INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:              INT
DATE:                   1999 OCT05/06
INT TAPE NR:            INTD4198
OBSERVER:               S. T. Hodgkin
PROGRAMME:              includes WFS + M31
PATT/CAT:               I/99B/WFS09
TELESCOPE OPERATOR:     J. Rey
SUPPORT ASTRONOMER:     --

FOCUS:                  Prime
INSTRUMENT:             WFC
FILTER WHEEL (PF):      U, g', r', i', Z, KPB
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:                Good
OUTSIDE TEMP (deg C):   10.5            (FIRST HALF)
OUTSIDE TEMP (deg C):   11.0            (SECOND HALF)
HUMIDITY (%):           20              (FIRST HALF)
HUMIDITY (%):           25              (SECOND HALF)
CLOUD COVER (%):         0              (FIRST HALF)
CLOUD COVER (%):         0              (SECOND HALF)
DUST (0 - 2):            0              (FIRST HALF)
DUST (0 - 2):            0              (SECOND HALF)
SEEING (arcsec):         1.0            (FIRST HALF)
SEEING (arcsec):         1.0            (SECOND HALF)
AV. SEEING (arcsec):     --
NO. SEEING MEASURES:     0

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

DARK HOURS:             09:36
DOME OPEN (UTC):        18:45
MOON PHASE (D/G/B):      D
DK HRS LOST (WEATHER):00:00
DK HRS LOST (TELESC): 00:00
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:

