INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:             INT
DATE:                  1999 May 12/13
INT TAPE NR:           INTD4046
OBSERVER:              P.Groot, M. Everett, M. Huber
PROGRAMME:             The faint sky varibility survey
PATT/CAT:              WFS10
TELESCOPE OPERATOR:    J. Rey
SUPPORT ASTRONOMER:    C. Packham

FOCUS:                 PRIME
INSTRUMENT:            WFC
FILTER WHEEL (PF):     I,R,V,B,U,Z
CAMERA (IDS):          ---
COLLIMATOR (IDS):      ---
COLL. FOCUS (IDS):     ---
GRATING (IDS):         ---
DETECTOR:              4xEEV
PIXELS:                2K x 4K
PIXEL SIZE (microns): 13.5
WINDOW:                none
BINNING:               none

WEATHER:               Fair, high clouds
OUTSIDE TEMP (deg C): 15.0        (FIRST HALF)
OUTSIDE TEMP (deg C): 15.0        (SECOND HALF)
HUMIDITY (%):          15         (FIRST HALF)
HUMIDITY (%):          15         (SECOND HALF)
CLOUD COVER (%):       50         (FIRST HALF)
CLOUD COVER (%):       50         (SECOND HALF)
DUST (0 - 2):           0         (FIRST HALF)
DUST (0 - 2):           0         (SECOND HALF)
SEEING (arcsec):        -         (FIRST HALF)
SEEING (arcsec):        -         (SECOND HALF)
AV. SEEING (arcsec):    -
NO. SEEING MEASURES:    -

UTC    TELESCOPE                CASELLA OUT   CASELLA IN    SEEING
       AZ   EL  Focus  TComp     Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:            07:32
DOME OPEN (UTC):       01:45
MOON PHASE (D/G/B):       D
DK HRS LOST (WEATHER):00.00
DK HRS LOST (TELESC): 00:30
DK HRS LOST (DOME):    00:00
DK HRS LOST (INSTR.): 04:23
DK HRS LOST (DET.):    00:00
DK HRS LOST (COMPS.): 00:00
DK HRS LOST (A&G):     00:00
DK HRS LOST (OTHER):   00:00

COMMENTS:
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
163908	Bias frame	0:00:00.00	+00:00:00.0	A	1.493	179.8	11:33:50.3	0.0			1	1 x 1	
163909	Bias frame	0:00:00.00	+00:00:00.0	A	1.493	179.8	11:33:50.3	0.0			5	1 x 1	
163910	Bias frame	0:00:00.00	+00:00:00.0	A	1.493	179.8	11:33:50.3	0.0			3	1 x 1	
163911	Bias frame	0:00:00.00	+00:00:00.0	A	1.493	179.8	11:33:50.3	0.0			4	1 x 1	
163916	Bias frame	0:00:00.00	+00:00:00.0	A	1.540	89.9	01:12:00.6	0.0	Unknown	Unknown	1	1 x 1	
163917	Bias frame	0:00:00.00	+00:00:00.0	A	1.540	89.9	01:12:00.6	0.0	Unknown	Unknown	5	1 x 1	

163918	Bias frame	0:00:00.00	+00:00:00.0	A	1.540	89.9	01:12:00.6	0.0	Unknown	Unknown	3	1 x 1
163919	Bias frame	0:00:00.00	+00:00:00.0	A	1.540	89.9	01:12:00.6	0.0	Unknown	Unknown	4	1 x 1
163920	Bias frame	0:00:00.00	+00:00:00.0	A	1.540	136.2	01:15:40.8	0.0	Unknown	Unknown	1	1 x 1
