INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20001028
TAPE NR: 4537
OBSERVER: D.M. Worrall, G.P.Szokoly
PROGRAMME: An XMM international Survey - AXIS
PATT/CAT REF.: ITP3
TELESCOPE OPERATOR: Neil O Mahony
SUPPORT ASTRONOMER: -

TELESCOPE FOCUS: 46.10 mm
CALIBRATE RESULTS: HI 54.4 +/- , DI -36.0 +/- , HC 37.7 +/- , Sky sigma single star

INSTRUMENT: WFC

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

WEATHER: (1st half) FAIR
(2nd half) FAIR
CLOUD COVER (%): (1st half) 0
(2nd half) 0
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 3.5
(2nd half) 2.5

DOME OPENED (UT): 18:30

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
19:00	12.5	1	23.5	24.9	331	771.6	12.5	12.8	11.5	0	4
20:00	10.9	2	22.2	24.3	21	771.6	11.5	11.9	11.6	0	4
21:00	11.4	1	22.2	25.0	36	771.9	11.9	11.8	11.5	0	4
22:00	9.3	9	16.5	19.1	158	772.5	10.1	10.9	11.6	7	7
23:00	11.5	7	9.9	13.0	152	772.7	12.1	12.5	12.0	5	5
00:00	11.4	14	19.6	22.7	166	772.7	11.8	12.4	12.2	13	11
01:00	11.2	10	6.5	8.8	130	772.7	11.4	12.2	12.0	9	10
02:00	8.1	23	15.0	20.0	133	772.4	8.4	9.6	11.6	22	19
03:00	7.5	28	19.8	21.9	144	772.4	8.2	9.0	11.1	24	22
04:00	8.0	19	3.4	3.9	118	772.6	8.5	9.2	11.0	19	18
05:00	8.2	15	4.7	5.8	25	772.6	8.3	9.8	10.9	18	16
06:00	8.6	16	9.9	10.5	263	772.6	8.6	9.7	10.7	16	14
07:00	7.1	26	13.9	15.3	253	772.9	7.3	8.4	10.3	25	22

SUNSET(UT) 18:37
EVENING TWILIGHT(UT) 19:49
MORNING TWILIGHT(UT) 06:02
SUNRISE(UT) 07:14
MOON'S QUARTER (1-4) 1
DISK % OF ILLUM. 2
DARK TIME 10:13
TWILIGHT TIME 02:24
MOONRISE(UT) No moonrise within sunset-sunrise
MOONSET(UT) 19:44

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

COMMENTS:
Poor seeing (3-5") associated with southerly winds after about 22h. When wind abated

