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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:             INT
DATE:                  1999 OCT 10/11
INT TAPE NR:           INTD4203
OBSERVER:              S. T. Hodgkin
PROGRAMME:             WFS + M31 +SNe
PATT/CAT:              I/99B/WFS09
TELESCOPE OPERATOR:    --
SUPPORT ASTRONOMER:    --

FOCUS:                 Prime
INSTRUMENT:            WFC
FILTER WHEEL (PF):     U, g', r', i', Z, I(rgo)
CAMERA (IDS):          -
COLLIMATOR (IDS):      -
COLL. FOCUS (IDS):     -
GRATING (IDS):         -
DETECTOR:              -
PIXELS:                4x2154x4200
PIXEL SIZE (microns): 13.5
WINDOW:                -
BINNING:               in X=1, in Y=1

WEATHER:               High humidity, clouds at start
OUTSIDE TEMP (deg C):    3.5              (FIRST HALF)
OUTSIDE TEMP (deg C):    4.5              (SECOND HALF)
HUMIDITY (%):            95               (FIRST HALF)
HUMIDITY (%):           100               (SECOND HALF)
CLOUD COVER (%):                          (FIRST HALF)
CLOUD COVER (%):          0               (SECOND HALF)
DUST (0 - 2):                             (FIRST HALF)
DUST (0 - 2):                             (SECOND HALF)
SEEING (arcsec):                          (FIRST HALF)
SEEING (arcsec):         1.2              (SECOND HALF)
AV. SEEING (arcsec):     1.2
NO. SEEING MEASURES:      0

UTC    TELESCOPE                 CASELLA OUT   CASELLA IN    SEEING
       AZ   ZD  Focus  TubeTemp  Temp   Humid  Temp   Humid  Det./TV  Comments

DARK HOURS:            09:45
DOME OPEN (UTC):       00:00
MOON PHASE (D/G/B):        D
DK HRS LOST (WEATHER): 4:00
DK HRS LOST (TELESC): 00:20 (focus oscillation)
DK HRS LOST (DOME):    00:00
DK HRS LOST (INSTR.): 00:00
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:

High humidity prevented opening at first. Couds visible to north throughout
night. 20 minutes lost to focus oscillation. See fault report.
SN, WFS, M31 data
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Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys	Channel	Binning	Comments
197772	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.290	180.0	16:48:16.8	0.0	z	Gunn			
197773	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.290	180.0	19:22:13.2	0.0	z	Gunn			

