INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:              INT
DATE:                   1999 OCT09/10
INT TAPE NR:            INTD4202
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):     4                 (FIRST HALF)
OUTSIDE TEMP (deg C):     4                 (SECOND HALF)
HUMIDITY (%):            90-75              (FIRST HALF)
HUMIDITY (%):            75-80              (SECOND HALF)
CLOUD COVER (%):                            (FIRST HALF)
CLOUD COVER (%):         some               (SECOND HALF)
DUST (0 - 2):                               (FIRST HALF)
DUST (0 - 2):                               (SECOND HALF)
SEEING (arcsec):          2-1.5             (FIRST HALF)
SEEING (arcsec):          1-1.5             (SECOND HALF)
AV. SEEING (arcsec):      1.5
NO. SEEING MEASURES:       0

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

DARK HOURS:             09:40
DOME OPEN (UTC):        19:45
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:

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
197681	Bias	0:00:00.00	+00:00:00.0	J2000.00	1.000	180.0	18:51:07.6	0.0	I	INT-WFC			
197682	Focus run	18:42:45.00	+00:10:04.0	J2000.00	1.204	180.0	19:59:05.7	9.6	I	INT-WFC			
197683	sa110-361 g	18:42:45.00	+00:08:03.9	J2000.00	1.214	180.0	20:03:22.3	10.1	g	Sloan			

