INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

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TELESCOPE:            INT
DATE:                 20001027
TAPE NR:              4536
OBSERVER:             D.M. Worrall, G.P.Szokoly
PROGRAMME:            An XMM international Survey - AXIS
PATT/CAT REF.:        ITP3
TELESCOPE OPERATOR:   Neil O Mahony
SUPPORT ASTRONOMER:   Chris Benn

TELESCOPE FOCUS:      46.10 mm
CALIBRATE RESULTS:    HI 17.1 +/- , DI -34.6 +/- , HC 54.8 +/- , Sky sigma single star

INSTRUMENT:           WFC

WFC FILTER WHEEL:     i, r, U, Z, g, Ha

WEATHER:              (1st half) GOOD
                      (2nd half) GOOD
CLOUD COVER (%):      (1st half) 0
                      (2nd half) 0
DUST (0-2):           (1st half) 0
                      (2nd half) 0
SEEING (arcsec):      (1st half) 1.4
                      (2nd half) 0.9

DOME OPENED (UT):     18:40
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METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
19:00	7.5	16	34.3	38.1	23	771.9	7.9	12.2	12.2	14	17
20:00	6.9	29	31.6	33.8	23	772.3	7.3	9.7	12.0	29	22
21:00	6.1	47	30.6	35.6	27	772.7	6.7	8.3	11.2	44	40
22:00	5.7	71	36.4	38.0	10	773.1	6.1	8.5	10.8	68	55
23:00	5.7	80	35.5	37.5	21	773.2	6.1	7.9	10.2	77	68
00:00	6.0	73	29.2	37.2	1	773.3	6.3	7.4	10.1	70	66
01:00	5.9	59	36.1	38.1	10	772.9	6.4	7.8	10.3	58	53
02:00	6.5	48	27.0	28.3	2	772.9	6.8	7.8	9.9	40	40
03:00	6.8	63	25.6	26.2	346	772.7	7.1	7.5	9.8	56	53
04:00	8.4	20	14.3	15.1	350	772.4	8.9	8.7	9.6	20	31
05:00	7.7	8	20.0	20.4	329	772.0	8.3	8.8	9.3	7	23
06:00	8.6	5	22.2	23.6	316	772.0	9.1	8.6	9.1	4	7
07:00	8.6	5	30.0	33.3	332	771.9	9.3	8.4	9.9	3	7

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SUNSET(UT)              18:38
EVENING TWILIGHT(UT)    19:50
MORNING TWILIGHT(UT)    06:01
SUNRISE(UT)             07:14
MOON'S QUARTER (1-4)    1
DISK % OF ILLUM.        0
DARK TIME               10:11
TWILIGHT TIME           02:25
MOONRISE(UT)            No moonrise within sunset-sunrise
MOONSET(UT)             19:06

TIME LOST(WEATHER):     00:00
TIME LOST(TECHNICAL):   00:00
TIME LOST(OTHER):       00:00

COMMENTS:
  Poorer seeing associated with episode of high humidity (max 75%) in
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the first half. Sky exceptionally clear otherwise.
On tape 233871-968

