INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20010824
TAPE NR:
OBSERVER:             P. Groot
PROGRAMME:            The faint sky variability survey
PATT/CAT REF.:        WFS01
TELESCOPE OPERATOR:   none
SUPPORT ASTRONOMER:   C. Benn

TELESCOPE FOCUS:      43.90 mm
CALIBRATE RESULTS:    not specified

INSTRUMENT:           WFC

WFC FILTER WHEEL:     B,V,r,I,i,Z

WEATHER:              (1st half) good
                      (2nd half) good
CLOUD COVER (%):      (1st half) 0
                      (2nd half) 0
DUST (0-2):           (1st half) 1
                      (2nd half) 1
SEEING (arcsec):      (1st half) 1.1
                      (2nd half) 1.1

DOME OPENED (UT):     19:30
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METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
20:00	11.9	70	23.0	27.5	250	771.9	12.0	15.4	16.0	69	57
21:00	10.7	78	28.5	30.6	285	772.1	11.3	14.4	15.4	70	61
22:00	11.7	41	20.3	20.7	264	772.7	11.9	13.6	15.8	48	47
23:00	13.7	16	19.7	21.3	245	773.2	14.2	14.7	15.9	15	16
00:00	13.9	14	16.2	17.3	257	773.2	13.8	15.1	15.9	14	13
01:00	12.9	20	18.4	19.4	248	772.9	12.8	14.6	15.9	20	18
02:00	13.5	11	18.3	18.9	244	772.7	13.3	14.4	16.1	12	13
03:00	13.4	15	19.2	20.6	246	772.2	13.6	14.5	16.0	12	14
04:00	12.1	19	28.5	29.5	268	771.7	12.8	13.9	15.7	16	15

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SUNSET(UT)              19:50
EVENING TWILIGHT(UT)    21:05
MORNING TWILIGHT(UT)    05:23
SUNRISE(UT)             06:38
MOON'S QUARTER (1-4)    1
DISK % OF ILLUM.        41
DARK TIME               08:18
TWILIGHT TIME           02:30
MOONRISE(UT)            No moonrise within sunset-sunrise
MOONSET(UT)             23:53

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
277303	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:36:43.7	0.0	B	Harris	1 x 1	
277304	Dark frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:37:50.0	15.0	B	Harris	1 x 1	
277305	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	13:42:49.6	0.0	i	Sloan	1 x 1	

