INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20000922
TAPE NR: INTD4510
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) FAIR
(2nd half) FAIR
CLOUD COVER (%): (1st half) 0
(2nd half) 0
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 1.7
(2nd half) 1.2

DOME OPENED (UT): 19:30

METEOROLOGICAL PARAMETERS

UT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	10.0	54	2.9	3.4	326	771.3	9.4	13.5	14.5	58	46
21:00	8.8	54	2.2	3.5	3	771.6	9.3	11.7	14.2	51	45
22:00	8.0	59	10.8	11.3	324	771.8	8.7	10.7	14.0	56	50
23:00	7.4	64	11.9	12.4	330	772.0	7.9	9.8	13.7	61	55
00:00	7.6	61	11.4	12.0	338	772.0	8.1	8.9	13.3	61	59
01:00	7.1	67	6.6	7.0	351	771.7	7.6	9.3	13.1	64	59
02:00	8.4	47	5.6	5.7	296	771.5	8.4	9.6	12.9	53	49
03:00	7.9	45	9.8	10.9	306	771.1	8.3	8.8	12.5	47	48
04:00	8.0	42	7.2	8.1	279	770.8	8.6	9.2	12.3	40	40
05:00	7.6	49	13.1	13.9	311	770.5	8.1	8.5	12.2	48	47
06:00	8.1	41	8.3	8.7	282	770.5	8.5	8.7	12.0	37	39

SUNSET(UT) 19:16
EVENING TWILIGHT(UT) 20:28
MORNING TWILIGHT(UT) 05:42
SUNRISE(UT) 06:53
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 28
DARK TIME 09:14
TWILIGHT TIME 02:23
MOONRISE(UT) 02:03
MOONSET(UT) No moonset within sunset-sunrise

TIME LOST(WEATHER): 00:00
TIME LOST(TECHNICAL): 02:30
TIME LOST(OTHER): 00:00

COMMENTS:
The filter wheel was locked when trying to change filter
at the beginning of night 20:40, and locked
almost every time we tryed to change the filter.

