INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:              INT
DATE:                   1999 OCT 04/05
INT TAPE NR:            INTD4197
OBSERVER:               N. A. Walton + 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):     15              (FIRST HALF)
OUTSIDE TEMP (deg C):     13              (SECOND HALF)
HUMIDITY (%):             20              (FIRST HALF)
HUMIDITY (%):             20              (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:             09:35
DOME OPEN (UTC):        19:00
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:

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
 197261 Bias frame           0:00:00.00 +00:00:00.0 A        1.000 180.0 13:13:02.3      0.0        r      Sloan
 197262 Bias                 0:00:00.00 +00:00:00.0 A        1.000 180.0 14:20:48.1      0.0        g      Sloan
 197263 Bias                 0:00:00.00 +00:00:00.0 A        1.000 180.0 14:21:35.5      0.0        g      Sloan
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197264	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	14:22:23.9	0.0	g	Sloan
197265	Flat field	19:19:09.00	+12:22:05.0	B1950.00	1.046	180.0	19:18:09.4	3.4	g	Sloan
197266	sky g	19:19:08.31	+12:21:54.9	B1950.00	1.046	180.0	19:19:29.9	4.6	g	Sloan
197267	sky g	19:19:08.31	+12:22:15.0	B1950.00	1.045	180.0	19:20:38.3	6.1	g	Sloan
197268	sky g	19:19:09.67	+12:22:15.0	B1950.00	1.045	180.0	19:21:52.9	7.6	g	Sloan
197269	sky g	19:19:09.68	+12:21:55.1	B1950.00	1.045	180.0	19:23:08.9	10.1	g	Sloan
197270	sky r	19:19:09.00	+12:22:04.9	B1950.00	1.044	180.0	19:24:52.0	32.1	r	Sloan
197271	sky r	19:19:08.31	+12:21:55.0	B1950.00	1.043	180.0	19:26:42.9	40.1	r	Sloan
197272	sky r	19:19:08.31	+12:22:15.0	B1950.00	1.043	180.0	19:28:39.2	60.1	r	Sloan
197273	sky r	19:19:09.68	+12:22:15.0	B1950.00	1.042	180.0	19:30:45.0	120.0	r	Sloan
197274	Focus run	18:42:45.00	+00:10:04.0	J2000.00	1.156	180.0	19:42:26.8	9.6	r	Sloan
197275	Bias	18:42:45.00	+00:08:04.0	J2000.00	1.168	180.0	19:53:05.3	0.0	r	Sloan
197276	sa110-361 g	18:42:45.00	+00:08:03.9	J2000.00	1.170	180.0	19:54:44.1	10.1	g	Sloan
197277	sa110-361 r	18:42:45.00	+00:08:03.9	J2000.00	1.171	180.0	19:55:56.8	10.1	r	Sloan
197278	sa110-361 i	18:42:45.00	+00:08:03.9	J2000.00	1.173	180.0	19:57:09.5	10.1	i	Sloan
197279	sa110-361 Z	18:42:45.00	+00:08:04.0	J2000.00	1.174	180.0	19:58:23.4	10.1	z	Gunn
197280	sa113-163 g	21:42:35.00	+00:16:45.9	J2000.00	1.307	180.0	20:03:11.3	10.1	g	Sloan
197281	sa113-163 r	21:42:35.00	+00:16:45.9	J2000.00	1.304	180.0	20:04:24.3	10.1	r	Sloan
197282	sa113-163 i	21:42:35.00	+00:16:46.0	J2000.00	1.300	180.0	20:05:36.8	10.1	i	Sloan
197283	sa113-163 Z	21:42:35.00	+00:16:45.9	J2000.00	1.296	180.0	20:06:53.1	9.7	z	Gunn
197284	wfsj1610+5430_019	16:08:13.20	+53:09:59.9	J2000.00	1.496	180.0	20:12:14.2	599.1	z	Gunn
197286	wfsj1610+5430_028	16:11:46.80	+53:09:59.9	J2000.00	1.547	180.0	20:26:58.5	599.4	r	Sloan
197287	wfsj1610+5430_028	16:11:46.77	+53:10:00.0	J2000.00	1.602	180.0	20:38:05.4	599.4	g	Sloan
