INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20010820
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) 0
                      (2nd half) 0
SEEING (arcsec):      (1st half) 1.1
                      (2nd half) 0.7-0.9

DOME OPENED (UT):     19:00
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METEOROLOGICAL PARAMETERS

| LT | AirT | Hum% | Wspd | Gust | Wdir | Press | LocT | IntT | Mirr | LocRH | IntRH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20:00 | 11.9 | 45 | 23.7 | 27.2 | 311 | 772.9 | 11.6 | 14.8 | 15.4 | 44 | 37 |
| 21:00 | 11.0 | 32 | 25.2 | 26.6 | 306 | 773.3 | 11.3 | 13.6 | 15.5 | 30 | 26 |
| 22:00 | 11.1 | 30 | 24.6 | 26.3 | 305 | 774.0 | 11.9 | 13.9 | 15.2 | 29 | 25 |
| 23:00 | 11.2 | 29 | 19.1 | 19.6 | 306 | 774.3 | 13.0 | 13.7 | 15.2 | 19 | 25 |
| 00:00 | 12.6 | 17 | 14.5 | 16.6 | 304 | 774.4 | 13.8 | 13.9 | 15.2 | 17 | 16 |
| 01:00 | 13.0 | 24 | 13.2 | 15.1 | 277 | 774.2 | 14.4 | 13.8 | 14.7 | 19 | 19 |
| 02:00 | 12.9 | 28 | 16.9 | 18.9 | 315 | 774.1 | 13.8 | 14.0 | 15.2 | 10 | 13 |
| 03:00 | 12.6 | 11 | 16.2 | 17.3 | 303 | 773.7 | 13.8 | 13.8 | 15.1 | 9 | 15 |
| 04:00 | 12.4 | 11 | 16.7 | 17.8 | 306 | 773.5 | 13.6 | 14.1 | 15.1 | 8 | 13 |
| 05:00 | 12.5 | 27 | 10.8 | 11.3 | 308 | 773.5 | 13.6 | 13.6 | 15.0 | 17 | 18 |
| 06:00 | 12.7 | 46 | 11.0 | 13.2 | 314 | 773.5 | 14.0 | 13.5 | 14.9 | 49 | 42 |

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SUNSET(UT)            19:54
EVENING TWILIGHT(UT)  21:10
MORNING TWILIGHT(UT)  05:20
SUNRISE(UT)           06:36
MOON'S QUARTER (1-4)  1
DISK % OF ILLUM.      5
DARK TIME             08:10
TWILIGHT TIME         02:32
MOONRISE(UT)          No moonrise within sunset-sunrise
MOONSET(UT)           21:18

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

COMMENTS:
  Electronic Log stopped working after 3 am.
  0.7" seeing towards the end of the night.
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| Run no. | Object name | RA | Dec. | Equinox | AM | PA | UT | Exp. T. | Filter | Psys | Channel | Binning | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 276949 | Dark frame | 0:00:00.00 | +00:00:00.0 | J2000.00 | 4.198 | 180.0 | 11:07:58.9 | 600.0 | z | Gunn | 1 | 1 x 1 | |
| 276950 | Dark frame | 0:00:00.00 | +00:00:00.0 | J2000.00 | 4.198 | 180.0 | 11:18:38.6 | 600.0 | z | Gunn | 1 | 1 x 1 | |
| 276951 | Dark frame | 0:00:00.00 | +00:00:00.0 | J2000.00 | 4.198 | 180.0 | 11:29:18.4 | 600.0 | z | Gunn | 1 | 1 x 1 | |
| 276952 | Dark frame | 0:00:00.00 | +00:00:00.0 | J2000.00 | 4.198 | 180.0 | 11:39:57.6 | 600.0 | z | Gunn | 1 | 1 x 1 | |
| 276953 | Dark frame | 0:00:00.00 | +00:00:00.0 | J2000.00 | 4.198 | 180.0 | 11:50:37.3 | 600.0 | z | Gunn | | 1 x 1 | |
| 276954 | Dark frame | 0:00:00.00 | +00:00:00.0 | J2000.00 | 4.198 | 180.0 | 12:01:16.5 | 600.0 | z | Gunn | | 1 x 1 | |
| 276955 | Preflash only | 0:00:00.00 | +00:00:00.0 | J2000.00 | 4.198 | 180.0 | 12:17:44.9 | 0.0 | z | Gunn | | 1 x 1 | |