163921	Bias frame	0:00:00.00	+00:00:00.0	A	1.540	136.2	01:15:40.8	0.0	Unknown	Unknown	5	1 x 1
163922	Bias frame	0:00:00.00	+00:00:00.0	A	1.540	136.2	01:15:40.8	0.0	Unknown	Unknown	3	1 x 1
163923	Bias frame	0:00:00.00	+00:00:00.0	A	1.540	136.2	01:15:40.8	0.0	Unknown	Unknown	4	1 x 1
163924	Bias frame	0:00:00.00	+00:00:00.0	A	1.147	179.8	01:37:14.7	0.0	U	RGO	1	1 x 1
163925	Bias frame	0:00:00.00	+00:00:00.0	A	1.147	179.8	01:37:14.7	0.0	U	RGO	5	1 x 1
163926	Bias frame	0:00:00.00	+00:00:00.0	A	1.147	179.8	01:37:14.7	0.0	U	RGO	3	1 x 1
163927	Bias frame	0:00:00.00	+00:00:00.0	A	1.147	179.8	01:37:14.7	0.0	U	RGO	4	1 x 1
163932	Focus run	16:59:32.19	+07:45:47.0	J2000.00	1.074	179.8	03:08:36.9	10.1	V	Harris	1	1 x 1
163933	Focus run	16:59:32.19	+07:45:47.0	J2000.00	1.074	179.8	03:08:36.9	10.1	V	Harris	5	1 x 1
163934	Focus run	16:59:32.19	+07:45:47.0	J2000.00	1.074	179.8	03:08:36.9	10.1	V	Harris	3	1 x 1
163935		16:59:32.19	+07:45:47.0	J2000.00	1.074	179.8	03:08:36.9	10.1	V	Harris	4	1 x 1
163936	Focus run	16:59:32.20	+07:46:32.0	J2000.00	1.078	179.8	03:17:34.7	9.6	V	Harris	1	1 x 1
163937	Focus run	16:59:32.20	+07:46:32.0	J2000.00	1.078	179.8	03:17:34.7	9.6	V	Harris	5	1 x 1
163938	Focus run	16:59:32.20	+07:46:32.0	J2000.00	1.078	179.8	03:17:34.7	9.6	V	Harris	3	1 x 1
163939	Focus run	16:59:32.20	+07:46:32.0	J2000.00	1.078	179.8	03:17:34.7	9.6	V	Harris	4	1 x 1
163940	F_27 60s V	16:23:35.79	+26:33:50.1	J2000.00	1.057	179.8	03:38:00.8	60.1	V	Harris	1	1 x 1
163941	F_27 60s V	16:23:35.79	+26:33:50.1	J2000.00	1.057	179.8	03:38:00.8	60.1	V	Harris	5	1 x 1
163942	F_27 60s V	16:23:35.79	+26:33:50.1	J2000.00	1.057	179.8	03:38:00.8	60.1	V	Harris	3	1 x 1
163943	F_27 60s V	16:23:35.79	+26:33:50.1	J2000.00	1.057	179.8	03:38:00.8	60.1	V	Harris	4	1 x 1
163944	F_27 600s V	16:23:35.80	+26:33:50.0	J2000.00	1.076	179.8	03:45:31.4	599.4	V	Harris	1	1 x 1
163945	F_27 600s V	16:23:35.80	+26:33:50.0	J2000.00	1.076	179.8	03:45:31.4	599.4	V	Harris	5	1 x 1
163946	F_27 600s V	16:23:35.80	+26:33:50.0	J2000.00	1.076	179.8	03:45:31.4	599.4	V	Harris	3	1 x 1
163947	F_27 600s V	16:23:35.80	+26:33:50.0	J2000.00	1.076	179.8	03:45:31.4	599.4	V	Harris	4	1 x 1
163948	F_28 60s V	16:21:19.99	+26:33:50.0	J2000.00	1.100	179.8	04:01:43.6	60.1	V	Harris	1	1 x 1
163949	F_28 60s V	16:21:19.99	+26:33:50.0	J2000.00	1.100	179.8	04:01:43.6	60.1	V	Harris	5	1 x 1
163950	F_28 60s V	16:21:19.99	+26:33:50.0	J2000.00	1.100	179.8	04:01:43.6	60.1	V	Harris	3	1 x 1
163951	F_28 60s V	16:21:19.99	+26:33:50.0	J2000.00	1.100	179.8	04:01:43.6	60.1	V	Harris	4	1 x 1