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
233871	Bias frame	0:00:00.00	+00:00:00.0	J2000.00	3.166	180.0	12:48:33.9	0.0	z	Gunn	1 x 1	
233872	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.984	180.0	16:00:04.5	0.0	U	RGO	1 x 1	
233873	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.984	180.0	16:18:23.7	0.0	i	Sloan	1 x 1	
233874	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.984	180.0	16:20:07.0	0.0	i	Sloan	1 x 1	
233875	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.984	180.0	16:20:46.0	0.0	i	Sloan	1 x 1	
233876	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.984	180.0	16:21:25.2	0.0	i	Sloan	1 x 1	
233877	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.984	180.0	16:22:04.2	0.0	i	Sloan	1 x 1	
233878	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.984	180.0	16:22:43.2	0.0	i	Sloan	1 x 1	
233879	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.984	180.0	16:23:22.3	0.0	i	Sloan	1 x 1	
233880	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.984	180.0	16:24:01.3	0.0	i	Sloan	1 x 1	
233881	Bias	0:00:00.00	+00:00:00.0	J2000.00	2.984	180.0	16:24:40.4	0.0	i	Sloan	1 x 1	
233882	Bias	20:00:00.00	+30:00:00.0	A	1.000	180.0	18:44:58.6	0.0	U	RGO	1 x 1	
233883	test	20:00:00.00	+30:00:00.0	A	1.000	180.0	18:46:12.1	2.4	U	RGO	1 x 1	
233884	Sky flat U	20:00:00.00	+29:59:59.9	A	1.000	180.0	18:49:04.6	3.6	U	RGO	1 x 1	
233885	Sky flat U	20:00:00.00	+30:00:00.0	A	1.000	180.0	18:51:34.5	7.1	U	RGO	1 x 1	
233886	Sky flat Halpha	20:00:00.00	+29:59:59.9	A	1.001	180.0	18:53:46.1	7.1	Halpha Narrow-ban		1 x 1	
233887	Sky flat Halpha	20:00:00.00	+30:00:00.0	A	1.001	180.0	18:55:10.5	20.1	Halpha Narrow-ban		1 x 1	
233888	Flat field	20:00:01.54	+29:59:40.0	A	1.001	180.0	18:58:11.3	10.7	r	Sloan	1 x 1	
233889	Flat field	20:00:01.54	+29:59:59.9	A	1.002	180.0	18:59:42.2	16.0	r	Sloan	1 x 1	
233890	Flat field	20:00:01.53	+29:59:59.8	A	1.002	180.0	19:01:13.7	24.3	r	Sloan	1 x 1	
233891	Flat field	20:00:01.54	+30:00:00.3	A	1.003	180.0	19:03:16.6	33.1	i	Sloan	1 x 1	
233892	Flat field	20:00:03.07	+30:00:00.1	A	1.003	180.0	19:05:04.5	51.0	i	Sloan	1 x 1	
233893	Flat field	20:00:03.07	+29:59:59.9	A	1.004	180.0	19:07:17.3	80.2	i	Sloan	1 x 1	
233894	Flat field	10:00:01.53	+14:59:50.0	A	1.005	180.0	19:09:57.3	137.4	i	Sloan	1 x 1	
233895	Focus run	21:42:35.50	+00:19:16.0	J2000.00	1.190	180.0	19:20:50.9	10.2	i	Sloan	1 x 1	
233896	Focus run	21:42:35.49	+00:18:46.0	J2000.00	1.175	180.0	19:30:54.6	10.1	i	Sloan	1 x 1	
233897	sa113-163	21:42:35.50	+00:20:46.0	J2000.00	1.163	180.0	19:38:26.0	120.0	U	RGO	1 x 1	
233898	sa113-163	21:42:35.50	+00:20:46.0	J2000.00	1.160	180.0	19:41:47.7	30.1	g	Sloan	1 x 1	