| 276956 | Bias frame | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.422 | 180.0 | 12:58:31.4 | 0.0 | B | Harris | | 1 x 1 | |
| 276957 | Bias | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.000 | 180.0 | 16:26:10.2 | 0.0 | r | Sloan | | 1 x 1 | |
| 276958 | Bias | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.000 | 180.0 | 16:33:54.6 | 0.0 | r | Sloan | | 1 x 1 | |
| 276959 | Bias | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.000 | 180.0 | 16:34:39.0 | 0.0 | r | Sloan | | 1 x 1 | |
| 276960 | Bias | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.000 | 180.0 | 16:35:18.6 | 0.0 | r | Sloan | | 1 x 1 | |
| 276961 | Bias | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.000 | 180.0 | 16:35:58.0 | 0.0 | r | Sloan | | 1 x 1 | |
| 276962 | Bias | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.000 | 180.0 | 16:36:37.3 | 0.0 | r | Sloan | | 1 x 1 | |
| 276963 | Bias | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.000 | 180.0 | 16:37:16.3 | 0.0 | r | Sloan | | 1 x 1 | |
| 276964 | Bias | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.000 | 180.0 | 16:37:55.3 | 0.0 | r | Sloan | | 1 x 1 | |
| 276965 | Bias | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.000 | 180.0 | 16:38:34.4 | 0.0 | r | Sloan | | 1 x 1 | |
| 276966 | Bias | 0:00:00.00 | +00:00:00.0 | J2000.00 | 1.000 | 180.0 | 16:39:13.6 | 0.0 | r | Sloan | | 1 x 1 | |
| 276967 | Skyflat B 1s | 16:59:59.99 | +41:00:00.0 | J2000.00 | 1.025 | 180.0 | 19:58:15.2 | 2.0 | B | Harris | | 1 x 1 | Saturated |
| 276968 | Skyflat B 1s | 16:59:59.99 | +41:00:00.0 | J2000.00 | 1.024 | 180.0 | 20:05:06.4 | 1.3 | B | Harris | | 1 x 1 | |
| 276969 | Skyflat B 1s | 17:00:00.00 | +40:59:59.9 | J2000.00 | 1.024 | 180.0 | 20:06:12.1 | 1.4 | B | Harris | | 1 x 1 | |
| 276970 | Skyflat B 1.5s | 17:00:00.00 | +41:00:00.0 | J2000.00 | 1.024 | 180.0 | 20:07:12.4 | 1.6 | B | Harris | | 1 x 1 | |
| 276971 | Skyflat B 2.5s | 16:59:59.99 | +41:00:00.0 | J2000.00 | 1.023 | 180.0 | 20:08:15.0 | 2.6 | B | Harris | | 1 x 1 | |
| 276972 | Skyflat B 4s | 17:00:00.00 | +41:00:00.0 | J2000.00 | 1.023 | 180.0 | 20:09:14.5 | 4.1 | B | Harris | | 1 x 1 | |
| 276973 | Skyflat V 3s | 17:00:00.00 | +40:59:59.9 | J2000.00 | 1.023 | 180.0 | 20:10:18.1 | 3.1 | V | Harris | | 1 x 1 | |
| 276974 | Skyflat V 5s | 17:00:00.00 | +40:59:59.9 | J2000.00 | 1.023 | 180.0 | 20:11:27.3 | 5.1 | V | Harris | | 1 x 1 | |
| 276975 | Skyflat V 10s | 17:00:01.76 | +41:00:19.8 | J2000.00 | 1.023 | 180.0 | 20:12:56.0 | 10.1 | V | Harris | | 1 x 1 | |
| 276976 | Skyflat V 17s | 17:00:03.53 | +41:00:40.0 | J2000.00 | 1.023 | 180.0 | 20:14:07.2 | 17.1 | V | Harris | | 1 x 1 | |
| 276977 | Skyflat V 25s | 17:00:05.30 | +41:01:00.0 | J2000.00 | 1.023 | 180.0 | 20:15:34.9 | 25.1 | V | Harris | | 1 x 1 | |
| 276978 | Skyflat I 25s | 17:00:05.30 | +41:00:59.9 | J2000.00 | 1.023 | 180.0 | 20:16:56.0 | 25.1 | I | INT-WFC | | 1 x 1 | |
| 276979 | Skyflat I 40s | 17:00:03.53 | +41:00:39.9 | J2000.00 | 1.023 | 180.0 | 20:18:17.7 | 40.0 | I | INT-WFC | | 1 x 1 | |