197288	wfsj1610+5430_028	16:11:46.80	+53:10:00.0	J2000.00	1.664	180.0	20:49:18.9	598.0	z	Gunn
197291	wfssgc031 r	23:00:00.00	+00:00:00.0	J2000.00	1.284	180.0	21:24:19.3	599.4	r	Sloan
197292	wfssgc031 i	23:00:00.00	+00:00:00.0	J2000.00	1.254	180.0	21:35:25.2	599.5	i	Sloan
197293	wfssgc032 r	23:02:00.00	+00:00:00.2	J2000.00	1.231	180.0	21:47:23.9	599.4	r	Sloan
197294	wfssgc032 i	23:01:59.99	+00:00:00.0	J2000.00	1.209	180.0	21:58:30.4	599.4	i	Sloan
197295	wfssgc033 r	23:03:59.99	+00:00:00.0	J2000.00	1.192	180.0	22:10:29.3	599.4	r	Sloan
197296	wfssgc033 i	23:04:00.00	+00:00:00.0	J2000.00	1.176	180.0	22:21:37.2	599.4	i	Sloan
197297	wfssgc034 r	23:06:00.00	+00:00:00.2	J2000.00	1.164	180.0	22:33:31.4	599.5	r	Sloan
197298	wfssgc034 i	23:06:00.00	-00:00:00.0	J2000.00	1.154	180.0	22:44:37.4	599.0	i	Sloan
197299	wfssgc030 r	22:58:00.00	+00:00:00.2	J2000.00	1.143	180.0	22:56:32.0	599.0	r	Sloan
197300	wfssgc030 i	22:58:00.00	+00:00:00.0	J2000.00	1.141	180.0	23:07:38.4	599.5	i	Sloan
197301	wfssgc029 r	22:56:00.00	-00:00:00.0	J2000.00	1.142	180.0	23:19:47.4	599.5	r	Sloan
197302	wfssgc029 i	22:56:00.00	+00:00:00.0	J2000.00	1.145	180.0	23:30:57.1	599.5	i	Sloan
197303	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.062	180.0	23:46:15.9	359.8	r	Sloan
197304	M31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.055	180.0	23:53:16.8	359.8	r	Sloan
197305	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.049	180.0	00:00:42.9	359.7	g	Sloan
197306	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.043	180.0	00:07:43.8	359.6	g	Sloan
197307	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.034	180.0	00:17:53.7	359.6	r	Sloan
197308	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.031	180.0	00:24:57.6	359.7	r	Sloan
197309	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.028	180.0	00:32:24.2	359.6	g	Sloan
197310	M31-microfld2	0:43:10.00	+40:58:15.0	J2000.00	1.026	180.0	00:39:29.8	359.8	g	Sloan
197312	sa92-335 g	0:55:00.00	+00:44:12.9	J2000.00	1.139	180.0	00:49:25.4	10.1	g	Sloan
197313	sa92-335 r	0:54:59.99	+00:44:12.9	J2000.00	1.138	180.0	00:50:38.7	10.1	r	Sloan
197314	sa92-335 i	0:55:00.00	+00:44:12.9	J2000.00	1.137	180.0	00:51:51.7	10.1	i	Sloan
197315	sa92-335 Z	0:55:00.00	+00:44:12.9	J2000.00	1.137	180.0	00:53:04.7	10.1	z	Gunn
197316	wfssgc095 r	1:07:59.99	+00:00:00.2	J2000.00	1.147	180.0	00:56:53.6	599.5	r	Sloan
197317	wfssgc095 g	1:08:00.00	-00:00:00.0	J2000.00	1.142	180.0	01:07:59.0	599.4	g	Sloan
197318	wfssgc095 Z	1:08:00.00	-00:00:00.0	J2000.00	1.141	180.0	01:19:02.5	599.1	z	Gunn
197319	wfssgc095 i	1:08:00.00	-00:00:00.0	J2000.00	1.141	180.0	01:30:07.0	598.9	i	Sloan
197320	wfssgc095 r	1:07:59.98	+00:00:00.0	J2000.00	1.148	180.0	01:41:53.6	1198.7	r	Sloan
197321	wfssgc095 g	1:08:00.00	-00:00:00.0	J2000.00	1.165	180.0	02:02:56.4	1198.9	g	Sloan
197322	wfssgc096 r	1:10:00.00	+00:00:00.2	J2000.00	1.185	180.0	02:26:03.5	598.8	r	Sloan
197323	wfssgc096 i	1:10:00.00	-00:00:00.0	J2000.00	1.203	180.0	02:37:10.1	598.5	i	Sloan
