INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20000921
TAPE NR: INTD4509
OBSERVER: Marín & Hidalgo
PROGRAMME: Halos viejos en galaxias enanas.
PATT/CAT REF.: C15
TELESCOPE OPERATOR: J. Rey
SUPPORT ASTRONOMER: J. C. Vega

TELESCOPE FOCUS: 46.15 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: r, R, KP(B), V, i, Z

WEATHER: (1st half) BAD
(2nd half) POOR
CLOUD COVER (%): (1st half) 0
(2nd half) 0
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) --
(2nd half) 2

DOME OPENED (UT): 03:00

METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	5.8	100	29.1	31.9	344	770.4	6.2	14.8	14.7	100	59
21:00	5.3	100	28.0	32.6	339	770.8	5.3	14.9	14.7	100	58
22:00	5.9	98	23.5	26.3	354	771.3	6.4	14.4	14.7	96	59
23:00	6.2	100	33.9	37.3	327	771.5	6.4	13.8	14.8	100	65
00:00	5.9	100	28.2	30.6	331	771.3	6.3	13.5	14.7	100	68
01:00	6.2	100	25.3	27.3	347	771.4	6.6	13.8	14.8	100	66
02:00	6.2	100	17.4	18.8	5	771.3	6.6	14.1	14.8	100	64
03:00	5.9	100	21.8	22.2	340	770.9	6.2	13.5	14.9	100	66
04:00	6.3	86	26.7	27.6	326	770.7	6.8	12.7	15.0	86	62
05:00	7.0	70	20.4	21.8	325	770.7	7.5	9.5	14.1	68	63
06:00	7.4	65	17.0	17.6	349	770.8	7.9	8.6	13.5	64	63

SUNSET(UT) 19:17
EVENING TWILIGHT(UT) 20:29
MORNING TWILIGHT(UT) 05:41
SUNRISE(UT) 06:53
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 38
DARK TIME 09:12
TWILIGHT TIME 02:24
MOONRISE(UT) 01:01
MOONSET(UT) No moonset within sunset-sunrise

