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INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE:            INT
DATE:                 1999 Sep 01/ SEP 02
INT TAPE NR:          INTD 4168
OBSERVER:             M. Irwin
PROGRAMME:            WFS + M31
PATT/CAT:             WFS09
TELESCOPE OPERATOR:   M. Irwin
SUPPORT ASTRONOMER:   N. Walton

FOCUS:                Prime
INSTRUMENT:           WFC
FILTER WHEEL (PF):    KP,g,r,i,z,U
CAMERA (IDS):         -
COLLIMATOR (IDS):     -
COLL. FOCUS (IDS):    -
GRATING (IDS):        -
DETECTOR:             EEV
PIXELS:               2048x4200
PIXEL SIZE (microns): 13.5
WINDOW:               Xstart=0, Xsize=2048, Ystart=0, Ysize=4200
BINNING:              in X=1, in Y=1

WEATHER:              Good - Photometric
OUTSIDE TEMP (deg C):   14              (FIRST HALF)
OUTSIDE TEMP (deg C):   14              (SECOND HALF)
HUMIDITY (%):           30              (FIRST HALF)
HUMIDITY (%):           30              (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):        1.4              (FIRST HALF)
SEEING (arcsec):        1.1             (SECOND HALF)
AV. SEEING (arcsec):    1.2
NO. SEEING MEASURES:     10

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

DARK HOURS:           08:34
DOME OPEN (UTC):      19:30
MOON PHASE (D/G/B):       B
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.): 03:40
DK HRS LOST (A&G):    00:00
DK HRS LOST (OTHER):  00:00

COMMENTS:

Solaris network meltdown, TCS X terminal memory leak and Alpha reboot caused lost time

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Run no. Object name              RA         Dec.     Equinox    AM    PA     UT       Exp. T.   Filter      Psys Channel  Binning Comments

 193974 Flat field           0:00:00.00 +00:00:00.0 A        1.501 179.7 16:13:52.4     10.1        r      Sloan
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193975	Flat field	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:14:51.9	10.1	r	Sloan
193976	Bias frame	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:16:21.6	0.0	r	Sloan
193977	Bias frame	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:17:08.8	0.0	r	Sloan
193978	Bias frame	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:22:49.0	0.0	r	Sloan
193979	Bias frame	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:23:36.3	0.0	r	Sloan
193980	Flat field	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:25:06.1	10.1	r	Sloan
193981	Flat field	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:26:05.8	10.1	r	Sloan
193982	Dome flat 1	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:36:25.7	1.6	r	Sloan
193983	Dome flat 2	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:37:41.1	2.1	r	Sloan
193984	Dome flat 3	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:38:47.4	3.1	r	Sloan
193985	Dome flat 4	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:39:56.1	4.1	r	Sloan
193986	Dome flat 5	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:41:54.9	5.1	r	Sloan
193987	Dome flat 6	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:43:16.4	6.1	r	Sloan
193988	Dome flat 7	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:44:25.9	7.1	r	Sloan
193989	Dome flat 8	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:45:38.3	8.1	r	Sloan
193990	Dome flat 9	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:47:06.1	9.1	r	Sloan
193991	Dome flat 10	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:48:20.7	10.1	r	Sloan
193992	Dome flat 11	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:49:37.5	11.1	r	Sloan
193993	Dome flat 12	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:50:53.1	12.1	r	Sloan
193994	Dome flat 13	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:52:51.4	13.1	r	Sloan