Evening twilight flats lost due to observing system startup problems

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
 197360 Bias                0:00:00.00 +00:00:00.0 A        1.000 179.8 13:49:21.0      0.0        r      Sloan
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197361	lights off	0:00:00.00	+00:00:00.0	A	1.000	179.8	13:50:41.2	0.0	r Sloan
197362	lights on	0:00:00.00	+00:00:00.0	A	1.000	179.8	13:51:40.7	0.0	r Sloan
197363	lights on	0:00:00.00	+00:00:00.0	A	1.000	179.9	13:55:44.9	1200.0	r Sloan
197364	lights off	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:23:47.8	1200.0	r Sloan
197375	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	20:03:15.2	0.0	g Sloan
197376	Focus run	18:42:44.99	+00:10:04.0	J2000.00	1.207	180.0	20:16:34.3	10.1	g Sloan
197377	sa110-361 g	18:42:45.00	+00:08:04.0	J2000.00	1.215	180.0	20:19:31.8	9.7	g Sloan
197378	sa110-361 r	18:42:44.99	+00:08:04.0	J2000.00	1.217	180.0	20:20:45.7	9.6	r Sloan
197379	sa110-361 i	18:42:45.00	+00:08:04.0	J2000.00	1.220	180.0	20:21:60.0	10.1	i Sloan
197380	sa110-361 Z	18:42:45.00	+00:08:03.9	J2000.00	1.222	180.0	20:23:14.5	10.1	z Gunn
197381	wfsj1610+5430_028	16:11:46.80	+53:09:59.9	J2000.00	1.580	180.0	20:29:50.0	599.5	i Sloan
197382	wfssgc006 r	22:10:00.00	-00:00:00.0	J2000.00	1.232	180.0	20:51:09.8	599.3	r Sloan
197383	wfssgc006 i	22:10:00.00	+00:00:00.0	J2000.00	1.209	180.0	21:02:16.2	599.5	i Sloan
197384	wfssgc007 r	22:12:00.00	+00:00:00.1	J2000.00	1.192	180.0	21:14:08.1	599.5	r Sloan
197385	wfssgc007 i	22:12:00.00	+00:00:00.0	J2000.00	1.176	180.0	21:25:14.6	599.1	i Sloan
197387	Bias	22:14:00.00	-00:00:00.0	J2000.00	1.169	180.0	21:38:34.7	0.0	r Sloan
197388	wfssgc008 r	22:13:59.99	+00:00:00.0	J2000.00	1.157	180.0	21:45:36.4	599.5	r Sloan
197389	wfssgc008 i	22:14:00.00	+00:00:00.1	J2000.00	1.148	180.0	21:56:54.7	599.4	i Sloan
197390	wfssgc009 r	22:16:00.00	+00:00:00.2	J2000.00	1.143	180.0	22:09:24.7	599.5	r Sloan
197391	wfssgc009 i	22:16:00.00	-00:00:00.0	J2000.00	1.141	180.0	22:20:31.6	599.5	i Sloan
197392	wfssgc010 r	22:17:59.99	+00:00:00.1	J2000.00	1.141	180.0	22:32:25.6	599.4	r Sloan
197393	wfssgc010 i	22:17:59.99	+00:00:00.0	J2000.00	1.143	180.0	22:43:36.2	599.5	i Sloan
197394	wfssgc011 r	22:19:59.99	+00:00:00.0	J2000.00	1.148	180.0	22:56:00.5	599.6	r Sloan
197395	wfssgc011 i	22:20:00.00	-00:00:00.0	J2000.00	1.156	180.0	23:07:23.7	599.4	i Sloan
197396	wfssgc012 r	22:22:00.00	-00:00:00.1	J2000.00	1.165	180.0	23:18:59.6	599.0	r Sloan
197397	wfssgc012 i	22:22:00.00	-00:00:00.0	J2000.00	1.178	180.0	23:30:06.6	599.4	i Sloan
197398	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.059	180.0	23:45:16.8	359.8	r Sloan
197399	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.052	180.0	23:52:24.2	359.7	r Sloan
197400	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.046	180.0	23:59:50.2	359.8	g Sloan
197401	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.041	180.0	00:06:51.8	359.9	g Sloan
197402	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.033	180.0	00:16:42.1	359.7	r Sloan
197403	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.029	180.0	00:23:45.0	359.8	r Sloan
197404	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.027	180.0	00:31:10.9	359.7	g Sloan
197405	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.025	180.0	00:38:17.9	359.3	g Sloan
197406	sa92-335 g	0:55:00.00	+00:44:12.8	J2000.00	1.138	180.0	00:47:18.2	10.1	g Sloan
197407	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.137	180.0	00:48:31.4	10.1	r Sloan
197408	sa92-335 i	0:55:00.00	+00:44:13.0	J2000.00	1.137	180.0	00:49:45.5	10.1	i Sloan
197409	sa92-335 Z	0:55:00.00	+00:44:13.0	J2000.00	1.136	180.0	00:50:59.2	10.1	z Gunn
197410	wfssgc108 r	1:34:00.00	+00:00:00.0	J2000.00	1.161	180.0	01:00:20.5	599.3	g Sloan
197411	wfssgc108 r	1:34:00.00	+00:00:00.0	J2000.00	1.152	180.0	01:11:23.6	599.6	g Sloan
197412	wfssgc108 r	1:34:00.00	-00:00:00.0	J2000.00	1.145	180.0	01:23:08.9	599.5	r Sloan
197413	wfssgc108 r	1:33:59.99	+00:00:00.0	J2000.00	1.141	180.0	01:34:15.7	599.0	r Sloan
197414	wfssgc 110 g	1:37:59.99	-00:00:00.0	J2000.00	1.141	180.0	01:48:11.8	599.5	g Sloan
197415	wfssgc 110 g	1:37:59.99	-00:00:00.0	J2000.00	1.142	180.0	01:59:16.0	599.3	g Sloan
197416	wfssgc110 r	1:38:00.00	+00:00:00.0	J2000.00	1.147	180.0	02:11:02.5	599.5	r Sloan
197417	wfssgc110 r	1:38:00.00	+00:00:00.0	J2000.00	1.154	180.0	02:22:14.8	599.4	r Sloan
197418	wfssgc110 i	1:38:00.00	+00:00:00.0	J2000.00	1.164	180.0	02:33:33.2	599.5	i Sloan
197419	wfssgc115 g	1:48:00.00	-00:00:00.0	J2000.00	1.168	180.0	02:46:58.8	599.5	g Sloan
197420	wfssgc115 g	1:48:00.00	+00:00:00.0	J2000.00	1.182	180.0	02:58:01.6	599.5	g Sloan
197421	wfssgc115 r	1:47:59.99	-00:00:00.0	J2000.00	1.200	180.0	03:09:42.5	599.6	r Sloan
197422	wfssgc115 r	1:48:00.00	+00:00:00.0	J2000.00	1.221	180.0	03:20:45.7	598.3	r Sloan
197423	wfssgc119 r	1:56:00.00	+00:00:00.0	J2000.00	1.236	180.0	03:36:03.7	599.4	r Sloan
197424	wfssgc119 i	1:56:00.00	-00:00:00.0	J2000.00	1.264	180.0	03:47:10.9	599.5	i Sloan
197425	wfssgc119 z	1:56:00.00	-00:00:00.0	J2000.00	1.298	180.0	03:59:18.1	599.5	z Gunn
197426	wfssgc120 r	1:58:00.00	+00:00:00.1	J2000.00	1.335	180.0	04:12:22.2	599.4	r Sloan
197427	wfssgc120 i	1:58:00.00	-00:00:00.0	J2000.00	1.377	180.0	04:23:29.5	599.4	i Sloan
197428	wfssgc120 z	1:58:00.00	+00:00:00.0	J2000.00	1.435	180.0	04:36:36.0	599.5	z Gunn
197429	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.156	180.0	04:52:41.2	598.9	r Sloan
197430	wfsj0354+0010_032	3:55:00.00	+00:10:00.0	J2000.00	1.181	180.0	05:05:17.6	598.8	r Sloan
197431	wfsj0354+0010_033	3:54:59.99	+00:30:00.1	J2000.00	1.196	180.0	05:17:16.5	599.0	r Sloan
197432	wfsj0354+0010_034	3:55:00.00	+00:49:59.6	J2000.00	1.215	180.0	05:29:29.8	599.5	r Sloan
197433	wfsj0354+0010_035	3:55:00.00	+01:09:59.8	J2000.00	1.237	180.0	05:41:24.6	599.0	r Sloan