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
230490	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	4.305	180.0	13:19:21.1	0.0	V	Harris	1 x 1	
230491	flat B	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:17:10.6	2.0	B	Kitt Peak	1 x 1	
230492	TEST	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:30:22.2	1.0	B	Kitt Peak	1 x 1	
230493	skyflat 40 KPB	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	19:38:49.3	40.1	B	Kitt Peak	1 x 1	
230494	Focus run	20:43:53.99	-10:43:12.1	J2000.00	1.467	180.0	20:03:39.9	30.1	V	Harris	1 x 1	
230495	Draco_campo R 120	17:16:29.99	+57:54:47.9	J2000.00	1.241	180.0	20:24:05.3	120.0	R	Harris	1 x 1	
230496	Draco_campo R 900	17:16:30.00	+57:54:48.0	J2000.00	1.260	180.0	20:28:39.2	899.1	R	Harris	1 x 1	
230497	Draco_campo R 900	17:16:29.99	+57:54:48.0	J2000.00	1.290	180.0	20:44:20.6	899.1	R	Harris	1 x 1	
230498	Draco_campo R 900	17:16:29.99	+57:54:47.9	J2000.00	1.325	180.0	21:00:01.9	899.0	R	Harris	1 x 1	
230499	Draco_campo B 120	17:16:30.00	+57:54:47.9	J2000.00	1.351	180.0	21:16:59.8	120.0	B	Kitt Peak	1 x 1	
230500	Draco_campo B 900	17:16:29.99	+57:54:48.0	J2000.00	1.379	180.0	21:20:48.5	899.0	B	Kitt Peak	1 x 1	
230501	Draco_campo B 900	17:16:30.00	+57:54:47.9	J2000.00	1.427	180.0	21:36:30.5	899.0	B	Kitt Peak	1 x 1	
230502	Draco_campo B 900	17:16:30.00	+57:54:48.0	J2000.00	1.480	180.0	21:52:12.5	899.0	B	Kitt Peak	1 x 1	
230503	Mark A B 30s	20:43:53.99	-10:45:42.0	J2000.00	1.305	180.0	22:13:25.8	30.1	B	Kitt Peak	1 x 1	
230504	Mark A B 45s	20:43:54.00	-10:45:41.9	J2000.00	1.310	180.0	22:19:41.8	45.1	B	Kitt Peak	1 x 1	
230505	Mark A i 20s	20:43:54.00	-10:45:41.9	J2000.00	1.314	180.0	22:23:19.5	19.6	i	Sloan	1 x 1	
230506	Mark A V 35s	20:43:53.99	-10:45:42.0	J2000.00	1.354	180.0	22:50:37.5	35.1	V	Harris	1 x 1	
230507	Mark A V 90s	20:43:54.00	-10:45:42.0	J2000.00	1.359	180.0	22:53:07.4	90.0	V	Harris	1 x 1	
230508	Mark A r 60s	20:43:54.00	-10:45:41.9	J2000.00	1.369	180.0	22:57:52.8	60.0	r	Sloan	1 x 1	
230509	Mark A i 80s	20:43:54.00	-10:45:41.9	J2000.00	1.376	180.0	23:00:49.6	79.5	i	Sloan	1 x 1	
230510	Mark A R 60s	20:43:54.00	-10:45:41.9	J2000.00	1.383	180.0	23:04:14.9	60.0	R	Harris	1 x 1	
230511	Mark A R 40s	20:43:54.00	-10:45:42.0	J2000.00	1.392	180.0	23:08:05.5	40.1	R	Harris	1 x 1	
230512	PG2336+004 R 15s	23:38:44.00	+00:42:55.0	J2000.00	1.224	180.0	23:12:10.9	15.1	R	Harris	1 x 1	
230513	PG2336+004 R 5s	23:38:44.00	+00:42:55.0	J2000.00	1.218	180.0	23:14:59.6	5.1	R	Harris	1 x 1	
230514	PG2336+004 V 3s	23:38:43.99	+00:42:54.9	J2000.00	1.214	180.0	23:17:03.7	3.1	V	Harris	1 x 1	
230515	PG2336+004 r 5s	23:38:44.00	+00:42:54.9	J2000.00	1.210	180.0	23:19:06.9	5.1	r	Sloan	1 x 1	
230516	PG2336+004 B 5s	23:38:43.99	+00:42:55.0	J2000.00	1.206	180.0	23:20:53.5	5.1	B	Kitt Peak	1 x 1	
230517	PG2336+004 B 10s	23:38:44.00	+00:42:55.0	J2000.00	1.203	180.0	23:22:26.5	10.1	B	Kitt Peak	1 x 1	
230518	PG2336+004 B 10s	23:38:44.00	+00:42:55.0	J2000.00	1.199	180.0	23:24:33.7	10.1	B	Kitt Peak	1 x 1	