193995	Dome flat 14	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:54:10.7	14.1	r	Sloan
193996	Dome flat 15	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:55:31.0	14.6	r	Sloan
193997	Dome flat 16	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:56:51.7	16.1	r	Sloan
193998	Dome flat 17	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:58:15.2	17.1	r	Sloan
193999	Dome flat 18	0:00:00.00	+00:00:00.0	A	1.501	179.7	16:59:41.5	18.1	r	Sloan
194000	Dome flat 19	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:01:05.7	19.1	r	Sloan
194001	Dome flat 20	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:02:29.5	20.1	r	Sloan
194002	Dome flat 21	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:03:59.7	21.1	r	Sloan
194003	Dome flat 22	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:05:26.1	22.1	r	Sloan
194004	Dome flat 23	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:06:54.2	23.1	r	Sloan
194005	Dome flat 24	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:08:22.7	24.1	r	Sloan
194006	Dome flat 25	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:09:53.7	24.6	r	Sloan
194007	Dome flat 26	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:11:24.2	26.1	r	Sloan
194008	Dome flat 27	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:12:58.0	27.0	r	Sloan
194009	Dome flat 28	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:14:29.5	28.1	r	Sloan
194010	Dome flat 29	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:16:03.6	29.1	r	Sloan
194011	Dome flat 30	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:17:38.5	30.1	r	Sloan
194012	Dome flat 31	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:19:13.7	31.1	r	Sloan
194013	Dome flat 32	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:20:50.7	32.1	r	Sloan
194014	Dome flat 33	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:27:29.2	33.1	r	Sloan
194015	Dome flat 34	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:29:07.6	34.1	r	Sloan
194017	Dome flat 36	0:00:00.00	+00:00:00.0	A	1.501	179.7	17:30:52.4	36.1	r	Sloan
194021	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	18:44:04.6	0.0	r	Sloan
194022	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	18:44:51.8	0.0	r	Sloan
194023	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	18:46:12.1	0.0	r	Sloan
194024	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	18:47:01.0	0.0	r	Sloan
194025	Bias frame	0:00:00.00	+00:00:00.0	A	1.000	179.7	18:47:48.5	0.0	r	Sloan
194026	Flat field	20:00:00.00	+35:00:00.0	J2000.00	1.179	179.7	20:00:33.8	2.7	g	Sloan
194027	Flat field	20:00:02.45	+35:00:29.7	J2000.00	1.172	179.7	20:03:19.7	6.1	g	Sloan
194028	Flat field	20:00:04.88	+35:00:59.8	J2000.00	1.166	179.7	20:05:32.7	15.8	g	Sloan
194029	Flat field	19:59:57.55	+34:59:29.9	J2000.00	1.161	179.7	20:07:19.9	24.9	g	Sloan
194030	Flat field	19:59:55.11	+34:59:00.0	J2000.00	1.157	179.7	20:08:57.0	30.1	g	Sloan
194031	Flat field	9:59:56.33	+17:29:15.0	J2000.00	1.152	179.7	20:10:37.7	40.1	g	Sloan
194032	Flat field	19:59:44.54	+34:56:50.2	J2000.00	1.147	179.7	20:12:41.9	60.1	g	Sloan
194033	Focus run	18:42:45.00	+00:10:03.9	J2000.00	1.160	179.7	20:28:53.6	10.1	g	Sloan
194034	Focus run	18:42:45.00	+00:09:33.9	J2000.00	1.153	179.7	20:36:52.6	10.1	g	Sloan
194035	sa110-361	18:42:44.99	+00:08:03.9	J2000.00	1.149	179.7	20:41:02.3	10.1	g	Sloan
194037	wfssgc001	22:00:00.00	-00:00:00.0	J2000.00	1.986	179.7	20:50:56.6	-240.0	g	Sloan MCA timing fu
194039	wfssgc002	22:02:00.00	+00:00:00.0	J2000.00	1.788	179.7	21:07:17.3	239.9	g	Sloan
194040	wfssgc003	22:03:59.99	-00:00:00.0	J2000.00	1.748	179.7	21:13:38.0	239.9	g	Sloan
194041	wfssgc004	22:06:00.00	-00:00:00.0	J2000.00	1.705	179.7	21:20:42.4	239.8	g	Sloan
194042	wfssgc005	22:08:00.00	-00:00:00.0	J2000.00	1.669	179.7	21:27:11.4	239.3	g	Sloan