233899	sa113-163	21:42:35.50	+00:20:46.0	J2000.00	1.158	180.0	19:43:40.8	30.1	r	Sloan	1 x 1	
233900	sa113-163	21:42:35.50	+00:20:45.9	J2000.00	1.155	180.0	19:45:45.5	120.0	Halpha Narrow-ban		1 x 1	
233901	sa113-163	21:42:35.50	+00:20:46.0	J2000.00	1.153	180.0	19:49:10.3	30.1	i	Sloan	1 x 1	
233902	sa113-163	21:42:35.50	+00:20:46.0	J2000.00	1.151	180.0	19:51:19.0	60.1	z	Gunn	1 x 1	
233903	sa113-163	21:42:35.50	+00:20:46.0	J2000.00	1.149	180.0	19:53:56.4	15.1	g	Sloan	1 x 1	
233904	sa113-163	21:42:35.49	+00:20:46.0	J2000.00	1.148	180.0	19:56:08.1	15.1	i	Sloan	1 x 1	
233905	S5_0014+813	0:18:16.44	+81:37:08.4	J2000.00	1.738	180.0	20:15:01.5	1198.0	z	Gunn	1 x 1	
233906	S5_0014+813	0:18:16.44	+81:37:08.3	J2000.00	1.716	180.0	20:36:38.8	1198.8	i	Sloan	1 x 1	
233907	S5_0014+813	0:18:16.43	+81:37:08.3	J2000.00	1.702	180.0	20:58:05.6	599.4	r	Sloan	1 x 1	
233909	HD_108	0:06:25.35	+63:42:48.1	J2000.00	1.257	180.0	21:24:36.5	599.5	g	Sloan	1 x 1	
233910	EQ_PEG	23:32:00.63	+19:58:16.9	J2000.00	1.020	180.0	21:39:48.4	599.5	g	Sloan	1 x 1	
233911	EQ_PEG	23:32:00.64	+19:58:16.9	J2000.00	1.015	180.0	21:51:57.3	599.5	r	Sloan	1 x 1	
233912	EQ_PEG	23:32:00.64	+19:58:16.9	J2000.00	1.012	180.0	22:03:30.5	1198.6	U	RGO	1 x 1	
233913	Focus run	0:18:43.42	+16:30:48.0	J2000.00	1.033	180.0	22:31:48.0	10.1	U	RGO	1 x 1	
233914	CL0016+16	0:18:43.43	+16:28:18.0	J2000.00	1.026	180.0	22:37:01.6	1198.8	U	RGO	1 x 1	
233915	A399	2:58:35.28	+13:20:00.0	J2000.00	1.272	180.0	23:07:49.3	599.5	r	Sloan	1 x 1	
233916	A399	2:58:35.27	+13:20:00.0	J2000.00	1.226	180.0	23:19:42.1	799.1	g	Sloan	1 x 1	
233917	A399	2:58:35.27	+13:20:00.0	J2000.00	1.174	180.0	23:34:58.9	1198.7	U	RGO	1 x 1	
233918	HD_33798	5:15:29.81	+47:12:18.8	J2000.00	1.487	180.0	00:00:02.5	1198.3	z	Gunn	1 x 1	
233919	HD_33798	5:15:29.81	+47:12:18.8	J2000.00	1.388	180.0	00:22:32.0	1198.9	i	Sloan	1 x 1	
233920	HD_33798	5:15:29.80	+47:12:18.9	J2000.00	1.327	180.0	00:44:07.4	599.5	r	Sloan	1 x 1	
233921	HD_33798	5:15:29.80	+47:12:18.8	J2000.00	1.273	180.0	00:56:37.5	1198.8	Halpha Narrow-ban		1 x 1	
233922	HD_33798	5:15:29.81	+47:12:18.9	J2000.00	1.228	180.0	01:18:10.7	599.4	g	Sloan	1 x 1	
233923	HD_33798	5:15:29.81	+47:12:19.1	J2000.00	1.191	180.0	01:29:18.7	1198.4	U	RGO	1 x 1	
233924	HAWAII_167	3:57:31.90	+01:12:55.8	J2000.00	1.144	180.0	01:53:23.6	1198.9	z	Gunn	1 x 1	
233925	HAWAII_167	3:57:31.90	+01:12:55.8	J2000.00	1.131	180.0	02:14:45.5	1198.7	i	Sloan	1 x 1	
233926	HAWAII_167	3:57:31.90	+01:12:55.7	J2000.00	1.128	180.0	02:35:56.3	599.5	r	Sloan	1 x 1	
233927	HAWAII_167	3:57:31.90	+01:12:55.7	J2000.00	1.129	180.0	02:47:15.3	599.5	g	Sloan	1 x 1	
233928	HAWAII_167	3:57:31.89	+01:12:55.7	J2000.00	1.136	180.0	02:58:48.4	1199.1	U	RGO	1 x 1	

