INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20000926
TAPE NR:              INTD4514
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) 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) 1.2
                      (2nd half) 1.2

DOME OPENED (UT):     18:45
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METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	10.9	26	18.1	19.0	31	774.3	11.3	14.3	13.3	24	21
21:00	10.8	30	22.8	25.3	21	774.6	11.1	12.8	13.3	29	26
22:00	10.5	28	21.6	24.1	43	774.9	10.6	11.8	13.0	28	26
23:00	9.6	18	24.8	30.0	21	775.2	10.0	11.4	13.0	17	17
00:00	10.4	21	26.6	28.7	29	775.3	10.8	11.7	12.9	19	17
01:00	11.1	16	24.3	28.7	14	775.0	11.6	12.3	12.8	16	16
02:00	11.1	19	28.7	32.0	21	774.9	11.5	12.3	12.7	17	17
03:00	11.1	15	25.5	31.3	48	774.5	11.6	12.2	12.8	13	14
04:00	11.5	6	33.0	34.7	37	774.1	11.9	11.9	12.9	6	6
05:00	11.1	17	36.9	40.5	35	774.0	11.6	11.8	12.7	18	15
06:00	11.1	12	30.6	32.1	50	773.8	11.7	11.7	12.7	15	13

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SUNSET(UT)            19:11
EVENING TWILIGHT(UT)  20:22
MORNING TWILIGHT(UT)  05:44
SUNRISE(UT)           06:55
MOON'S QUARTER (1-4)  4
DISK % OF ILLUM.      2
DARK TIME             09:22
TWILIGHT TIME         02:22
MOONRISE(UT)          06:23
MOONSET(UT)           No moonset within sunset-sunrise

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
230770	Bias frame						12:49:25.1	0.0	B	Harris	1 x 1	

