20:07:33.0	10.1	R	Harris	1 x 1	
230603	Focus run	18:42:35.50	+00:17:32.0	J2000.00	1.149	180.0	20:16:18.0	10.1	R	Harris	1 x 1	Nubes
230604	Focus run	18:42:35.50	+00:17:32.1	J2000.00	1.155	180.0	20:23:34.6	9.6	R	Harris	1 x 1	Nubes
230605	Focus run	18:42:35.50	+00:17:02.0	J2000.00	1.162	180.0	20:31:09.9	30.1	R	Harris	1 x 1	Nubes
230606	Focus run	20:42:54.90	+00:17:03.0	J2000.00	1.175	180.0	20:44:53.6	9.6	R	Harris	1 x 1	nubes
230607	Focus run	20:42:54.89	+00:17:03.0	J2000.00	1.167	180.0	20:51:43.1	10.1	R	Harris	1 x 1	
230608	Focus run	20:42:54.90	+00:17:03.0	J2000.00	1.142	180.0	21:22:35.2	10.1	R	Harris	1 x 1	
230609	Focus run	20:42:54.90	+00:17:03.0	J2000.00	1.138	180.0	21:32:25.3	5.1	R	Harris	1 x 1	
230610	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.490	180.0	21:46:08.3	899.1	B	Harris	1 x 1	
230611	m31 V	0:44:46.00	+41:38:19.9	J2000.00	1.410	180.0	22:02:12.5	899.1	V	Harris	1 x 1	
230612	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.277	180.0	22:36:17.7	899.2	B	Harris	1 x 1	
230613	m31 V	0:44:46.00	+41:38:19.9	J2000.00	1.228	180.0	22:52:20.5	898.6	V	Harris	1 x 1	
230614	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.183	180.0	23:09:48.4	899.1	B	Harris	1 x 1	
230615	m31 V	0:44:45.99	+41:38:20.0	J2000.00	1.147	180.0	23:25:52.2	898.9	V	Harris	1 x 1	
230616	m31 B	0:44:46.00	+41:38:19.9	J2000.00	1.116	180.0	23:42:55.5	899.2	B	Harris	1 x 1	
230617	m31 V	0:44:45.99	+41:38:19.9	J2000.00	1.091	180.0	23:58:59.8	899.1	V	Harris	1 x 1	
230618	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.069	180.0	00:16:15.5	899.2	B	Harris	1 x 1	
230619	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.053	180.0	00:32:19.7	899.1	V	Harris	1 x 1	
230620	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.040	180.0	00:49:10.7	899.1	B	Harris	1 x 1	
230621	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.032	180.0	01:05:14.7	898.6	V	Harris	1 x 1	
230622	m31 B	0:44:46.00	+41:38:19.9	J2000.00	1.027	180.0	01:45:45.6	899.3	B	Harris	1 x 1	
230623	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.030	180.0	02:01:49.6	899.1	V	Harris	1 x 1	
230624	m31 B	0:44:46.00	+41:38:19.9	J2000.00	1.038	180.0	02:18:32.1	899.2	B	Harris	1 x 1	
230625	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.049	180.0	02:34:36.6	899.2	V	Harris	1 x 1	
230626	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.063	180.0	02:54:38.5	319.2	r	Sloan	1 x 1	
230627	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.070	180.0	03:01:21.9	319.6	r	Sloan	1 x 1	
230628	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.078	180.0	03:08:04.1	319.8	i	Sloan	1 x 1	
230629	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.087	180.0	03:14:45.9	319.6	i	Sloan	1 x 1	
230630	M31-microfld2	0:21:35.00	+20:29:07.5	J2000.00	1.098	180.0	03:22:37.7	319.7	r	Sloan	1 x 1	
230631	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.108	180.0	03:29:20.0	319.8	r	Sloan	1 x 1	
230632	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.120	180.0	03:36:02.8	319.8	i	Sloan	1 x 1	
230633	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.132	180.0	03:42:45.8	319.8	i	Sloan	1 x 1	
230634	m31 B	0:44:45.99	+41:38:19.9	J2000.00	1.160	180.0	03:52:14.7	899.2	B	Harris	1 x 1	
230635	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.198	180.0	04:08:18.6	898.6	V	Harris	1 x 1	
230636	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.243	180.0	04:24:52.0	899.1	B	Harris	1 x 1	
230637	m31 V	0:44:46.00	+41:38:19.9	J2000.00	1.295	180.0	04:40:54.6	898.6	V	Harris	1 x 1	
230638	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.357	180.0	04:57:22.6	898.6	B	Harris	1 x 1	
230639	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.427	180.0	05:13:25.6	899.2	V	Harris	1 x 1	
230640	m31 B	0:44:45.99	+41:38:20.0	J2000.00	1.517	180.0	05:30:47.8	899.1	B	Harris	1 x 1	
230641	m31 V	0:44:45.99	+41:38:20.0	J2000.00	1.615	180.0	05:46:51.0	899.2	V	Harris	1 x 1	
230642	Flat field	0:00:00.00	+00:00:00.0	J2000.00	4.479	180.0	06:19:12.9	-0.3	i	Sloan	1 x 1	wrong
230643	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:28:17.6	-1.6	i	Sloan	1 x 1	filter V
230644	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:31:52.8	-1.6	i	Sloan	1 x 1	filter V
230645	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:33:45.7	-1.6	i	Sloan	1 x 1	filter V
230646	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.813	180.0	06:39:18.9	-34.6	R	Harris	1 x 1	filter B ?
230647	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:40:36.2	-2.6	R	Harris	1 x 1	filter B ?

230648	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:42:03.8	-1.6	R	Harris	1 x 1	filter B ?
230649	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:43:16.6	-1.6	R	Harris	1 x 1	filter B ?
230650	Flat field	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:44:25.1	-1.9	R	Harris	1 x 1	filter B ?