277306	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:37:26.9	0.0	i	Sloan		1 x 1
277307	Preflash only	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:38:39.4	0.0	i	Sloan		1 x 1
277308	Preflash only	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:39:52.5	0.0	i	Sloan		1 x 1
277309	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:41:04.0	0.0	i	Sloan		1 x 1
277310	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:42:25.5	0.0	i	Sloan		1 x 1
277311	Preflash only	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:43:18.9	0.0	i	Sloan		1 x 1
277312	Preflash only	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:44:12.4	0.0	i	Sloan		1 x 1
277313	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:45:05.2	0.0	i	Sloan		1 x 1
277314	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:50:29.6	0.0	i	Sloan		1 x 1
277315	Preflash only	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:51:33.0	0.0	i	Sloan		1 x 1
277316	Preflash only	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:52:31.2	0.0	i	Sloan		1 x 1
277317	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.551	180.0	15:53:27.3	0.0	i	Sloan		1 x 1
277318	Skyflat 1s B	16:59:59.99	+41:00:00.0	J2000.00	1.023	180.0	19:57:23.9	2.4	B	Harris		1 x 1
277319	Skyflat 1s B	17:00:00.00	+40:59:59.9	J2000.00	1.023	180.0	19:59:24.3	1.1	B	Harris		1 x 1
277320	Skyflat 1s B	17:00:00.00	+41:00:00.0	J2000.00	1.023	180.0	20:00:32.1	1.1	B	Harris		1 x 1
277321	Skyflat 1.5s B	17:00:00.00	+40:59:59.9	J2000.00	1.023	180.0	20:01:43.4	1.6	B	Harris		1 x 1
277322	Skyflat 2s B	17:00:00.00	+41:00:00.0	J2000.00	1.023	180.0	20:03:00.8	2.1	B	Harris		1 x 1
277323	Skyflat 3.5s B	17:00:00.00	+40:59:59.9	J2000.00	1.024	180.0	20:05:48.0	3.6	B	Harris		1 x 1
277324	Skyflat 3.5s V	17:00:00.00	+41:00:00.0	J2000.00	1.024	180.0	20:07:02.5	3.6	V	Harris		1 x 1
277325	Skyflat 5s V	17:00:01.76	+41:00:19.9	J2000.00	1.024	180.0	20:08:35.5	4.6	V	Harris		1 x 1
277326	Skyflat 10s V	17:00:03.53	+41:00:40.0	J2000.00	1.024	180.0	20:09:45.8	10.1	V	Harris	1	1 x 1
277327	Skyflat 17s V	17:00:05.30	+41:00:59.9	J2000.00	1.024	180.0	20:11:00.6	17.1	V	Harris	1	1 x 1
277328	Skyflat 25s V	17:00:07.06	+41:01:20.0	J2000.00	1.024	180.0	20:12:16.2	25.1	V	Harris	1	1 x 1
277329	Skyflat 20s I	17:00:07.07	+41:01:19.9	J2000.00	1.025	180.0	20:14:30.2	20.1	I	INT-WFC	1	1 x 1
277330	Skyflat 35s I	17:00:05.30	+41:00:59.9	J2000.00	1.025	180.0	20:15:44.7	35.1	I	INT-WFC	1	1 x 1
277331	Skyflat 50s I	17:00:03.53	+41:00:39.9	J2000.00	1.026	180.0	20:17:16.8	50.1	I	INT-WFC	1	1 x 1
277332	Skyflat 80s I	17:00:01.76	+41:00:19.9	J2000.00	1.026	180.0	20:19:07.3	80.0	I	INT-WFC	1	1 x 1
277333	Focus run	18:43:09.00	-00:08:49.9	J2000.00	1.206	180.0	20:28:12.7	10.1	V	Harris	1	1 x 1
277334	m27 V	19:59:36.20	+22:43:15.8	J2000.00	1.183	180.0	20:34:16.0	299.9	V	Harris	1	1 x 1
277335	m27 B	19:59:36.20	+22:43:16.0	J2000.00	1.166	180.0	20:40:36.3	299.5	B	Harris	1	1 x 1
277336	m27 I	19:59:36.19	+22:43:16.0	J2000.00	1.149	180.0	20:47:03.6	299.8	I	INT-WFC	1	1 x 1
277337	ngc6946 V	20:34:52.81	+60:09:13.8	J2000.00	1.321	180.0	20:55:18.6	299.9	V	Harris	1	1 x 1
277338	ngc6946 B	20:34:52.82	+60:09:13.6	J2000.00	1.308	180.0	21:01:38.0	299.9	B	Harris	1	1 x 1
277339	ngc6946 I	20:34:52.82	+60:09:13.6	J2000.00	1.296	180.0	21:07:57.4	299.7	I	INT-WFC	1	1 x 1
277340	f_75 V	18:32:40.00	+35:25:00.0	J2000.00	1.007	180.0	21:16:41.9	599.3	V	Harris	1	1 x 1
277341	f_74 V	18:33:29.99	+36:35:00.1	J2000.00	1.009	180.0	21:28:46.5	599.4	V	Harris	1	1 x 1
277342	f_75 V	18:32:40.00	+35:24:59.9	J2000.00	1.008	180.0	21:40:48.1	599.4	V	Harris	1	1 x 1
277343	f_72 V	18:30:00.00	+36:00:00.0	J2000.00	1.014	180.0	21:52:48.0	599.5	V	Harris	1	1 x 1
277344	f_73 V	18:33:00.00	+35:59:59.9	J2000.00	1.018	180.0	22:04:54.8	599.6	V	Harris	1	1 x 1
277345	f_73 V	18:33:00.00	+36:00:00.0	J2000.00	1.025	180.0	22:16:22.0	599.5	V	Harris	1	1 x 1
277346	f_74 V	18:33:29.99	+36:34:59.9	J2000.00	1.036	180.0	22:28:22.6	599.8	V	Harris	1	1 x 1
277347	f_72 V	18:30:00.00	+35:59:59.9	J2000.00	1.050	180.0	22:40:25.5	599.6	V	Harris	1	1 x 1
277348	f_75 V	18:32:40.00	+35:24:59.9	J2000.00	1.061	180.0	22:52:59.9	599.5	V	Harris	1	1 x 1
277349	f_74 V	18:33:29.99	+36:34:59.9	J2000.00	1.078	180.0	23:05:00.7	599.2	V	Harris	1	1 x 1
277350	f_74 V	18:33:30.00	+36:34:59.9	J2000.00	1.097	180.0	23:16:25.2	599.5	V	Harris	1	1 x 1
277351	f_74 V	18:33:29.99	+36:35:00.0	J2000.00	1.117	180.0	23:27:51.0	599.5	V	Harris	1	1 x 1
277352	f_73 V	18:33:00.00	+36:00:00.0	J2000.00	1.143	180.0	23:39:52.9	599.4	V	Harris	1	1 x 1
277353	f_72 V	18:30:00.00	+36:00:00.0	J2000.00	1.179	180.0	23:51:54.6	599.0	V	Harris	1	1 x 1
277354	f_76 V	23:42:23.50	+28:10:00.0	J2000.00	1.188	180.0	00:06:23.0	599.5	V	Harris	1	1 x 1
277355	f_79 V	23:50:20.00	+28:20:00.0	J2000.00	1.176	180.0	00:18:26.5	599.4	V	Harris	1	1 x 1
277356	f_79 V	23:50:20.00	+28:20:00.0	J2000.00	1.146	180.0	00:29:51.6	599.5	V	Harris	1	1 x 1
277357	f_78 V	23:47:40.00	+28:09:59.9	J2000.00	1.113	180.0	00:41:53.0	599.5	V	Harris	1	1 x 1
277358	f_77 V	23:44:55.00	+28:10:00.0	J2000.00	1.085	180.0	00:53:54.5	599.4	V	Harris	1	1 x 1
277359	f_79 V	23:50:19.99	+28:20:00.0	J2000.00	1.074	180.0	01:05:55.1	599.4	V	Harris	1	1 x 1
277360	f_76 V	23:42:23.49	+28:09:59.9	J2000.00	1.046	180.0	01:17:56.6	599.5	V	Harris	1	1 x 1
277361	f_78 V	23:47:40.00	+28:09:59.9	J2000.00	1.038	180.0	01:29:57.6	599.4	V	Harris	1	1 x 1
277362	f_77 V	23:44:55.00	+28:10:00.0	J2000.00	1.024	180.0	01:41:59.0	599.4	V	Harris	1	1 x 1
277363	f_76 V	23:42:23.49	+28:09:59.9	J2000.00	1.012	180.0	01:54:39.3	599.5	V	Harris	1	1 x 1
277364	f_76 V	23:42:23.50	+28:10:00.0	J2000.00	1.006	180.0	02:06:05.3	599.6	V	Harris	1	1 x 1
277365	f_79 V	23:50:19.99	+28:20:00.0	J2000.00	1.005	180.0	02:18:06.8	599.5	V	Harris	1	1 x 1
277366	f_78 V	23:47:40.00	+28:10:00.0	J2000.00	1.001	180.0	02:30:09.3	599.4	V	Harris	1	1 x 1
277367	f_77 V	23:44:55.00	+28:09:59.9	J2000.00	1.000	180.0	02:42:11.7	599.4	V	Harris	1	1 x 1