163952	F_28 600s V	16:21:20.00	+26:33:49.9	J2000.00	1.118	179.8	04:05:53.4	599.4	V	Harris	1	1 x 1
163953	F_28 600s V	16:21:20.00	+26:33:49.9	J2000.00	1.118	179.8	04:05:53.4	599.4	V	Harris	5	1 x 1
163954	F_28 600s V	16:21:20.00	+26:33:49.9	J2000.00	1.118	179.8	04:05:53.4	599.4	V	Harris	3	1 x 1
163955	F_28 600s V	16:21:20.00	+26:33:49.9	J2000.00	1.118	179.8	04:05:53.4	599.4	V	Harris	4	1 x 1
163956	F_29 60s V	16:25:45.00	+26:33:50.0	J2000.00	1.132	179.8	04:21:19.4	60.1	V	Harris	1	1 x 1
163957	F_29 60s V	16:25:45.00	+26:33:50.0	J2000.00	1.132	179.8	04:21:19.4	60.1	V	Harris	5	1 x 1
163958	F_29 60s V	16:25:45.00	+26:33:50.0	J2000.00	1.132	179.8	04:21:19.4	60.1	V	Harris	3	1 x 1
163959	F_29 60s V	16:25:45.00	+26:33:50.0	J2000.00	1.132	179.8	04:21:19.4	60.1	V	Harris	4	1 x 1
163960	F_29 600s V	16:25:45.00	+26:33:49.9	J2000.00	1.154	179.8	04:25:29.6	599.4	V	Harris	1	1 x 1
163961	F_29 600s V	16:25:45.00	+26:33:49.9	J2000.00	1.154	179.8	04:25:29.6	599.4	V	Harris	5	1 x 1
163962	F_29 600s V	16:25:45.00	+26:33:49.9	J2000.00	1.154	179.8	04:25:29.6	599.4	V	Harris	3	1 x 1
163963	F_29 600s V	16:25:45.00	+26:33:49.9	J2000.00	1.154	179.8	04:25:29.6	599.4	V	Harris	4	1 x 1
163964	F_30 60s V	16:28:00.00	+26:33:50.0	J2000.00	1.173	179.8	04:39:41.9	60.1	V	Harris	1	1 x 1
163965	F_30 60s V	16:28:00.00	+26:33:50.0	J2000.00	1.173	179.8	04:39:41.9	60.1	V	Harris	5	1 x 1
163966	F_30 60s V	16:28:00.00	+26:33:50.0	J2000.00	1.173	179.8	04:39:41.9	60.1	V	Harris	3	1 x 1
163967	F_30 60s V	16:28:00.00	+26:33:50.0	J2000.00	1.173	179.8	04:39:41.9	60.1	V	Harris	4	1 x 1
163968	F_30 600s V	16:28:00.00	+26:33:49.9	J2000.00	1.197	179.8	04:43:38.4	599.5	V	Harris	1	1 x 1
163969	F_30 600s V	16:28:00.00	+26:33:49.9	J2000.00	1.197	179.8	04:43:38.4	599.5	V	Harris	5	1 x 1
163970	F_30 600s V	16:28:00.00	+26:33:49.9	J2000.00	1.197	179.8	04:43:38.4	599.5	V	Harris	3	1 x 1
163971	F_30 600s V	16:28:00.00	+26:33:49.9	J2000.00	1.197	179.8	04:43:38.4	599.5	V	Harris	4	1 x 1
163972	F_31 60s V	17:20:08.89	+26:38:06.0	J2000.00	1.095	179.8	04:57:50.9	60.0	V	Harris	1	1 x 1
163973	F_31 60s V	17:20:08.89	+26:38:06.0	J2000.00	1.095	179.8	04:57:50.9	60.0	V	Harris	5	1 x 1
163974	F_31 60s V	17:20:08.89	+26:38:06.0	J2000.00	1.095	179.8	04:57:50.9	60.0	V	Harris	3	1 x 1
163975	F_31 60s V	17:20:08.89	+26:38:06.0	J2000.00	1.095	179.8	04:57:50.9	60.0	V	Harris	4	1 x 1
163976	F_31 600s V	17:20:08.89	+26:38:05.8	J2000.00	1.112	179.8	05:01:48.1	599.4	V	Harris	1	1 x 1
163977	F_31 600s V	17:20:08.89	+26:38:05.8	J2000.00	1.112	179.8	05:01:48.1	599.4	V	Harris	5	1 x 1