197684	sa110-361 r	18:42:45.00	+00:08:04.0	J2000.00	1.216	180.0	20:04:34.7	10.1	r	Sloan
197685	sa110-361 i	18:42:45.00	+00:08:03.9	J2000.00	1.219	180.0	20:05:46.6	9.6	i	Sloan
197686	sa110-361 Z	18:42:45.00	+00:08:04.0	J2000.00	1.221	180.0	20:07:02.9	10.1	z	Gunn
197687	sa110-361 I	18:42:44.99	+00:08:04.0	J2000.00	1.225	180.0	20:08:56.4	10.1	I	INT-WFC
197688	sa110-361 U	18:42:45.00	+00:08:03.9	J2000.00	1.238	180.0	20:14:28.2	10.1	U	RGO
197689	sa110-361 r	18:42:45.00	+00:08:03.9	J2000.00	1.241	180.0	20:15:46.7	10.1	r	Sloan
197690	sa110-361 r	18:42:45.00	+00:08:03.9	J2000.00	1.266	180.0	20:25:58.8	10.1	r	Sloan
197691	Focus run	18:42:45.00	+00:09:34.0	J2000.00	1.278	180.0	20:30:57.0	9.6	r	Sloan
197692	wfssgc027 r	22:52:00.00	+00:00:00.1	J2000.00	1.335	180.0	20:40:55.5	598.9	r	Sloan
197693	wfssgc027 i	22:52:00.00	+00:00:00.0	J2000.00	1.298	180.0	20:52:05.5	599.6	i	Sloan
197694	wfssgc028 r	22:53:59.99	-00:00:00.0	J2000.00	1.268	180.0	21:04:29.8	599.3	r	Sloan
197695	wfssgc028 i	22:54:00.00	+00:00:00.0	J2000.00	1.216	180.0	21:26:58.9	599.4	i	Sloan
197696	wfssgc050 r	23:38:00.00	+00:00:00.0	J2000.00	1.290	180.0	21:40:36.7	599.6	r	Sloan
197697	wfssgc050 i	23:38:00.00	-00:00:00.0	J2000.00	1.256	180.0	21:52:55.7	599.3	i	Sloan
197698	wfssgc050 Z	23:38:00.00	-00:00:00.0	J2000.00	1.228	180.0	22:04:56.6	599.4	z	Gunn
197699	sa113-163 g	21:42:35.00	+00:16:45.9	J2000.00	1.153	180.0	22:19:40.6	10.1	g	Sloan
197700	sa113-163 r	21:42:35.00	+00:16:46.0	J2000.00	1.154	180.0	22:20:54.3	10.1	r	Sloan
197701	sa113-163 i	21:42:35.00	+00:16:46.0	J2000.00	1.155	180.0	22:22:07.7	9.6	i	Sloan
197702	sa113-163 Z	21:42:35.00	+00:16:46.0	J2000.00	1.156	180.0	22:23:28.4	10.1	z	Gunn
197703	sa113-163 I	21:42:35.00	+00:16:46.0	J2000.00	1.158	180.0	22:24:48.4	10.1	I	INT-WFC
197704	sa113-163 U	21:42:35.00	+00:16:45.9	J2000.00	1.159	180.0	22:26:19.9	10.0	U	RGO
197705	wfsj2240+0000_003	22:34:40.00	-00:39:59.9	J2000.00	1.149	180.0	22:39:00.6	599.1	r	Sloan
197706	wfsj2240+0000_004	22:34:40.00	-00:19:59.9	J2000.00	1.150	180.0	22:51:29.2	598.9	r	Sloan
197707	wfsj2240+0000_005	22:34:40.00	-00:00:00.0	J2000.00	1.154	180.0	23:03:45.0	599.6	r	Sloan
197708	wfsj2240+0000_006	22:34:39.99	+00:20:00.0	J2000.00	1.161	180.0	23:15:51.0	599.4	r	Sloan
197709	wfsj2240+0000_007	22:34:40.00	+00:40:00.0	J2000.00	1.173	180.0	23:28:22.6	599.4	r	Sloan
197710	wfsj2240+0000_008	22:34:39.99	+01:00:00.0	J2000.00	1.187	180.0	23:40:19.6	599.4	r	Sloan
197711	wfsj2240+0000_009	22:34:39.90	+01:19:59.9	J2000.00	1.205	180.0	23:52:24.5	599.5	r	Sloan
197712	M31-microfld1	0:43:59.99	+41:33:59.9	J2000.00	1.033	180.0	00:07:09.3	359.8	r	Sloan
197713	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.030	180.0	00:14:13.6	359.7	r	Sloan
197714	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.028	180.0	00:21:41.3	359.7	g	Sloan
197715	M31-microfld1	0:43:59.99	+41:34:00.0	J2000.00	1.026	180.0	00:28:46.1	359.8	g	Sloan
197716	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.023	180.0	00:38:58.6	359.8	r	Sloan
197717	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.023	180.0	00:46:01.8	359.7	r	Sloan
197718	M31-microfld2	0:43:10.00	+40:58:14.9	J2000.00	1.025	180.0	00:53:27.9	359.3	g	Sloan
197719	M31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.026	180.0	01:01:11.0	359.7	g	Sloan
197720	wfssgc095 r	1:07:59.98	-00:00:00.0	J2000.00	1.143	180.0	01:15:34.6	599.4	r	Sloan
197721	wfssgc095 r	1:07:59.99	+00:00:00.0	J2000.00	1.147	180.0	01:26:50.0	599.4	r	Sloan
197722	wfssgc095 g	1:08:00.00	+00:00:00.0	J2000.00	1.155	180.0	01:38:05.8	599.3	g	Sloan
197723	wfssgc095 g	1:08:00.00	-00:00:00.1	J2000.00	1.166	180.0	01:49:33.9	599.3	g	Sloan
197724	wfssgc096 r	1:10:00.00	+00:00:00.0	J2000.00	1.179	180.0	02:02:36.4	599.4	r	Sloan
197725	wfssgc096 r	1:09:59.99	+00:00:00.0	J2000.00	1.196	180.0	02:13:44.5	599.4	r	Sloan
197726	wfssgc096 g	1:10:00.00	-00:00:00.0	J2000.00	1.219	180.0	02:26:25.0	599.4	g	Sloan
197727	wfssgc096 g	1:09:59.99	+00:00:00.0	J2000.00	1.244	180.0	02:37:43.3	599.5	g	Sloan
197728	sa95-330 g	3:54:31.00	+00:29:04.9	J2000.00	1.172	180.0	02:55:22.2	10.0	g	Sloan
197729	sa95-330 r	3:54:31.00	+00:29:04.9	J2000.00	1.170	180.0	02:56:40.4	10.1	r	Sloan
197730	sa95-330 i	3:54:31.00	+00:29:05.0	J2000.00	1.168	180.0	02:57:54.4	10.1	i	Sloan
197731	sa95-330 Z	3:54:31.00	+00:29:05.0	J2000.00	1.167	180.0	02:59:20.7	10.1	z	Gunn
197732	sa95-330 U	3:54:31.00	+00:29:04.9	J2000.00	1.164	180.0	03:01:24.5	20.1	U	RGO
197733	wfsj0219-0500_023	2:17:55.80	-05:00:00.0	J2000.00	1.239	180.0	03:05:40.5	599.4	g	Sloan
197734	wfsj0219-0500_023	2:17:55.79	-04:59:59.9	J2000.00	1.272	180.0	03:25:35.2	599.0	r	Sloan
197735	wfsj0219-0500_023	2:17:55.80	-05:00:00.0	J2000.00	1.298	180.0	03:37:29.3	599.4	i	Sloan
197736	wfsj0219-0500_013	2:15:47.20	-05:19:59.8	J2000.00	1.380	180.0	04:01:52.0	598.1	g	Sloan
197737	wfsj0219-0500_013	2:15:47.19	-05:20:00.0	J2000.00	1.425	180.0	04:14:04.6	599.4	i	Sloan
197738	wfsj0219-0500_014	2:15:47.30	-05:00:00.0	J2000.00	1.473	180.0	04:26:41.9	599.2	i	Sloan
197739	wfsj0219-0500_014	2:15:47.30	-05:00:00.0	J2000.00	1.530	180.0	04:38:04.9	599.5	g	Sloan
197740	wfsj0354+0010_015	3:50:59.99	+00:29:59.9	J2000.00	1.190	180.0	04:54:11.3	599.5	z	Gunn
197741	wfsj0354+0010_016	3:50:59.99	+00:49:59.9	J2000.00	1.211	180.0	05:07:56.3	599.3	z	Gunn
197742	wfsj0354+0010_017	3:51:00.00	+01:09:59.9	J2000.00	1.235	180.0	05:20:49.7	599.0	z	Gunn
197743	wfsj0354+0010_025	3:52:59.99	+00:50:00.0	J2000.00	1.267	180.0	05:33:30.4	599.4	z	Gunn
197744	wfsj0354+0010_026	3:52:59.99	+01:10:00.0	J2000.00	1.302	180.0	05:46:33.5	599.5	z	Gunn
197745	wfsj0354+0010_034	3:54:59.99	+00:50:00.1	J2000.00	1.346	180.0	05:59:35.8	599.4	z	Gunn