TIME LOST(WEATHER): 06:32
TIME LOST(TECHNICAL): 00:10
TIME LOST(OTHER): 00:00

COMMENTS:
The filter wheel was locked when trying to change filter,
it was twice, first at the beginning of the night, and the other
at 4:22 UT.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
230437	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.428	180.0	14:06:15.6	0.0	V	Harris	1 x 1	
230438	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.428	180.0	14:13:55.3	0.0	V	Harris	1 x 1	
230439	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.428	180.0	14:18:59.3	0.0	V	Harris	1 x 1	
230440	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.428	180.0	14:47:29.2	0.0	V	Harris	1 x 1	
230443	Focus run	2:33:41.30	+05:21:15.1	J2000.00	1.090	180.0	03:33:16.2	30.1	V	Harris	1 x 1	
230444	Focus run	2:33:41.30	+05:21:15.2	J2000.00	1.090	180.0	03:48:10.3	20.1	V	Harris	1 x 1	
230445	PG0231+051	2:33:41.00	+05:18:39.9	J2000.00	1.094	180.0	03:59:16.8	30.1	V	Harris	1 x 1	
230446	PG0231+051 chip1	2:33:40.99	+05:18:39.8	J2000.00	1.096	180.0	04:04:35.9	30.1	V	Harris	1 x 1	
230447	PG0231+051 chip2	2:33:41.00	+05:18:40.0	J2000.00	1.097	180.0	04:07:10.4	30.1	V	Harris	1 x 1	
230449	PG0231+051 chip3	2:33:41.00	+05:18:39.9	J2000.00	1.099	180.0	04:09:43.9	30.1	V	Harris	1 x 1	
230450	PG0231+051 chip4	2:33:40.99	+05:18:39.9	J2000.00	1.108	180.0	04:22:08.2	10.1	R	Harris	1 x 1	
230451	PG0231+051 chip4	2:33:41.00	+05:18:40.0	J2000.00	1.110	180.0	04:25:02.8	15.1	R	Harris	1 x 1	
230452	PG0231+051 chip1	2:33:41.00	+05:18:40.0	J2000.00	1.112	180.0	04:27:04.1	15.1	R	Harris	1 x 1	
230453	PG0231+051 chip2	2:33:41.00	+05:18:39.9	J2000.00	1.114	180.0	04:28:43.8	15.1	R	Harris	1 x 1	
230454	PG0231+051 chip3	2:33:41.00	+05:18:39.9	J2000.00	1.116	180.0	04:30:23.1	15.1	R	Harris	1 x 1	
230455	PG0231+051 chip4	2:33:41.00	+05:18:39.9	J2000.00	1.118	180.0	04:32:41.0	15.1	r	Sloan	1 x 1	
230456	PG0231+051 chip1	2:33:41.00	+05:18:39.9	J2000.00	1.123	180.0	04:37:07.5	18.1	r	Sloan	1 x 1	
230457	PG0231+051 chip2	2:33:41.00	+05:18:39.9	J2000.00	1.126	180.0	04:39:23.7	18.1	r	Sloan	1 x 1	
230458	PG0231+051 chip3	2:33:40.99	+05:18:39.9	J2000.00	1.128	180.0	04:41:05.9	18.1	r	Sloan	1 x 1	
230459	PG0231+051 chip4	2:33:40.99	+05:18:39.9	J2000.00	1.132	180.0	04:43:57.2	35.1	B	Kitt Peak	1 x 1	
230460	PG0231+051 chip4	2:33:40.99	+05:18:39.9	J2000.00	1.136	180.0	04:46:22.4	50.1	B	Kitt Peak	1 x 1	
230461	PG0231+051 chip1	2:33:41.00	+05:18:40.0	J2000.00	1.139	180.0	04:48:48.9	50.1	B	Kitt Peak	1 x 1	
230462	PG0231+051 chip2	2:33:41.00	+05:18:40.0	J2000.00	1.143	180.0	04:51:34.8	50.1	B	Kitt Peak	1 x 1	
230463	PG0231+051 chip3	2:33:41.00	+05:18:40.1	J2000.00	1.147	180.0	04:53:43.6	50.1	B	Kitt Peak	1 x 1	
230464	PG0231+051 chip4	2:33:41.00	+05:18:40.0	J2000.00	1.151	180.0	04:56:32.4	20.1	i	Sloan	1 x 1	
230465	PG0231+051 chip1	2:33:41.00	+05:18:40.0	J2000.00	1.154	180.0	04:58:18.0	20.1	i	Sloan	1 x 1	
230466	PG0231+051 chip2	2:33:41.00	+05:18:39.9	J2000.00	1.157	180.0	04:59:57.7	20.1	i	Sloan	1 x 1	
230467	PG0231+051 chip3	2:33:41.00	+05:18:39.9	J2000.00	1.160	180.0	05:01:55.3	20.1	i	Sloan	1 x 1	
230468	Franjas	4:25:45.99	+54:09:03.0	B1950.00	1.109	180.0	05:17:26.7	299.8	i	Sloan	1 x 1	
230469	Franjas	4:25:46.00	+54:09:03.0	B1950.00	1.108	180.0	05:28:42.7	299.8	i	Sloan	1 x 1	
230470	Franjas	4:25:46.00	+54:09:03.0	B1950.00	1.108	180.0	05:35:26.1	479.6	i	Sloan	1 x 1	
230471	Franjas	4:25:46.00	+54:09:02.9	B1950.00	1.109	180.0	05:45:33.3	479.6	i	Sloan	1 x 1	
230472	Franjas	4:25:46.00	+54:09:02.8	B1950.00	1.111	180.0	05:55:02.3	479.6	i	Sloan	1 x 1	
230473	Franjas	4:25:45.99	+54:09:02.9	B1950.00	1.114	180.0	06:04:41.2	479.5	i	Sloan	1 x 1	
230475	Flat i	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:27:02.1	65.0	i	Sloan	1 x 1	
230476	Flat i	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:29:29.2	30.1	i	Sloan	1 x 1	
230477	Flat i	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:31:04.0	20.1	i	Sloan	1 x 1	
230478	Flat i	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:32:32.4	15.1	i	Sloan	1 x 1	
230479	Flat R	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:34:15.6	29.6	R	Harris	1 x 1	
230480	Flat R	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:36:09.7	5.1	R	Harris	1 x 1	
230481	Flat R	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:37:23.3	5.1	R	Harris	1 x 1	
230482	Flat R	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:38:33.2	3.1	R	Harris	1 x 1	
230483	Flat r	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:40:27.8	3.1	r	Sloan	1 x 1	
230484	Flat r	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:41:40.5	1.1	r	Sloan	1 x 1	
230485	Flat r	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:42:43.6	1.3	r	Sloan	1 x 1	
230486	Flat r	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:43:47.1	1.1	r	Sloan	1 x 1	
230487	Flat V	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:45:31.7	3.1	V	Harris	1 x 1	
230488	Flat B	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:46:57.6	1.1	V	Harris	1 x 1	
230489	Flat B	0:00:00.00	+00:00:00.0	B1950.00	1.000	180.0	06:48:17.2	1.1	B	Kitt Peak	1 x 1	