163978	F_31 600s V	17:20:08.89	+26:38:05.8	J2000.00	1.112	179.8	05:01:48.1	599.4	V	Harris	3	1 x 1
163979	F_31 600s V	17:20:08.89	+26:38:05.8	J2000.00	1.112	179.8	05:01:48.1	599.4	V	Harris	4	1 x 1
163980	F_32 60s V	17:19:49.99	+26:00:00.0	J2000.00	1.135	179.8	05:15:50.4	60.0	V	Harris	1	1 x 1
163981	F_32 60s V	17:19:49.99	+26:00:00.0	J2000.00	1.135	179.8	05:15:50.4	60.0	V	Harris	5	1 x 1
163982	F_32 60s V	17:19:49.99	+26:00:00.0	J2000.00	1.135	179.8	05:15:50.4	60.0	V	Harris	3	1 x 1
163983	F_32 60s V	17:19:49.99	+26:00:00.0	J2000.00	1.135	179.8	05:15:50.4	60.0	V	Harris	4	1 x 1

163984	F_32 600s V	17:19:49.99	+26:00:00.0	J2000.00	1.156	179.8	05:19:47.9	599.4	V	Harris	1	1 x 1
163985	F_32 600s V	17:19:49.99	+26:00:00.0	J2000.00	1.156	179.8	05:19:47.9	599.4	V	Harris	5	1 x 1
163986	F_32 600s V	17:19:49.99	+26:00:00.0	J2000.00	1.156	179.8	05:19:47.9	599.4	V	Harris	3	1 x 1
163987	F_32 600s V	17:19:49.99	+26:00:00.0	J2000.00	1.156	179.8	05:19:47.9	599.4	V	Harris	4	1 x 1
163988	Flat field	21:26:54.39	-08:51:40.9	B1950.00	1.405	179.8	05:34:17.9	382.6	V	Harris	1	1 x 1
163989	Flat field	21:26:54.39	-08:51:40.9	B1950.00	1.405	179.8	05:34:17.9	382.6	V	Harris	5	1 x 1
163990	Flat field	21:26:54.39	-08:51:40.9	B1950.00	1.405	179.8	05:34:17.9	382.6	V	Harris	3	1 x 1
163991	Flat field	21:26:54.39	-08:51:40.9	B1950.00	1.405	179.8	05:34:17.9	382.6	V	Harris	4	1 x 1
163992	Flat field	21:26:54.40	-08:51:40.9	B1950.00	1.384	179.8	05:43:54.9	65.0	V	Harris	1	1 x 1
163993	Flat field	21:26:54.40	-08:51:40.9	B1950.00	1.384	179.8	05:43:54.9	65.0	V	Harris	5	1 x 1
163994	Flat field	21:26:54.40	-08:51:40.9	B1950.00	1.384	179.8	05:43:54.9	65.0	V	Harris	3	1 x 1
163995	Flat field	21:26:54.40	-08:51:40.9	B1950.00	1.384	179.8	05:43:54.9	65.0	V	Harris	4	1 x 1
163996	sky flat V 20s	21:26:54.39	-08:51:31.0	B1950.00	1.373	179.8	05:48:20.0	20.1	V	Harris	1	1 x 1
163997	sky flat V 20s	21:26:54.39	-08:51:31.0	B1950.00	1.373	179.8	05:48:20.0	20.1	V	Harris	5	1 x 1
163998	sky flat V 20s	21:26:54.39	-08:51:31.0	B1950.00	1.373	179.8	05:48:20.0	20.1	V	Harris	3	1 x 1
163999	sky flat V 20s	21:26:54.39	-08:51:31.0	B1950.00	1.373	179.8	05:48:20.0	20.1	V	Harris	4	1 x 1
164000	sky flat V 7s	21:26:55.07	-08:51:30.9	B1950.00	1.364	179.8	05:51:37.6	6.1	V	Harris	1	1 x 1
164001	sky flat V 7s	21:26:55.07	-08:51:30.9	B1950.00	1.364	179.8	05:51:37.6	6.1	V	Harris	5	1 x 1
164002	sky flat V 7s	21:26:55.07	-08:51:30.9	B1950.00	1.364	179.8	05:51:37.6	6.1	V	Harris	3	1 x 1
164003	sky flat V 7s	21:26:55.07	-08:51:30.9	B1950.00	1.364	179.8	05:51:37.6	6.1	V	Harris	4	1 x 1