| 276980 | Skyflat I 70s | 17:00:01.76 | +41:00:20.0 | J2000.00 | 1.023 | 180.0 | 20:20:01.9 | 70.0 | I | INT-WFC | | 1 x 1 | |
| 276981 | Skyflat I 100s | 17:00:00.00 | +41:00:00.0 | J2000.00 | 1.024 | 180.0 | 20:22:19.7 | 100.0 | I | INT-WFC | | 1 x 1 | |
| 276982 | Focus run | 18:43:09.00 | -00:08:49.9 | J2000.00 | 1.236 | 180.0 | 20:28:53.5 | 10.1 | V | Harris | | 1 x 1 | |
| 276983 | sa110-364 V | 18:43:13.00 | -00:12:19.9 | J2000.00 | 1.221 | 180.0 | 20:34:59.6 | 20.1 | V | Harris | | 1 x 1 | |
| 276984 | sa110-364 B | 18:43:13.00 | -00:12:20.0 | J2000.00 | 1.218 | 180.0 | 20:36:29.0 | 50.1 | B | Harris | | 1 x 1 | |
| 276985 | sa110-364 I | 18:43:13.00 | -00:12:19.9 | J2000.00 | 1.214 | 180.0 | 20:38:24.6 | 20.1 | I | INT-WFC | | 1 x 1 | |
| 276987 | ngc6440 V | 17:48:52.66 | -20:21:34.5 | J2000.00 | 1.530 | 180.0 | 20:46:17.7 | 299.2 | V | Harris | | 1 x 1 | |
| 276988 | ngc6440 B | 17:48:52.67 | -20:21:34.4 | J2000.00 | 1.527 | 180.0 | 20:52:37.6 | 299.8 | B | Harris | | 1 x 1 | |
| 276989 | ngc6440 I | 17:48:52.67 | -20:21:34.5 | J2000.00 | 1.526 | 180.0 | 20:58:57.4 | 299.8 | I | INT-WFC | | 1 x 1 | |
| 276990 | f_72 V | 18:29:59.99 | +35:59:59.9 | J2000.00 | 1.015 | 180.0 | 21:07:34.9 | 599.4 | V | Harris | | 1 x 1 | |
| 276991 | f_72 V | 18:30:00.00 | +36:00:00.0 | J2000.00 | 1.011 | 180.0 | 21:19:01.7 | 599.5 | V | Harris | | 1 x 1 | |
| 276992 | f_72 V | 18:30:00.00 | +36:00:00.0 | J2000.00 | 1.009 | 180.0 | 21:30:28.8 | 599.3 | V | Harris | | 1 x 1 | |
| 276993 | f_72 V | 18:30:00.00 | +36:00:00.0 | J2000.00 | 1.008 | 180.0 | 21:41:56.8 | 599.5 | V | Harris | | 1 x 1 | |
| 276994 | f_73 V | 18:33:00.01 | +35:59:59.8 | J2000.00 | 1.009 | 180.0 | 21:54:17.6 | 599.6 | V | Harris | | 1 x 1 | |
| 276995 | f_73 V | 18:33:00.00 | +36:00:00.1 | J2000.00 | 1.012 | 180.0 | 22:05:45.9 | 599.5 | V | Harris | | 1 x 1 | |
| 276996 | f_73 V | 18:33:00.00 | +36:00:00.0 | J2000.00 | 1.016 | 180.0 | 22:17:15.6 | 599.5 | V | Harris | | 1 x 1 | |
| 276997 | f_73 V | 18:33:00.00 | +35:59:59.9 | J2000.00 | 1.023 | 180.0 | 22:28:42.6 | 599.4 | V | Harris | | 1 x 1 | |
| 276998 | f_74 V | 18:33:30.00 | +36:35:00.0 | J2000.00 | 1.033 | 180.0 | 22:41:05.9 | 599.5 | V | Harris | | 1 x 1 | |
| 276999 | f_74 V | 18:33:30.00 | +36:35:00.0 | J2000.00 | 1.044 | 180.0 | 22:52:32.1 | 599.5 | V | Harris | | 1 x 1 | |
| 277000 | f_74 V | 18:33:30.00 | +36:35:00.0 | J2000.00 | 1.056 | 180.0 | 23:03:57.4 | 599.3 | V | Harris | | 1 x 1 | |
| 277001 | f_74 V | 18:33:30.00 | +36:34:59.9 | J2000.00 | 1.071 | 180.0 | 23:15:23.0 | 599.5 | V | Harris | | 1 x 1 | |
| 277002 | f_75 V | 18:32:39.99 | +35:25:00.0 | J2000.00 | 1.088 | 180.0 | 23:27:17.2 | 599.5 | V | Harris | | 1 x 1 | |
| 277003 | f_75 V | 18:32:39.99 | +35:25:00.0 | J2000.00 | 1.108 | 180.0 | 23:38:43.6 | 599.4 | V | Harris | | 1 x 1 | |
| 277004 | f_75 V | 18:32:39.99 | +35:24:59.9 | J2000.00 | 1.131 | 180.0 | 23:50:10.3 | 599.5 | V | Harris | | 1 x 1 | |
| 277005 | f_75 V | 18:32:40.00 | +35:25:00.0 | J2000.00 | 1.157 | 180.0 | 00:01:35.5 | 599.0 | V | Harris | | 1 x 1 | |