233929	GL_182	4:59:45.00	+01:49:08.9	J2000.00	1.122	180.0	03:26:37.7	1199.0	i	Sloan		1 x 1
233930	GL_182	4:59:45.00	+01:49:09.0	J2000.00	1.124	180.0	03:48:49.1	1198.7	U	RGO		1 x 1
233931	GL_182	4:59:45.00	+01:49:08.9	J2000.00	1.132	180.0	04:09:56.3	599.5	g	Sloan		1 x 1
233932	GL_182	4:59:45.00	+01:49:08.9	J2000.00	1.141	180.0	04:21:25.7	598.9	r	Sloan		1 x 1
233933	GL_182	4:59:45.00	+01:49:08.9	J2000.00	1.159	180.0	04:32:57.5	1198.8	z	Gunn		1 x 1
233934	SA95-330	3:54:31.00	+00:29:05.0	J2000.00	1.376	180.0	04:56:21.0	60.0	z	Gunn		1 x 1
233935	SA95-330	3:54:31.00	+00:29:05.0	J2000.00	1.385	180.0	04:59:17.1	-30.3	i	Sloan		1 x 1
233936	SA95-330	3:54:31.00	+00:29:04.9	J2000.00	1.396	180.0	05:02:36.4	-120.2	Halpha	Narrow-ban		1 x 1
233937	SA95-330	3:54:31.00	+00:29:05.0	J2000.00	1.407	180.0	05:04:15.4	-30.3	r	Sloan		1 x 1
233938	SA95-330	3:54:31.00	+00:29:05.0	J2000.00	1.414	180.0	05:05:43.1	-15.3	g	Sloan		1 x 1
233939	SA95-330	3:54:31.00	+00:29:05.0	J2000.00	1.439	180.0	05:11:58.7	-120.3	U	RGO		1 x 1
233940	GRB001025	8:36:46.77	-13:02:29.9	J2000.00	1.571	180.0	05:30:51.0	-899.2	r	Sloan		1 x 1
233941	CL0939+472	9:43:10.24	+09:45:00.1	J2000.00	1.356	180.0	05:54:48.7	-1199.0	i	Sloan		1 x 1
233942	CL0939+472	9:43:10.25	+09:45:00.1	J2000.00	1.284	180.0	06:07:10.3	-599.6	r	Sloan		1 x 1
233943	CL0939+472	9:43:10.25	+09:45:00.1	J2000.00	1.245	180.0	06:18:27.7	-599.6	g	Sloan		1 x 1
233944	SA98-670	6:52:11.99	-00:19:17.0	J2000.00	1.172	180.0	06:26:24.6	-30.3	i	Sloan		1 x 1
233945	SA98-670	6:52:12.00	-00:19:16.9	J2000.00	1.174	180.0	06:27:49.5	-15.3	g	Sloan		1 x 1
233946	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.175	180.0	06:29:19.0	-30.3	r	Sloan	1	1 x 1
233947	SA98-670	6:52:11.99	-00:19:16.9	J2000.00	1.177	180.0	06:31:22.8	-60.3	U	RGO	1	1 x 1
233948	sky flat z	8:01:00.00	+50:00:00.0	J2000.00	1.073	180.0	06:37:02.3	-29.8	z	Gunn	1	1 x 1
233949	sky flat z	8:01:00.00	+50:00:00.0	J2000.00	1.073	180.0	06:40:22.5	-60.3	z	Gunn	1	1 x 1
233950	sky flat z	8:01:00.00	+49:59:29.9	J2000.00	1.073	180.0	06:43:36.8	-120.2	z	Gunn	1	1 x 1
233951	sky flat z	8:00:56.89	+49:59:29.9	J2000.00	1.073	180.0	06:46:31.8	-90.2	z	Gunn	1	1 x 1
233952	sky flat z	8:00:56.88	+49:59:59.9	J2000.00	1.073	180.0	06:49:23.6	-90.2	z	Gunn	1	1 x 1
233953	Flat field	8:00:56.88	+50:00:30.0	J2000.00	1.073	180.0	06:51:60.5	-81.6	z	Gunn	1	1 x 1
233954	Flat field	8:00:56.89	+50:00:30.0	J2000.00	1.073	180.0	06:53:26.1	-9.9	i	Sloan	1	1 x 1
233955	Flat field	8:00:56.88	+50:00:30.0	J2000.00	1.073	180.0	06:54:48.3	-8.2	g	Sloan	1	1 x 1
233956	Flat field	8:01:03.11	+50:00:30.0	J2000.00	1.073	180.0	06:56:05.3	-6.9	g	Sloan	1	1 x 1
233957	sky flat g	8:01:03.11	+50:00:29.9	J2000.00	1.074	180.0	06:58:30.9	-2.4	g	Sloan	1	1 x 1
233958	sky flat U	4:00:31.55	+25:00:14.9	J2000.00	1.074	180.0	07:00:12.2	-10.3	U	RGO	1	1 x 1
233959	sky flat U	8:01:03.11	+50:00:30.3	J2000.00	1.074	180.0	07:01:21.0	-6.3	U	RGO	1	1 x 1
233960	sky flat U	4:00:31.55	+25:00:14.9	J2000.00	1.075	180.0	07:02:28.1	-3.3	U	RGO	1	1 x 1
233961	sky flat U	4:00:31.55	+24:59:59.8	J2000.00	1.075	180.0	07:03:38.1	-2.3	U	RGO	1	1 x 1
233962	sky flat U	4:00:31.55	+25:00:00.0	J2000.00	1.075	180.0	07:04:41.8	-2.6	U	RGO	1	1 x 1
233963	sky flat U	8:01:03.11	+50:00:00.0	J2000.00	1.075	180.0	07:05:43.6	-2.1	U	RGO	1	1 x 1
233964	sky flat U	8:01:03.11	+50:00:00.0	J2000.00	1.076	180.0	07:07:01.6	-2.4	Halpha	Narrow-ban	1	1 x 1
233965	sky flat U	8:01:03.11	+50:00:00.0	J2000.00	1.076	180.0	07:08:02.7	-2.2	Halpha	Narrow-ban	1	1 x 1
233966	sky flat Halpha	8:01:03.11	+49:59:59.9	J2000.00	1.076	180.0	07:09:31.1	-2.5	Halpha	Narrow-ban	1	1 x 1
233967	sky flat Halpha	8:01:03.11	+49:59:59.9	J2000.00	1.077	180.0	07:10:32.5	-2.2	Halpha	Narrow-ban	1	1 x 1
233968	sky flat Halpha	8:01:03.11	+50:00:00.0	J2000.00	1.077	180.0	07:11:37.9	-3.2	Halpha	Narrow-ban	1	1 x 1