277368	f_77	V	23:44:54.99	+28:10:00.0	J2000.00	1.002	180.0	02:54:31.7	599.5	V	Harris	1	1 x 1	
277369	f_77	V	23:44:55.00	+28:09:59.9	J2000.00	1.006	180.0	03:05:58.6	598.9	V	Harris	1	1 x 1	
277370	f_78	V	23:47:40.00	+28:09:59.9	J2000.00	1.011	180.0	03:17:59.3	599.4	V	Harris	1	1 x 1	
277371	f_76	V	23:42:23.50	+28:10:00.0	J2000.00	1.023	180.0	03:29:59.5	599.5	V	Harris	1	1 x 1	
277372	f_79	V	23:47:37.50	+28:15:00.1	J2000.00	1.028	180.0	03:42:00.9	599.3	V	Harris	1	1 x 1	Tel. shift.
277373	f_79	V	23:50:19.99	+28:20:00.0	J2000.00	1.040	180.0	03:55:48.4	599.5	V	Harris	1	1 x 1	
277374	f_79	V	23:50:20.00	+28:20:00.1	J2000.00	1.054	180.0	04:07:14.7	599.5	V	Harris	1	1 x 1	
277375	M31-microfld1		0:43:59.99	+41:33:59.8	J2000.00	1.037	180.0	04:20:03.4	319.6	r	Sloan	1	1 x 1	
277376	M31-microfld1		0:44:00.00	+41:33:59.9	J2000.00	1.041	180.0	04:26:43.6	319.2	r	Sloan	1	1 x 1	
277377	M31-microfld1		0:44:00.00	+41:33:59.9	J2000.00	1.045	180.0	04:33:22.8	319.9	i	Sloan	1	1 x 1	
277378	M31-microfld1		0:43:59.99	+41:33:59.9	J2000.00	1.050	180.0	04:40:03.5	319.8	i	Sloan	1	1 x 1	
277379	M31-microfld2		0:43:09.99	+40:58:15.0	J2000.00	1.056	180.0	04:47:45.3	319.8	r	Sloan	1	1 x 1	
277380	M31-microfld2		0:43:10.00	+40:58:15.0	J2000.00	1.063	180.0	04:54:23.8	319.7	r	Sloan	1	1 x 1	
277381	M31-microfld2		0:43:10.00	+40:58:15.0	J2000.00	1.070	180.0	05:01:02.4	319.8	i	Sloan	1	1 x 1	
277382	M31-microfld2		0:43:09.99	+40:58:14.9	J2000.00	1.078	180.0	05:07:40.9	319.7	i	Sloan	1	1 x 1	
277383	f_76	V	23:42:23.50	+28:10:00.1	J2000.00	1.226	180.0	05:16:28.4	599.5	V	Harris	1	1 x 1	