197324	gigondas g	1:08:59.00	+00:00:24.8	J2000.00	1.240	180.0	02:49:30.8	1198.7	g	Sloan
197325	wfssgc118 r	1:53:59.99	+00:00:00.3	J2000.00	1.189	180.0	03:12:42.9	599.5	r	Sloan
197326	wfssgc118 i	1:54:00.00	+00:00:00.0	J2000.00	1.208	180.0	03:23:49.5	599.5	i	Sloan
197327	wfssgc096 Z	1:09:59.99	+00:00:00.0	J2000.00	1.368	180.0	03:37:17.9	599.5	z	Gunn
197328	wfssgc108 r	1:33:59.99	+00:00:00.0	J2000.00	1.327	180.0	03:50:13.0	599.5	r	Sloan
197329	wfssgc108 i	1:33:59.99	+00:00:00.0	J2000.00	1.369	180.0	04:01:19.6	599.5	i	Sloan

197330	wfssgc109 r	1:35:59.99	-00:00:00.0	J2000.00	1.413	180.0	04:13:44.1	599.4	r	Sloan	
197331	Bias	1:36:00.00	+00:00:00.0	J2000.00	1.450	180.0	04:26:46.3	0.0	i	Sloan	
197332	wfssgc109 i	1:35:59.99	+00:00:00.0	J2000.00	1.485	180.0	04:28:17.6	599.5	i	Sloan	
197333	wfssgc131 r	2:19:59.99	+00:00:00.1	J2000.00	1.346	180.0	04:41:19.4	599.5	r	Sloan	
197334	wfssgc131 i	2:20:00.00	-00:00:00.0	J2000.00	1.390	180.0	04:52:26.2	599.5	i	Sloan	
197335	wfssgc133 r	2:23:59.99	+00:00:00.0	J2000.00	1.425	180.0	05:04:14.1	599.0	r	Sloan	
197336	wfssgc133 i	2:24:00.01	-00:00:00.0	J2000.00	1.480	180.0	05:15:21.1	599.4	i	Sloan	trailed
197337	wfsj0354+0010_023	3:53:00.00	+00:10:00.2	J2000.00	1.215	180.0	05:27:32.4	599.4	r	Sloan	
197338	wfsj0354+0010_024	3:53:00.00	+00:30:00.2	J2000.00	1.237	180.0	05:39:32.5	599.5	r	Sloan	
197339	wfsj0354+0010_025	3:53:00.00	+00:49:59.7	J2000.00	1.265	180.0	05:52:20.0	599.5	r	Sloan	
197340	sa95-330 g	3:54:31.00	+00:29:04.9	J2000.00	1.284	180.0	06:03:50.6	10.1	g	Sloan	
197341	sa95-330 r	3:54:31.00	+00:29:05.0	J2000.00	1.288	180.0	06:05:04.1	10.1	r	Sloan	
197342	sa95-330 i	3:54:31.00	+00:29:04.9	J2000.00	1.291	180.0	06:06:17.7	10.1	i	Sloan	
197343	sa95-330 Z	3:54:30.99	+00:29:05.0	J2000.00	1.295	180.0	06:07:31.4	10.1	z	Gunn	
197344	sa98-670 g	6:52:11.99	-00:19:17.1	J2000.00	1.174	180.0	06:17:54.6	9.7	g	Sloan	
197345	sa98-670 r	6:52:12.00	-00:19:17.0	J2000.00	1.172	180.0	06:19:10.8	10.1	r	Sloan	
197346	sa98-670 i	6:52:12.00	-00:19:16.9	J2000.00	1.171	180.0	06:20:27.0	10.1	i	Sloan	
197347	sa98-670 Z	6:52:11.99	-00:19:17.0	J2000.00	1.169	180.0	06:21:40.1	10.1	z	Gunn	
197348	sky i	4:25:46.00	+54:09:02.9	B1950.00	1.175	180.0	06:30:51.6	100.0	i	Sloan	
197349	sky i	4:25:46.00	+54:09:03.0	B1950.00	1.180	180.0	06:34:25.9	40.1	i	Sloan	
197350	sky i	4:25:46.00	+54:09:02.9	B1950.00	1.182	180.0	06:36:09.5	29.6	i	Sloan	
197351	sky z	4:25:46.00	+54:09:03.0	B1950.00	1.185	180.0	06:38:05.9	60.1	z	Gunn	
197352	sky z	4:25:44.86	+54:08:53.0	B1950.00	1.188	180.0	06:40:19.1	45.1	z	Gunn	
197353	sky z	4:25:44.86	+54:09:13.1	B1950.00	1.191	180.0	06:42:08.5	28.1	z	Gunn	
197354	sky z	4:25:47.13	+54:09:12.9	B1950.00	1.194	180.0	06:44:00.2	10.1	z	Gunn	
197355	sky z	4:25:47.13	+54:08:52.9	B1950.00	1.196	180.0	06:45:34.6	5.1	z	Gunn	
197356	Bias	4:25:47.13	+54:08:53.0	B1950.00	1.198	180.0	06:46:39.4	0.0	z	Gunn	
197357	Bias	4:25:47.13	+54:08:53.0	B1950.00	1.199	180.0	06:47:37.9	0.0	z	Gunn	
197358	Bias	4:25:47.13	+54:08:52.9	B1950.00	1.201	180.0	06:48:36.4	0.0	z	Gunn	