164004	sky flat V 3s	21:26:56.42	-08:51:30.9	B1950.00	1.356	179.8	05:54:41.3	3.1	V	Harris	1	1 x 1
164005	sky flat V 3s	21:26:56.42	-08:51:30.9	B1950.00	1.356	179.8	05:54:41.3	3.1	V	Harris	5	1 x 1
164006	sky flat V 3s	21:26:56.42	-08:51:30.9	B1950.00	1.356	179.8	05:54:41.3	3.1	V	Harris	3	1 x 1
164007	sky flat V 3s	21:26:56.42	-08:51:30.9	B1950.00	1.356	179.8	05:54:41.3	3.1	V	Harris	4	1 x 1
164008	sky flat V 1s	21:26:56.42	-08:51:51.0	B1950.00	1.349	179.8	05:57:41.3	1.3	V	Harris	1	1 x 1
164009	sky flat V 1s	21:26:56.42	-08:51:51.0	B1950.00	1.349	179.8	05:57:41.3	1.3	V	Harris	5	1 x 1
164010	sky flat V 1s	21:26:56.42	-08:51:51.0	B1950.00	1.349	179.8	05:57:41.3	1.3	V	Harris	3	1 x 1
164011	sky flat V 1s	21:26:56.42	-08:51:51.0	B1950.00	1.349	179.8	05:57:41.3	1.3	V	Harris	4	1 x 1
164012	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:06:16.9	0.0	V	Harris	1	1 x 1
164013	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:06:16.9	0.0	V	Harris	5	1 x 1
164014	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:06:16.9	0.0	V	Harris	3	1 x 1
164015	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:06:16.9	0.0	V	Harris	4	1 x 1
164016	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:09:07.3	0.0	V	Harris	1	1 x 1
164017	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:09:07.3	0.0	V	Harris	5	1 x 1
164018	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:09:07.3	0.0	V	Harris	3	1 x 1
164019	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:09:07.3	0.0	V	Harris	4	1 x 1
164020	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:11:57.3	0.0	V	Harris	1	1 x 1
164021	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:11:57.3	0.0	V	Harris	5	1 x 1
164022	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:11:57.3	0.0	V	Harris	3	1 x 1
164023	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:11:57.3	0.0	V	Harris	4	1 x 1
164024	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:14:47.7	0.0	V	Harris	1	1 x 1
164025	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:14:47.7	0.0	V	Harris	5	1 x 1
164026	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:14:47.7	0.0	V	Harris	3	1 x 1
164027	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:14:47.7	0.0	V	Harris	4	1 x 1
164028	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:17:37.9	0.0	V	Harris	1	1 x 1
164029	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:17:37.9	0.0	V	Harris	5	1 x 1
164030	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:17:37.9	0.0	V	Harris	3	1 x 1
164031	Bias frame	0:00:00.00	+00:00:00.0	B1950.00	1.000	179.8	06:17:37.9	0.0	V	Harris	4	1 x 1