| 277006 | sa113-272 V | 21:42:21.00 | +00:21:03.9 | J2000.00 | 1.156 | 180.0 | 00:13:52.8 | 20.1 | V | Harris | | 1 x 1 | |
| 277007 | sa113-272 B | 21:42:21.00 | +00:21:04.0 | J2000.00 | 1.154 | 180.0 | 00:15:21.6 | 50.1 | B | Harris | | 1 x 1 | |
| 277008 | sa113-272 I | 21:42:20.99 | +00:21:04.0 | J2000.00 | 1.153 | 180.0 | 00:17:16.5 | 20.1 | I | INT-WFC | | 1 x 1 | |
| 277009 | sa113-272 V | 21:42:21.00 | +00:21:04.0 | J2000.00 | 1.152 | 180.0 | 00:19:04.4 | 20.1 | V | Harris | | 1 x 1 | |

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277010 sa113-272 B        21:42:21.00 +00:21:04.0 J2000.00 1.150 180.0 00:20:31.7     50.1       B     Harris           1 x 1
277011 sa113-272 I        21:42:21.00 +00:21:04.0 J2000.00 1.149 180.0 00:22:26.9     20.1       I    INT-WFC           1 x 1
277012 sa113-272 V        21:42:21.00 +00:21:03.9 J2000.00 1.148 180.0 00:24:13.7     19.6       V     Harris           1 x 1
277013 sa113-272 B        21:42:21.00 +00:21:04.0 J2000.00 1.146 180.0 00:25:41.9     50.1       B     Harris           1 x 1
277014 sa113-272 I        21:42:21.00 +00:21:04.0 J2000.00 1.145 180.0 00:27:36.9     20.1       I    INT-WFC           1 x 1
277015 sa113-272 V        21:42:20.99 +00:21:03.8 J2000.00 1.144 180.0 00:29:09.8     20.1       V     Harris           1 x 1
277016 sa113-272 B        21:42:21.00 +00:21:04.0 J2000.00 1.143 180.0 00:30:36.4     50.0       B     Harris           1 x 1
277017 sa113-272 I        21:42:20.99 +00:21:04.0 J2000.00 1.143 180.0 00:32:30.8     20.1       I    INT-WFC           1 x 1
277018 f_76 V             23:42:23.49 +28:09:59.7 J2000.00 1.147 180.0 00:37:29.4    599.3       V     Harris           1 x 1
277019 f_76 B             23:42:23.50 +28:10:00.0 J2000.00 1.121 180.0 00:48:50.6    599.5       B     Harris           1 x 1
277020 f_76 I             23:42:23.49 +28:10:00.1 J2000.00 1.093 180.0 01:00:18.8    899.1       I    INT-WFC           1 x 1
277021 f_76 V             23:42:23.50 +28:09:59.9 J2000.00 1.069 180.0 01:16:42.4    599.4       V     Harris           1 x 1
277022 f_77 V             23:45:00.00 +28:10:00.0 J2000.00 1.056 180.0 01:28:37.6    599.5       V     Harris           1 x 1
277023 f_77 B             23:44:59.99 +28:10:00.0 J2000.00 1.041 180.0 01:39:57.5    599.3       B     Harris           1 x 1
277024 f_77 I             23:44:59.99 +28:10:00.1 J2000.00 1.027 180.0 01:51:17.3    899.3       I    INT-WFC           1 x 1
277025 f_77 V             23:45:00.00 +28:10:00.0 J2000.00 1.016 180.0 02:07:45.6    599.5       V     Harris           1 x 1
277026 f_78 V             23:47:39.99 +28:10:00.0 J2000.00 1.010 180.0 02:19:40.6    598.9       V     Harris    1      1 x 1
277027 f_78 B             23:47:39.99 +28:09:59.9 J2000.00 1.005 180.0 02:31:00.6    599.4       B     Harris    1      1 x 1
277028 f_78 I             23:47:40.00 +28:10:00.1 J2000.00 1.001 180.0 02:42:21.6    899.2       I    INT-WFC    1      1 x 1
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