197434	wfsj0347+2400-iz01	3:49:18.07	+24:49:13.0	J2000.00	1.107	180.0	05:55:47.5	30.1	i Sloan
197435	wfsj0347+2400-iz01	3:49:18.07	+24:49:12.9	J2000.00	1.111	180.0	05:57:24.7	59.6	z Gunn
197436	wfsj0347+2400-iz02	3:51:36.99	+24:19:38.0	J2000.00	1.116	180.0	06:01:24.2	30.1	i Sloan
197437	wfsj0347+2400-iz02	3:51:36.98	+24:19:37.8	J2000.00	1.120	180.0	06:03:07.4	60.1	z Gunn
197438	wfsj0347+2400-iz03	3:52:00.00	+24:41:00.0	J2000.00	1.124	180.0	06:06:02.5	30.1	i Sloan
197439	wfsj0347+2400-iz03	3:52:00.00	+24:40:59.9	J2000.00	1.128	180.0	06:07:38.6	60.1	z Gunn
197440	sa95-330 g	3:54:31.00	+00:29:04.9	J2000.00	1.349	180.0	06:19:24.6	10.1	g Sloan
197441	sa95-330 r	3:54:30.99	+00:29:04.9	J2000.00	1.354	180.0	06:20:38.1	9.7	r Sloan
197442	sa95-330 i	3:54:31.00	+00:29:04.9	J2000.00	1.359	180.0	06:21:51.2	10.1	i Sloan
197443	sa95-330 Z	3:54:31.00	+00:29:05.0	J2000.00	1.363	180.0	06:23:04.5	10.1	z Gunn
197444	sa98-670 g	6:52:12.00	-00:19:17.0	J2000.00	1.163	180.0	06:24:27.6	10.1	g Sloan
197445	sa98-670 r	6:52:12.00	-00:19:16.9	J2000.00	1.162	180.0	06:25:41.5	10.1	r Sloan
197446	sa98-670 i	6:52:12.00	-00:19:16.9	J2000.00	1.160	180.0	06:26:60.0	10.1	i Sloan
197447	sa98-670 Z	6:52:11.99	-00:19:16.9	J2000.00	1.159	180.0	06:28:14.2	10.1	z Gunn
197448	sky i	8:00:59.99	+50:00:00.0	J2000.00	1.140	180.0	06:31:58.7	40.1	i Sloan
197450	sky i	8:00:58.96	+50:00:10.0	J2000.00	1.136	180.0	06:34:37.3	30.1	i Sloan
197451	sky r	8:01:00.00	+50:00:00.0	J2000.00	1.134	180.0	06:36:42.0	15.1	r Sloan
197452	sky r	8:00:58.95	+49:59:49.9	J2000.00	1.132	180.0	06:38:03.9	10.1	r Sloan
197453	sky r	8:00:59.99	+50:00:00.0	J2000.00	1.130	180.0	06:39:57.7	5.1	g Sloan
197454	sky g	8:00:58.96	+49:59:49.9	J2000.00	1.128	180.0	06:41:10.2	3.1	g Sloan
197455	sky z	8:01:00.00	+50:00:00.0	J2000.00	1.126	180.0	06:42:51.8	15.1	z Gunn
197456	sky z	8:00:58.96	+49:59:49.9	J2000.00	1.124	180.0	06:44:13.1	11.1	z Gunn
197457	sky z	8:01:01.03	+50:00:09.9	J2000.00	1.123	180.0	06:45:32.1	8.1	z Gunn
197458	Bias	8:01:01.03	+50:00:09.9	J2000.00	1.122	180.0	06:46:47.4	0.0	z Gunn
197459	Bias	8:01:01.03	+50:00:09.9	J2000.00	1.120	180.0	06:48:05.6	0.0	z Gunn
197460	Bias	8:01:01.03	+50:00:10.0	J2000.00	1.119	180.0	06:49:08.1	0.0	z Gunn
197461	Bias	8:01:01.03	+50:00:10.0	J2000.00	1.118	180.0	06:50:09.6	0.0	z Gunn