194043	wfssgc001	21:59:59.99	+00:00:00.0	J2000.00	1.573	179.7	21:32:36.9	239.8	g	Sloan	
194044	wfssgc002	22:02:00.00	-00:00:00.0	J2000.00	1.546	179.7	21:38:55.1	239.4	g	Sloan	
194045	wfssgc003	22:03:59.99	+00:00:00.0	J2000.00	1.518	179.7	21:45:31.7	239.4	g	Sloan	
194046	wfssgc004	22:06:00.00	-00:00:00.0	J2000.00	1.495	179.7	21:51:41.8	239.8	g	Sloan	
194047	wfssgc005	22:08:00.00	-00:00:00.0	J2000.00	1.473	179.7	21:57:45.9	239.9	g	Sloan	
194048	wfssgc011	22:19:59.99	+00:00:00.1	J2000.00	1.497	179.7	22:05:16.3	239.8	g	Sloan	
194049	wfssgc012	22:22:00.00	-00:00:00.0	J2000.00	1.477	179.7	22:10:58.9	239.3	g	Sloan	
194051	wfssgc014	22:26:00.00	+00:00:00.1	J2000.00	1.386	179.7	22:34:11.8	239.8	g	Sloan	
194052	wfssgc013	22:24:00.00	+00:00:00.2	J2000.00	1.353	179.7	22:40:26.4	239.9	g	Sloan	
194053	wfssgc015	22:28:00.00	-00:00:00.0	J2000.00	1.346	179.7	22:46:26.0	239.8	g	Sloan	
194054	wfssgc011	22:20:00.00	-00:00:00.0	J2000.00	1.300	179.7	22:52:03.7	239.2	g	Sloan	
194055	wfssgc012	22:22:00.00	-00:00:00.0	J2000.00	1.288	179.7	22:57:59.3	239.8	g	Sloan	
194056	wfssgc013	22:24:00.00	+00:00:00.1	J2000.00	1.276	179.7	23:03:57.9	239.9	g	Sloan	
194057	wfssgc014	22:26:00.00	+00:00:00.1	J2000.00	1.265	179.7	23:10:05.2	239.8	g	Sloan	
194058	wfssgc015	22:28:00.00	-00:00:00.1	J2000.00	1.254	179.7	23:16:24.4	239.8	g	Sloan	
194059	wfssgc031	23:00:00.00	-00:00:00.1	J2000.00	1.328	179.7	23:23:12.7	239.3	g	Sloan	
194060	wfssgc032	23:01:59.99	-00:00:00.0	J2000.00	1.313	179.7	23:29:42.5	239.8	g	Sloan	
194061	wfssgc033	23:03:59.99	+00:00:00.0	J2000.00	1.301	179.7	23:35:25.8	239.8	g	Sloan	
194062	wfssgc034	23:05:59.99	+00:00:00.1	J2000.00	1.291	179.7	23:40:52.5	239.3	g	Sloan	
194063	wfssgc035	23:08:00.00	-00:00:00.0	J2000.00	1.278	179.7	23:47:12.3	239.8	g	Sloan	
194064	wfssgc031	23:00:00.00	+00:00:00.0	J2000.00	1.239	179.7	23:53:20.0	399.7	g	Sloan	Sky too bright
194065	wfssgc032	23:02:00.00	+00:00:00.1	J2000.00	1.220	179.7	00:03:16.8	499.7	g	Sloan	repeat
194066	sa92-335	0:54:59.99	+00:44:13.0	J2000.00	1.137	179.7	03:43:27.3	9.6	g	Sloan	
194067	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.041	179.7	03:53:04.8	819.4	r	Sloan	40k sky counts
194068	M31-microfld1	0:44:00.00	+41:34:00.0	J2000.00	1.053	179.7	04:09:46.8	818.7	i	Sloan	Saturated
194069	M31-microfld2	0:43:10.01	+40:58:15.0	J2000.00	1.067	179.7	04:28:01.5	399.2	r	Sloan	
194071	m31-microfld2	0:43:09.99	+40:58:15.0	J2000.00	1.080	179.7	04:38:38.7	399.7	i	Sloan	
194072	m31-microfld1	0:44:00.00	+41:33:59.9	J2000.00	1.097	179.7	04:50:40.0	399.6	i	Sloan	
194073	m31-microfld1	0:44:00.00	+41:34:00.1	J2000.00	1.112	179.7	04:59:41.6	399.1	r	Sloan	
194074	sa95-330 U	3:54:31.00	+00:29:05.0	J2000.00	1.194	179.7	05:09:46.1	29.6	U	RGO	
194075	sa95-330 g	3:54:31.00	+00:29:05.0	J2000.00	1.191	179.7	05:11:37.2	10.1	g	Sloan	
194076	sa95-330 i	3:54:31.00	+00:29:05.0	J2000.00	1.188	179.7	05:13:13.6	10.1	i	Sloan	
194077	sa95-330 r	3:54:31.00	+00:29:04.9	J2000.00	1.185	179.7	05:15:28.3	10.1	r	Sloan	
194079	sa95-330	3:54:30.99	+00:29:04.9	J2000.00	1.165	179.7	05:29:48.7	10.1	z	Gunn	
194081	sa92-335 U	0:55:00.00	+00:44:13.0	J2000.00	1.342	179.7	05:32:59.9	30.1	U	RGO	
194082	sa92-335 g	0:55:00.00	+00:44:13.0	J2000.00	1.349	179.7	05:34:53.0	10.1	g	Sloan	
194083	sa92-335 i	0:54:59.99	+00:44:13.0	J2000.00	1.354	179.7	05:36:23.4	10.1	i	Sloan	
194084	sa92-335 r	0:55:00.00	+00:44:13.0	J2000.00	1.360	179.7	05:37:54.3	10.1	r	Sloan	
194085	sa92-335 Z	0:55:00.00	+00:44:13.0	J2000.00	1.366	179.7	05:39:26.0	10.1	z	Gunn	
194087	sa98-670 U	6:52:12.00	-00:19:16.9	J2000.00	1.828	179.7	05:54:31.9	30.1	U	RGO	
194088	sa98-670 g	6:52:12.00	-00:19:17.0	J2000.00	1.809	179.7	05:56:37.8	10.1	g	Sloan	
194089	sa98-670 i	6:52:11.99	-00:19:17.0	J2000.00	1.795	179.7	05:58:08.8	10.1	i	Sloan	
194090	sa98-670 r	6:52:12.00	-00:19:17.0	J2000.00	1.781	179.7	05:59:37.9	10.1	r	Sloan	
194091	sa98-670 Z	6:52:11.99	-00:19:17.0	J2000.00	1.767	179.7	06:01:10.6	10.1	z	Gunn	