INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20000925
TAPE NR: INTD4513
OBSERVER: Carme Jordi
PROGRAMME: M31: eclipsing binaries
PATT/CAT REF.: C2
TELESCOPE OPERATOR: -----
SUPPORT ASTRONOMER: -----

TELESCOPE FOCUS: 46.22 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) good
(2nd half) good
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) 1.0

DOME OPENED (UT): 19:15

METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	7.2	70	19.6	20.4	5	772.4	7.3	14.9	13.4	74	51
21:00	7.6	69	16.5	17.7	27	773.0	7.6	10.6	13.3	73	61
22:00	7.4	71	18.5	19.0	25	773.5	7.7	9.4	12.9	69	64
23:00	10.0	24	19.1	19.4	14	774.2	10.1	10.5	12.5	20	25
00:00	9.3	40	26.0	26.5	9	774.0	9.2	9.9	12.4	40	42
01:00	9.5	44	26.1	26.6	9	773.9	9.8	10.2	12.2	44	43
02:00	9.2	52	21.3	21.5	13	773.7	9.5	10.2	12.2	49	47
03:00	9.6	44	18.3	18.7	24	773.7	9.9	10.4	12.1	46	46
04:00	9.3	46	22.6	23.5	35	773.4	9.7	9.5	12.1	44	50
05:00	9.1	51	16.2	16.9	28	773.5	9.3	9.4	12.1	49	52
06:00	8.8	52	13.7	13.9	26	773.4	9.1	9.2	11.9	53	52

SUNSET(UT) 19:12
EVENING TWILIGHT(UT) 20:24
MORNING TWILIGHT(UT) 05:43
SUNRISE(UT) 06:55
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 6
DARK TIME 09:19
TWILIGHT TIME 02:24
MOONRISE(UT) 05:20
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
230702	Bias	0:00:00.00	+00:00:00.0	A	1.192	180.0	16:43:15.4	0.0	R	Harris		1 x 1	