230519	PG2336+004 i 7s	23:38:44.00	+00:42:55.0	J2000.00	1.196	180.0	23:26:38.3	7.1	i	Sloan	1 x 1	
230520	PG2336+004 i 5s	23:38:43.99	+00:42:54.9	J2000.00	1.193	180.0	23:28:28.0	5.1	i	Sloan	1 x 1	
230521	PG2213-006 i 5s	22:16:28.00	-00:21:15.0	J2000.00	1.146	180.0	23:30:56.9	5.1	i	Sloan	1 x 1	
230522	PG2213-006 i 12s	22:16:27.99	-00:21:15.0	J2000.00	1.146	180.0	23:33:35.4	12.1	i	Sloan	1 x 1	
230523	PG2213-006 R 12s	22:16:28.00	-00:21:15.0	J2000.00	1.147	180.0	23:35:43.7	12.1	R	Harris	1 x 1	
230524	PG2213-006 V 7s	22:16:28.00	-00:21:15.0	J2000.00	1.148	180.0	23:37:32.7	7.1	V	Harris	1 x 1	
230525	PG2213-006 V 18s	22:16:28.00	-00:21:14.9	J2000.00	1.149	180.0	23:39:10.7	18.1	V	Harris	1 x 1	
230526	PG2213-006 r 12s	22:16:28.00	-00:21:15.0	J2000.00	1.149	180.0	23:40:59.8	12.1	r	Sloan	1 x 1	
230527	PG2213-006 B 22s	22:16:28.00	-00:21:14.9	J2000.00	1.150	180.0	23:42:54.0	22.1	B	Kitt Peak	1 x 1	
230528	Pegaso B 120s	23:28:33.99	+14:44:48.0	J2000.00	1.037	180.0	00:03:04.6	120.0	B	Kitt Peak	1 x 1	
230529	Pegaso i 120s	23:28:33.99	+14:44:47.9	J2000.00	1.036	180.0	00:06:37.7	120.0	i	Sloan	1 x 1	
230530	IC 1613 B 120s	1:04:54.00	+02:07:59.9	J2000.00	1.148	180.0	01:14:12.7	120.0	B	Kitt Peak	1 x 1	
230531	IC 1613 i 120s	1:04:53.99	+02:08:00.0	J2000.00	1.143	180.0	01:18:42.0	119.9	i	Sloan	1 x 1	
230532	PG2213-006 i 12s	22:16:27.99	-00:21:15.0	J2000.00	1.340	180.0	01:24:28.5	12.1	i	Sloan	1 x 1	
230533	PG2213-006 R 12s	22:16:27.99	-00:21:14.9	J2000.00	1.348	180.0	01:26:45.1	12.1	R	Harris	1 x 1	
230534	PG2213-006 V 15s	22:16:27.99	-00:21:15.0	J2000.00	1.357	180.0	01:29:10.5	14.6	V	Harris	1 x 1	
230535	PG2213-006 r 10s	22:16:27.99	-00:21:15.0	J2000.00	1.365	180.0	01:31:07.3	10.1	r	Sloan	1 x 1	
230536	PG2213-006 B 18s	22:16:27.99	-00:21:14.9	J2000.00	1.373	180.0	01:33:12.0	18.1	B	Kitt Peak	1 x 1	
230537	PG2336-004 B 8s	23:38:44.00	+00:42:55.0	J2000.00	1.166	180.0	01:36:36.3	8.1	B	Kitt Peak	1 x 1	
230538	PG2336-004 B 5s	23:38:44.00	+00:42:54.9	J2000.00	1.168	180.0	01:38:14.9	5.1	B	Kitt Peak	1 x 1	
230539	PG2336-004 V 2s	23:38:44.00	+00:42:54.9	J2000.00	1.184	180.0	01:49:29.8	2.0	V	Harris	1 x 1	
230540	PG2336-004 V 20s	23:38:44.00	+00:42:54.9	J2000.00	1.188	180.0	01:51:58.6	20.1	V	Harris	1 x 1	
230541	SLOAN_1 B* 180s	1:20:00.00	-00:00:00.0	J2000.00	1.142	180.0	02:08:10.1	180.0	R	Harris	1 x 1	
230542	SLOAN_1 B* 180s	1:20:00.00	+00:00:00.1	J2000.00	1.141	180.0	02:13:25.1	179.9	R	Harris	1 x 1	
230543	SLOAN_1 B* 180s	1:20:00.00	+00:00:00.0	J2000.00	1.140	180.0	02:18:25.7	179.9	R	Harris	1 x 1	
230544	SLOAN_1 B* 120s	1:20:00.00	+00:00:00.0	J2000.00	1.140	180.0	02:24:45.3	120.0	R	Harris	1 x 1	
230546	Focus run	1:19:59.99	+00:02:30.1	J2000.00	1.141	180.0	02:34:28.8	10.1	R	Harris	1 x 1	
230547	Focus run	1:19:59.99	+00:02:30.0	J2000.00	1.144	180.0	02:42:05.7	10.1	R	Harris	1 x 1	
230548	SLOAN_1 B* 120s	1:19:59.99	-00:00:00.0	J2000.00	1.148	180.0	02:48:19.6	119.5	R	Harris	1 x 1	
230549	SLOAN_1 B* 900s	1:19:59.99	+00:00:00.0	J2000.00	1.156	180.0	02:52:28.6	899.1	R	Harris	1 x 1	