197774	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.290	180.0	19:26:20.9	0.0	z	Gunn	
197775	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.290	180.0	19:27:19.2	0.0	z	Gunn	
197776	Bias	0:00:00.00	+00:00:00.0	J2000.00	4.290	180.0	19:28:17.4	0.0	z	Gunn	
197777	Focus run	0:55:00.00	+00:46:13.1	J2000.00	1.145	180.0	00:16:35.8	10.1	r	Sloan	
197778	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.025	180.0	00:37:31.4	359.6	r	Sloan	
197779	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.026	180.0	00:44:33.3	359.7	r	Sloan	focus
197780	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.027	180.0	00:51:57.5	359.7	g	Sloan	oscilatting
197782	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.041	180.0	01:24:05.6	359.3	r	Sloan	restarted
197783	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.046	180.0	01:31:34.2	359.7	r	Sloan	
197784	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.052	180.0	01:38:58.4	359.7	g	Sloan	
197785	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.059	180.0	01:46:02.0	359.7	g	Sloan	
197786	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.068	180.0	01:55:59.7	358.4	r	Sloan	
197787	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.077	180.0	02:03:32.7	359.8	r	Sloan	
197788	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.087	180.0	02:10:57.9	359.8	g	Sloan	
197789	M31-microfld2	0:43:09.99	+40:58:14.9	J2000.00	1.097	180.0	02:18:01.8	359.7	g	Sloan	
197790	wfssgc108 r	1:33:59.99	+00:00:00.0	J2000.00	1.191	180.0	02:30:44.6	599.0	r	Sloan	
197791	wfssgc108 r	1:34:00.00	+00:00:00.0	J2000.00	1.211	180.0	02:42:08.3	599.5	r	Sloan	
197792	wfssgc108 g	1:34:00.00	-00:00:00.0	J2000.00	1.234	180.0	02:53:16.7	599.4	g	Sloan	
197793	wfssgc108 g	1:33:59.99	+00:00:00.0	J2000.00	1.261	180.0	03:04:23.8	599.4	g	Sloan	
197794	wfssgc110 r	1:38:00.00	+00:00:00.0	J2000.00	1.284	180.0	03:16:49.8	598.9	r	Sloan	
197795	wfssgc110 r	1:37:59.98	-00:00:00.0	J2000.00	1.318	180.0	03:27:56.6	599.5	r	Sloan	
197796	wfssgc110 g	1:37:59.99	+00:00:00.2	J2000.00	1.358	180.0	03:39:05.2	599.4	g	Sloan	
197797	wfssgc110 g	1:37:59.99	-00:00:00.0	J2000.00	1.404	180.0	03:50:13.2	599.5	g	Sloan	
197798	wfsj0219-0500_015	2:15:47.40	-04:39:59.9	J2000.00	1.396	180.0	04:05:52.5	599.2	g	Sloan	
197799	wfsj0219-0500_015	2:15:47.39	-04:39:59.9	J2000.00	1.444	180.0	04:17:46.7	599.4	i	Sloan	
197800	wfsj0219-0500_024	2:17:55.80	-04:40:00.0	J2000.00	1.503	180.0	04:32:33.8	599.6	z	Gunn	
197801	wfsj0219-0500_033	2:20:04.19	-04:40:00.1	J2000.00	1.562	180.0	04:45:27.8	599.5	z	Gunn	
197802	wfsj0354+0010_035	3:55:00.00	+01:10:00.0	J2000.00	1.197	180.0	05:02:38.5	599.5	z	Gunn	
197803	wfsj0354+0010_041	3:56:59.99	+00:09:59.9	J2000.00	1.234	180.0	05:16:51.8	599.0	z	Gunn	
197804	wfsj0354+0010_042	3:57:00.00	+00:30:00.0	J2000.00	1.264	180.0	05:30:49.9	599.4	z	Gunn	
197805	wfsj0354+0010_043	3:57:00.00	+00:50:00.0	J2000.00	1.299	180.0	05:44:10.5	599.4	z	Gunn	
197806	wfsj0354+0010_044	3:56:59.99	+01:10:00.0	J2000.00	1.342	180.0	05:57:56.6	599.0	z	Gunn	
197807	sa98-670 g	6:52:12.00	-00:19:17.0	J2000.00	1.157	180.0	06:11:08.9	10.1	g	Sloan	
197808	sa98-670 r	6:52:12.00	-00:19:17.0	J2000.00	1.156	180.0	06:12:23.2	10.1	r	Sloan	
197809	sa98-670 i	6:52:12.00	-00:19:16.9	J2000.00	1.155	180.0	06:13:38.2	10.1	i	Sloan	
197810	sa98-670 Z	6:52:12.00	-00:19:16.9	J2000.00	1.155	180.0	06:14:52.5	10.1	z	Gunn	
197811	sa98-670 g	6:52:12.00	-00:19:16.9	J2000.00	1.153	180.0	06:16:27.4	10.1	g	Sloan	
197812	sa98-670 r	6:52:12.00	-00:19:17.0	J2000.00	1.153	180.0	06:17:41.4	10.1	r	Sloan	
197813	sa98-670 i	6:52:12.00	-00:19:16.8	J2000.00	1.152	180.0	06:18:55.6	9.6	i	Sloan	
197814	sa98-670 Z	6:52:12.00	-00:19:16.9	J2000.00	1.151	180.0	06:20:10.5	10.1	z	Gunn	
197815	skyflat i	8:01:00.00	+49:59:59.9	J2000.00	1.115	180.0	06:32:39.3	79.5	i	Sloan	
197816	skyflat i	8:00:58.96	+49:59:50.0	J2000.00	1.111	180.0	06:36:07.8	110.0	i	Sloan	
197817	skyflat i	8:01:01.03	+50:00:10.0	J2000.00	1.108	180.0	06:39:29.0	50.1	i	Sloan	
197818	skyflat r	8:01:00.01	+49:59:59.8	J2000.00	1.106	180.0	06:42:05.3	12.1	r	Sloan	
197819	skyflat r	8:00:58.94	+50:00:09.8	J2000.00	1.105	180.0	06:43:32.2	4.3	r	Sloan	
197820	skyflat r	8:01:01.03	+49:59:50.1	J2000.00	1.103	180.0	06:44:60.0	4.1	r	Sloan	
197821	skyflat g	8:00:59.97	+49:59:59.9	J2000.00	1.102	180.0	06:46:44.6	5.6	g	Sloan	saturated
197822	skyflat g	8:01:01.03	+49:59:50.0	J2000.00	1.101	180.0	06:48:08.0	2.1	g	Sloan	40K+ counts
197823	skyflat z	8:00:58.96	+50:00:10.2	J2000.00	1.099	180.0	06:50:11.6	4.1	z	Gunn	
197824	skyflat z	8:01:01.03	+49:59:50.1	J2000.00	1.098	180.0	06:51:39.9	3.1	z	Gunn	
197825	skyflat Z	8:01:00.02	+49:59:59.7	J2000.00	1.097	180.0	06:52:53.8	2.1	z	Gunn	
197826	Bias	8:01:00.00	+49:59:59.9	J2000.00	1.096	180.0	06:54:15.9	0.0	z	Gunn	
197827	Bias	8:01:00.00	+50:00:00.0	J2000.00	1.095	180.0	06:55:15.6	0.0	z	Gunn	