230703	Flat field	19:19:08.99	+12:22:05.0	B1950.00	1.061	180.0	19:27:07.7	5.9	B	Harris	1 x 1
230704	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.059	180.0	19:28:55.2	10.0	B	Harris	1 x 1
230705	Flat field	19:19:08.99	+12:22:05.0	B1950.00	1.058	180.0	19:31:07.4	17.9	B	Harris	1 x 1
230706	Flat field	19:19:08.99	+12:22:05.0	B1950.00	1.056	180.0	19:32:41.7	102.3	B	Harris	1 x 1 saturat
230707	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.053	180.0	19:35:40.0	212.4	V	Harris	1 x 1 saturat
230708	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.050	180.0	19:41:56.2	50.1	V	Harris	1 x 1
230709	Flat field	19:19:08.99	+12:22:04.8	B1950.00	1.049	180.0	19:44:02.6	150.0	V	Harris	1 x 1
230710	Focus run	20:42:54.90	+00:17:03.1	J2000.00	1.264	180.0	19:51:42.1	10.1	V	Harris	1 x 1
230711	Focus run	20:42:54.90	+00:17:03.0	J2000.00	1.245	180.0	19:59:26.4	10.1	B	Harris	1 x 1
230712	Focus run	20:42:54.90	+00:17:03.0	J2000.00	1.224	180.0	20:08:28.2	10.1	B	Harris	1 x 1
230713	m31 B	0:44:46.00	+41:38:19.9	J2000.00	2.153	180.0	20:19:34.6	899.1	B	Harris	1 x 1
230714	m31 V	0:44:45.98	+41:38:20.1	J2000.00	1.965	180.0	20:35:39.7	899.1	V	Harris	1 x 1
230715	m31 B	0:44:46.00	+41:38:19.9	J2000.00	1.732	180.0	21:01:08.9	899.1	B	Harris	1 x 1
230716	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.616	180.0	21:17:15.5	898.6	V	Harris	1 x 1
230717	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.527	180.0	21:35:34.7	319.8	r	Sloan	1 x 1
230718	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.490	180.0	21:42:17.3	319.8	r	Sloan	1 x 1
230719	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.455	180.0	21:49:02.5	319.8	i	Sloan	1 x 1
230720	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.422	180.0	21:55:45.8	319.8	i	Sloan	1 x 1
230721	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.384	180.0	22:03:31.9	319.8	r	Sloan	1 x 1
230722	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.356	180.0	22:10:11.7	319.7	r	Sloan	1 x 1
230723	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.329	180.0	22:16:52.2	319.8	i	Sloan	1 x 1
230724	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.305	180.0	22:23:30.7	319.4	i	Sloan	1 x 1
230725	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.260	180.0	22:33:53.4	899.2	B	Harris	1 x 1
230726	m31 V	0:44:45.99	+41:38:20.2	J2000.00	1.213	180.0	22:49:56.0	899.1	V	Harris	1 x 1
230727	m31 B	0:44:46.00	+41:38:19.9	J2000.00	1.169	180.0	23:07:54.8	899.2	B	Harris	1 x 1
230728	m31 V	0:44:45.99	+41:38:20.0	J2000.00	1.136	180.0	23:23:57.8	899.2	V	Harris	1 x 1
230729	m31 B	0:44:45.99	+41:38:20.0	J2000.00	1.108	180.0	23:39:55.2	899.0	B	Harris	1 x 1
230730	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.084	180.0	23:55:57.8	899.2	V	Harris	1 x 1
230731	m31 B	0:44:45.99	+41:38:20.0	J2000.00	1.065	180.0	00:12:31.7	899.2	B	Harris	1 x 1
230732	m31 V	0:44:45.99	+41:38:19.9	J2000.00	1.050	180.0	00:28:42.0	899.0	V	Harris	1 x 1
230733	m31 B	0:44:46.00	+41:38:19.9	J2000.00	1.038	180.0	00:44:44.5	899.1	B	Harris	1 x 1
230734	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.031	180.0	01:00:48.6	898.6	V	Harris	1 x 1
230735	M31 B	0:44:46.00	+41:38:20.0	J2000.00	1.027	180.0	01:16:53.2	899.0	B	Harris	1 x 1
230736	M31 V	0:44:46.00	+41:38:19.9	J2000.00	1.026	180.0	01:32:56.4	899.0	V	Harris	1 x 1
230737	M31 B	0:44:46.00	+41:38:20.2	J2000.00	1.029	180.0	01:49:02.0	899.3	B	Harris	1 x 1
230738	M31 V	0:44:45.99	+41:38:20.0	J2000.00	1.035	180.0	02:05:04.9	899.1	V	Harris	1 x 1
230739	M31 B	0:44:45.99	+41:38:19.9	J2000.00	1.045	180.0	02:21:12.7	899.1	B	Harris	1 x 1
230740	M31 V	0:44:46.00	+41:38:20.0	J2000.00	1.058	180.0	02:37:15.8	899.1	V	Harris	1 x 1
230741	M31 B	0:44:46.00	+41:38:19.7	J2000.00	1.075	180.0	02:53:22.8	899.1	B	Harris	1 x 1
230742	M31 V	0:44:46.00	+41:38:20.0	J2000.00	1.097	180.0	03:09:25.9	899.1	V	Harris	1 x 1
230743	M31 B	0:44:46.00	+41:38:20.0	J2000.00	1.125	180.0	03:26:53.8	899.1	B	Harris	1 x 1
230744	M31 V	0:44:46.00	+41:38:20.0	J2000.00	1.157	180.0	03:42:56.9	899.3	V	Harris	1 x 1
230745	M31 B	0:44:46.00	+41:38:19.9	J2000.00	1.194	180.0	03:59:09.1	899.2	B	Harris	1 x 1
230746	M31 V	0:44:46.00	+41:38:19.9	J2000.00	1.238	180.0	04:15:11.8	899.1	V	Harris	1 x 1
230747	M31 B	0:44:45.99	+41:38:19.9	J2000.00	1.289	180.0	04:31:16.5	899.2	B	Harris	1 x 1
230748	M31 V	0:44:46.00	+41:38:20.0	J2000.00	1.348	180.0	04:47:19.8	899.2	V	Harris	1 x 1
230749	M31 B	0:44:45.99	+41:38:19.7	J2000.00	1.417	180.0	05:03:28.8	899.2	B	Harris	1 x 1
230750	M31 V	0:44:46.00	+41:38:19.9	J2000.00	1.498	180.0	05:19:31.6	899.2	V	Harris	1 x 1
230751	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.598	180.0	05:36:19.6	898.5	B	Harris	1 x 1
230752	m31 V	0:44:45.99	+41:38:20.0	J2000.00	1.711	180.0	05:52:23.1	899.2	V	Harris	1 x 1
230753	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:09:54.5	0.0	V	Harris	1 x 1
230754	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:10:51.9	0.0	V	Harris	1 x 1
230755	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:11:48.8	0.0	V	Harris	1 x 1
230756	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:13:07.7	0.0	V	Harris	1 x 1
230757	Flat field	4:25:45.99	+54:09:03.0	B1950.00	1.131	180.0	06:21:09.8	100.0	V	Harris	1 x 1
230758	Flat field	4:25:45.99	+54:09:03.0	B1950.00	1.134	180.0	06:24:59.6	100.0	V	Harris	1 x 1
230759	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.136	180.0	06:28:26.6	30.1	V	Harris	1 x 1
230760	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.138	180.0	06:30:26.8	20.1	V	Harris	1 x 1
230761	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.140	180.0	06:32:13.6	40.1	B	Harris	1 x 1
230762	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.141	180.0	06:34:13.3	10.1	B	Harris	1 x 1
230763	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.143	180.0	06:35:38.0	5.1	B	Harris	1 x 1
230764	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.144	180.0	06:36:57.3	4.1	B	Harris	1 x 1

230765	Flat field	4:25:46.00	+54:09:02.9	B1950.00	1.145	180.0	06:38:03.3	1.1	B	Harris	1 x 1
230766	Flat field	4:25:45.99	+54:09:02.8	B1950.00	1.146	180.0	06:39:05.8	1.1	B	Harris	1 x 1
230767	Flat field	4:25:45.99	+54:09:03.0	B1950.00	1.147	180.0	06:40:14.2	1.2	B	Harris	1 x 1
230768	Flat field	4:25:45.99	+54:09:03.0	B1950.00	1.148	180.0	06:41:25.1	2.1	B	Harris	1 x 1
230769	Bias frame	4:25:46.00	+54:09:03.0	B1950.00	1.150	180.0	06:42:52.9	0.0	B	Harris	1 x 1