230771	Bias frame	14:00:00.00	-00:00:00.0	J2000.00	1.291	180.0	12:57:05.8	0.0	V	Harris	1 x 1
230772	Flat field	19:19:08.99	+12:22:05.0	B1950.00	1.070	180.0	19:13:13.6	6.2	B	Harris	1 x 1 saturat
230773	Bias frame	19:19:09.00	+12:22:04.9	B1950.00	1.063	180.0	19:20:56.0	0.0	B	Harris	1 x 1
230774	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.061	180.0	19:22:49.4	1.1	B	Harris	1 x 1
230775	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.060	180.0	19:24:13.4	3.8	B	Harris	1 x 1
230776	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.059	180.0	19:25:37.6	6.1	B	Harris	1 x 1
230777	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.058	180.0	19:26:54.7	6.1	B	Harris	1 x 1
230778	Flat field	19:19:08.99	+12:22:04.9	B1950.00	1.057	180.0	19:28:16.9	6.1	B	Harris	1 x 1
230779	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.056	180.0	19:29:33.0	8.1	B	Harris	1 x 1
230780	Flat field	19:19:08.99	+12:22:04.9	B1950.00	1.055	180.0	19:31:14.4	10.1	B	Harris	1 x 1
230781	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.054	180.0	19:32:25.6	9.6	V	Harris	1 x 1
230782	Flat field	9:39:34.50	+06:11:02.4	B1950.00	1.053	180.0	19:33:50.3	25.1	V	Harris	1 x 1
230783	Flat field	19:19:09.00	+12:22:05.1	B1950.00	1.052	180.0	19:35:41.3	35.1	V	Harris	1 x 1
230784	Flat field	19:19:09.00	+12:22:04.9	B1950.00	1.051	180.0	19:37:26.9	60.1	V	Harris	1 x 1
230785	Flat field	19:19:09.00	+12:22:04.6	B1950.00	1.049	180.0	19:39:41.2	120.0	V	Harris	1 x 1
230786	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.047	180.0	19:42:58.5	219.9	V	Harris	1 x 1
230787	Focus run	19:37:43.30	+00:27:49.0	J2000.00	1.147	180.0	19:53:20.5	10.1	V	Harris	1 x 1
230788	Focus run	19:37:43.29	+00:27:48.9	J2000.00	1.143	180.0	19:59:43.6	7.1	V	Harris	1 x 1
230789	Focus run	19:37:43.30	+00:27:49.0	J2000.00	1.139	180.0	20:07:24.4	6.1	B	Harris	1 x 1
230790	m31 B	0:44:46.00	+41:38:19.9	J2000.00	2.063	180.0	20:22:57.0	899.1	B	Harris	1 x 1
230791	m31 V	0:44:45.99	+41:38:20.0	J2000.00	1.892	180.0	20:38:59.9	899.1	V	Harris	1 x 1
230793	M31 B	0:44:46.00	+41:38:20.0	J2000.00	1.694	180.0	21:02:15.6	899.1	B	Harris	1 x 1
230794	M31 V	0:44:46.00	+41:38:19.9	J2000.00	1.583	180.0	21:18:18.7	899.1	V	Harris	1 x 1
230795	M31 B	0:44:45.99	+41:38:20.2	J2000.00	1.490	180.0	21:34:24.8	899.2	B	Harris	1 x 1
230796	M31 V	0:44:46.00	+41:38:20.0	J2000.00	1.410	180.0	21:50:27.4	899.0	V	Harris	1 x 1
230797	M31 B	0:44:45.99	+41:38:20.0	J2000.00	1.342	180.0	22:06:37.3	899.0	B	Harris	1 x 1
230798	M31 V	0:44:46.00	+41:38:20.0	J2000.00	1.284	180.0	22:22:40.1	899.2	V	Harris	1 x 1
230799	M31 B	0:44:45.99	+41:38:19.8	J2000.00	1.233	180.0	22:38:45.8	899.3	B	Harris	1 x 1
230800	M31 V	0:44:46.00	+41:38:20.0	J2000.00	1.191	180.0	22:54:49.1	899.1	V	Harris	1 x 1
230801	M31 B	0:44:46.00	+41:38:20.0	J2000.00	1.150	180.0	23:12:48.5	899.1	B	Harris	1 x 1
230802	M31 V	0:44:45.99	+41:38:19.9	J2000.00	1.120	180.0	23:28:52.5	899.1	V	Harris	1 x 1
230803	M31 B	0:44:45.99	+41:38:19.9	J2000.00	1.094	180.0	23:44:58.7	899.1	B	Harris	1 x 1
230804	M31 V	0:44:45.99	+41:38:20.0	J2000.00	1.073	180.0	00:01:01.8	899.0	V	Harris	1 x 1
230805	M31 B	0:44:46.00	+41:38:19.9	J2000.00	1.056	180.0	00:17:11.9	899.1	B	Harris	1 x 1
230806	M31 V	0:44:46.00	+41:38:19.9	J2000.00	1.043	180.0	00:33:15.8	899.1	V	Harris	1 x 1
230807	M31 B	0:44:46.00	+41:38:19.9	J2000.00	1.034	180.0	00:49:20.0	899.0	B	Harris	1 x 1
230808	M31 V	0:44:46.00	+41:38:20.0	J2000.00	1.028	180.0	01:05:23.1	899.2	V	Harris	1 x 1
230809	M31 B	0:44:46.00	+41:38:20.0	J2000.00	1.026	180.0	01:22:19.1	899.0	B	Harris	1 x 1
230810	M31 V	0:44:45.99	+41:38:20.0	J2000.00	1.027	180.0	01:38:21.6	898.6	V	Harris	1 x 1
230811	M31 B	0:44:46.00	+41:38:20.2	J2000.00	1.032	180.0	01:54:27.3	899.1	B	Harris	1 x 1
230812	M31 V	0:44:45.99	+41:38:20.0	J2000.00	1.040	180.0	02:10:30.3	899.1	V	Harris	1 x 1
230813	M31 B	0:44:45.97	+41:38:19.9	J2000.00	1.052	180.0	02:26:37.5	899.1	B	Harris	1 x 1
230814	M31 V	0:44:46.00	+41:38:20.0	J2000.00	1.068	180.0	02:42:39.8	899.1	V	Harris	1 x 1
230815	M31 B	0:44:46.00	+41:38:19.9	J2000.00	1.087	180.0	02:58:44.1	899.2	B	Harris	1 x 1
230816	M31 V	0:44:46.00	+41:38:20.0	J2000.00	1.111	180.0	03:14:47.1	899.3	V	Harris	1 x 1
230818	m31 B	0:44:46.00	+41:38:20.0	J2000.00	1.201	180.0	03:57:50.4	899.1	B	Harris	1 x 1
230819	m31 V	0:44:45.99	+41:38:19.9	J2000.00	1.246	180.0	04:13:54.3	899.1	V	Harris	1 x 1
230820	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.290	180.0	04:31:52.5	319.7	r	Sloan	1 x 1
230821	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.314	180.0	04:38:33.3	319.8	r	Sloan	1 x 1
230822	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.339	180.0	04:45:14.0	319.8	i	Sloan	1 x 1
230823	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.366	180.0	04:51:54.4	319.7	i	Sloan	1 x 1
230824	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.403	180.0	04:59:39.8	319.8	r	Sloan	1 x 1
230825	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.435	180.0	05:06:20.3	319.8	r	Sloan	1 x 1
230826	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.468	180.0	05:13:01.2	319.8	i	Sloan	1 x 1
230827	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.504	180.0	05:19:41.5	319.8	i	Sloan	1 x 1
230828	m31 B	0:44:45.99	+41:38:19.7	J2000.00	1.578	180.0	05:29:15.5	899.1	B	Harris	1 x 1
230829	m31 V	0:44:46.00	+41:38:20.0	J2000.00	1.687	180.0	05:45:21.5	899.1	V	Harris	1 x 1
230830	m31	0:44:46.00	+41:38:19.9	J2000.00	1.850	180.0	06:05:01.6	899.2	B	Harris	1 x 1
230831	Flat field	4:25:46.00	+54:09:03.1	B1950.00	1.138	180.0	06:25:48.9	120.0	V	Harris	1 x 1
230832	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.141	180.0	06:29:13.8	80.0	V	Harris	1 x 1
230833	Flat field	4:25:46.00	+54:09:03.1	B1950.00	1.143	180.0	06:31:54.8	40.1	V	Harris	1 x 1
230834	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.145	180.0	06:33:50.4	15.1	V	Harris	1 x 1

230835	Flat field	4:25:45.99	+54:09:03.0	B1950.00	1.147	180.0	06:35:30.6	20.1	B	Harris	1 x 1
230837	Flat field	4:25:45.99	+54:09:02.9	B1950.00	1.148	180.0	06:37:25.5	5.1	B	Harris	1 x 1
230838	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.150	180.0	06:38:47.5	1.1	B	Harris	1 x 1
230839	Flat field	4:25:46.00	+54:09:03.0	B1950.00	1.151	180.0	06:39:57.2	2.1	B	Harris	1 x 1
230840	Dark frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:45:50.4	900.0	B	Harris	1 x 1
230841	Bias	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	07:01:49.8	0.0	B	Harris	1 x 1
230842	Bias	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	07:02:58.8	0.0	B	Harris	1 x 1
230843	Bias	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	07:03:57.4	0.0	B	Harris	1 x 1
230844	Bias	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	07:04:55.2	0.0	B	Harris	1 x 1