197746	sa98-670 g	6:52:11.99	-00:19:17.0	J2000.00	1.159	180.0	06:12:23.6	9.6	g	Sloan	
197747	sa98-670 r	6:52:12.00	-00:19:17.0	J2000.00	1.158	180.0	06:13:39.9	10.1	r	Sloan	
197748	sa98-670 i	6:52:12.00	-00:19:17.0	J2000.00	1.157	180.0	06:14:54.0	10.1	i	Sloan	
197749	sa98-670 Z	6:52:11.99	-00:19:17.0	J2000.00	1.156	180.0	06:16:17.6	9.7	z	Gunn	
197750	sa98-670 g	6:52:12.00	-00:19:17.0	J2000.00	1.155	180.0	06:18:06.4	4.1	g	Sloan	
197751	sa98-670 r	6:52:12.00	-00:19:17.0	J2000.00	1.154	180.0	06:19:16.5	3.6	r	Sloan	
197752	sa98-670 i	6:52:11.99	-00:19:17.0	J2000.00	1.154	180.0	06:20:24.8	4.1	i	Sloan	
197753	sa98-670 Z	6:52:12.00	-00:19:16.9	J2000.00	1.153	180.0	06:21:34.3	4.1	z	Gunn	
197754	skyflat i	8:01:00.00	+50:00:00.0	J2000.00	1.116	180.0	06:35:27.3	100.0	i	Sloan	
197755	skyflat i	8:00:58.96	+49:59:49.9	J2000.00	1.113	180.0	06:38:14.0	35.1	i	Sloan	
197756	skyflat i	8:01:01.03	+50:00:10.0	J2000.00	1.112	180.0	06:40:09.8	20.1	i	Sloan	
197757	skyflat r	8:01:00.00	+50:00:00.0	J2000.00	1.110	180.0	06:41:57.5	16.6	r	Sloan	
197758	skyflat r	8:00:58.96	+49:59:49.8	J2000.00	1.108	180.0	06:43:19.6	11.6	r	Sloan	
197759	skyflat r	8:01:01.05	+50:00:10.0	J2000.00	1.107	180.0	06:44:37.6	7.0	r	Sloan	
197760	skyflay g	8:01:00.00	+49:59:59.9	J2000.00	1.106	180.0	06:46:15.8	3.1	g	Sloan	40K counts
197761	skyflat g	8:00:58.96	+49:59:49.9	J2000.00	1.105	180.0	06:47:24.6	1.6	g	Sloan	
197762	skyflay Z	8:01:00.00	+50:00:00.0	J2000.00	1.103	180.0	06:48:59.2	10.1	z	Gunn	
197763	skyflat Z	8:00:58.96	+49:59:49.9	J2000.00	1.102	180.0	06:50:24.2	6.1	z	Gunn	
197764	skyflat Z	8:01:01.03	+50:00:10.0	J2000.00	1.101	180.0	06:51:40.8	4.1	z	Gunn	
197765	Bias	8:01:01.03	+50:00:10.0	J2000.00	1.100	180.0	06:52:47.0	0.0	z	Gunn	
197766	Bias	8:01:01.03	+50:00:09.9	J2000.00	1.099	180.0	06:53:46.2	0.0	z	Gunn	
197767	Bias	8:01:01.03	+50:00:10.0	J2000.00	1.098	180.0	06:54:44.6	0.0	z	Gunn	
197768	Bias	8:01:01.03	+50:00:10.0	J2000.00	1.098	180.0	06:55:43.7	0.0	z	Gunn	
197769	Bias	8:01:01.03	+50:00:09.9	J2000.00	1.097	180.0	06:56:47.3	0.0	z	Gunn	