230550	SLOAN_1 B* 900s	1:20:00.00	-00:00:00.0	J2000.00	1.172	180.0	03:08:10.6	899.1	R	Harris	1 x 1
230551	SLOAN_1 B* 900s	1:20:00.00	+00:00:00.0	J2000.00	1.194	180.0	03:23:52.3	899.1	R	Harris	1 x 1
230552	SLOAN_1 r 120s	1:20:00.00	-00:00:00.0	J2000.00	1.283	180.0	04:10:41.1	120.1	r	Sloan	1 x 1
230553	SLOAN_1 r 900s	1:19:59.99	+00:00:00.0	J2000.00	1.317	180.0	04:14:44.6	898.6	r	Sloan	1 x 1
230554	SLOAN_1 r 900s	1:20:00.00	+00:00:00.0	J2000.00	1.374	180.0	04:30:26.5	899.2	r	Sloan	1 x 1
230555	SLOAN_1 r 900s	1:20:00.00	+00:00:00.0	J2000.00	1.444	180.0	04:46:08.4	899.1	r	Sloan	1 x 1
230556	SLOAN_1 B 180s	1:20:00.00	-00:00:00.0	J2000.00	1.505	180.0	05:03:52.0	180.0	B	Kitt Peak	1 x 1
230557	PG2336+004 B 5s	23:38:44.00	+00:42:55.0	J2000.00	2.888	180.0	05:10:12.0	5.1	B	Kitt Peak	1 x 1
230558	PG0231+051 B 5s	2:33:41.00	+05:18:40.0	J2000.00	1.195	180.0	05:15:10.8	5.1	B	Kitt Peak	1 x 1
230559	PG0231+051 B 20s	2:33:41.00	+05:18:40.0	J2000.00	1.202	180.0	05:18:08.5	20.1	B	Kitt Peak	1 x 1
230560	PG0231+051 i 14s	2:33:41.00	+05:18:39.9	J2000.00	1.208	180.0	05:20:39.6	13.6	i	Sloan	1 x 1
230561	PG0231+051 i 10s	2:33:41.00	+05:18:39.9	J2000.00	1.212	180.0	05:22:13.0	10.1	i	Sloan	1 x 1
230562	PG0231+051 R 10s	2:33:40.99	+05:18:40.0	J2000.00	1.216	180.0	05:24:02.5	10.1	R	Harris	1 x 1
230563	PG0231+051 V 13s	2:33:41.00	+05:18:40.0	J2000.00	1.222	180.0	05:26:10.7	13.1	V	Harris	1 x 1
230564	PG0231+051 r 8s	2:33:41.00	+05:18:39.9	J2000.00	1.228	180.0	05:28:27.2	8.1	r	Sloan	1 x 1
230565	PG0231+051 r 8s	2:33:41.00	+05:18:40.0	J2000.00	1.232	180.0	05:29:55.4	8.1	r	Sloan	1 x 1
230566	PG0231+051 B 20s	2:33:41.00	+05:18:40.0	J2000.00	1.237	180.0	05:31:44.3	20.1	B	Kitt Peak	1 x 1
230567	PG0231+051 i 10s	2:33:41.00	+05:18:40.0	J2000.00	1.242	180.0	05:33:26.0	10.1	i	Sloan	1 x 1
230568	PG0231+051 R 10s	2:33:41.00	+05:18:39.9	J2000.00	1.247	180.0	05:35:09.6	9.6	R	Harris	1 x 1
230569	PG0231+051 V 13s	2:33:41.00	+05:18:40.0	J2000.00	1.253	180.0	05:37:07.6	13.1	V	Harris	1 x 1
230570	File not available										
230574	Flat i 30s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:33:50.3	30.1	i	Sloan	1 x 1
230575	Flat i 10s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:35:27.2	10.7	i	Sloan	1 x 1
230576	Flat i 5s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:36:47.4	5.1	i	Sloan	1 x 1
230577	Flat i 2s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:38:01.0	2.1	i	Sloan	1 x 1
230578	Flat i 2s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:39:03.1	2.1	i	Sloan	1 x 1
230579	Flat i 2s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:40:10.1	2.1	i	Sloan	1 x 1
230580	Flat R 3s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:41:21.9	3.1	R	Harris	1 x 1
230581	Flat R 1s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:42:29.6	1.0	R	Harris	1 x 1
230582	Flat R 2s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:43:56.7	2.1	B	Kitt Peak	1 x 1
230583	Flat R 1s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:45:10.0	1.0	B	Kitt Peak	1 x 1
230584	Flat B 0.5s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:46:22.9	1.0	B	Kitt Peak	1 x 1
230585	Flat B 0.5s	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	06:47:23.7	0.9	B	Kitt Peak	1 x 1