at about 06:30 UT, seeing improved to ~1.5".
On tape 233969-234056

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
233969	Bias	0:00:00.00	+00:00:00.0	A	1.012	180.0	14:11:06.1	0.0	Halpha	Narrow-ban	1 x 1	
233970	Bias	16:00:00.00	+35:00:00.0	A	1.011	180.0	14:14:29.7	0.0	Halpha	Narrow-ban	1 x 1	
233971	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	18:05:45.7	0.0	U	RGO	1 x 1	
233972	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	18:08:46.6	0.0	U	RGO	1 x 1	
233973	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	18:09:26.1	0.0	U	RGO	1 x 1	
233974	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	18:10:07.5	0.0	U	RGO	1 x 1	
233975	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	18:10:46.6	0.0	U	RGO	1 x 1	
233976	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	18:11:27.9	0.0	U	RGO	1 x 1	
233977	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	18:12:09.8	0.0	U	RGO	1 x 1	
233978	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	18:12:49.3	0.0	U	RGO	1 x 1	
233979	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	18:13:28.3	0.0	U	RGO	1 x 1	
233980	Bias	0:00:00.00	+00:00:00.0	A	1.000	180.0	18:14:09.9	0.0	U	RGO	1 x 1	
233981	Twi flat Ha 1s	19:19:08.99	+12:22:04.8	B1950.00	1.052	180.0	18:37:47.6	2.0	Halpha	Narrow-ban	1 x 1	
233982	Twi flat Ha 1s	19:19:09.00	+12:22:04.9	B1950.00	1.053	180.0	18:39:32.9	1.1	Halpha	Narrow-ban	1 x 1	
233983	Twi flat Ha 1s	19:19:08.99	+12:22:04.9	B1950.00	1.055	180.0	18:41:31.8	1.1	Halpha	Narrow-ban	1 x 1	
233984	Flat field	9:39:34.50	+06:11:02.6	B1950.00	1.057	180.0	18:44:14.8	5.7	U	RGO	1 x 1	
233985	Flat field	19:19:08.99	+12:22:04.8	B1950.00	1.058	180.0	18:45:33.9	9.2	U	RGO	1 x 1	
233986	Twi flat U 1s	19:19:09.00	+12:22:05.0	B1950.00	1.059	180.0	18:46:45.3	1.1	U	RGO	1 x 1	
233987	Twi flat U 1s	9:39:34.49	+06:11:02.2	B1950.00	1.060	180.0	18:47:52.1	1.6	U	RGO	1 x 1	
233988	Twi flat g 1s	19:19:09.00	+12:22:05.0	B1950.00	1.061	180.0	18:49:28.6	0.9	g	Sloan	1 x 1	
233989	Twi flat g 1s	19:19:09.00	+12:22:05.0	B1950.00	1.062	180.0	18:51:03.0	1.2	g	Sloan	1 x 1	
233990	Twi flat g	19:19:08.99	+12:22:04.9	B1950.00	1.063	180.0	18:52:16.9	2.1	g	Sloan	1 x 1	
233991	Twi flat g	19:19:09.00	+12:22:04.9	B1950.00	1.065	180.0	18:53:49.8	2.1	g	Sloan	1 x 1	
233992	Twi flat g	19:19:09.00	+12:22:04.9	B1950.00	1.066	180.0	18:55:17.7	3.1	r	Sloan	1 x 1	
233993	Twi flat g	19:19:09.00	+12:21:35.0	B1950.00	1.068	180.0	18:56:44.2	8.1	r	Sloan	1 x 1	
233994	Twi flat r	19:19:06.93	+12:21:35.0	B1950.00	1.069	180.0	18:58:02.2	15.1	r	Sloan	1 x 1	
233995	Twi flat i	19:19:06.96	+12:21:34.9	B1950.00	1.070	180.0	18:59:22.8	15.1	i	Sloan	1 x 1	
233996	Twi flat i	19:19:06.95	+12:21:05.1	B1950.00	1.072	180.0	19:00:44.1	30.1	i	Sloan	1 x 1	
233997	Twi flat i	19:19:09.00	+12:21:05.0	B1950.00	1.074	180.0	19:02:20.9	60.1	i	Sloan	1 x 1	
233998	Twi flat i	19:19:08.99	+12:22:34.9	B1950.00	1.076	180.0	19:04:25.1	90.0	i	Sloan	1 x 1	
233999	Twi flat z	19:19:08.99	+12:22:35.0	B1950.00	1.080	180.0	19:07:04.7	179.9	z	Gunn	1 x 1	
234000	Focus run	21:42:35.00	+00:18:26.0	J2000.00	1.181	180.0	19:22:26.7	10.1	i	Sloan	1 x 1	
234001	SA113-163	21:42:34.99	+00:20:06.0	J2000.00	1.174	180.0	19:25:44.6	59.6	U	RGO	1 x 1	
234002	SA113-163	21:42:35.00	+00:20:06.0	J2000.00	1.172	180.0	19:27:47.6	15.1	g	Sloan	1 x 1	
234003	SA113-163	21:42:35.00	+00:20:05.9	J2000.00	1.170	180.0	19:29:00.6	29.6	r	Sloan	1 x 1	
234004	SA113-163	21:42:34.99	+00:20:06.0	J2000.00	1.168	180.0	19:30:30.5	30.1	i	Sloan	1 x 1	
234005	SA113-163	21:42:35.00	+00:20:06.0	J2000.00	1.166	180.0	19:31:59.7	60.1	z	Gunn	1 x 1	
234006	SA113-163	21:42:35.00	+00:20:06.0	J2000.00	1.163	180.0	19:34:08.7	120.0	z	Gunn	1 x 1	
234007	PB5062	22:05:19.91	+01:53:17.9	J2000.00	1.156	180.0	19:40:14.4	1198.7	z	Gunn	1 x 1	
234008	PB5062	22:05:19.90	+01:53:17.9	J2000.00	1.134	180.0	20:01:53.6	1198.5	i	Sloan	1 x 1	
234009	PB5062	22:05:19.90	+01:53:18.2	J2000.00	1.125	180.0	20:22:56.7	599.3	r	Sloan	1 x 1	
234010	PB5062	22:05:19.90	+01:53:17.9	J2000.00	1.121	180.0	20:34:07.6	599.5	g	Sloan	1 x 1	
234011	PB5062	22:05:19.91	+01:53:18.1	J2000.00	1.121	180.0	20:45:51.9	599.3	g	Sloan	1 x 1	
234012	LBQS221	22:15:42.16	-17:42:05.0	J2000.00	1.463	180.0	21:02:00.9	2397.4	i	Sloan	1 x 1	
234013	SA92-335	0:55:00.00	+00:44:13.0	J2000.00	1.261	180.0	21:49:02.6	299.3	z	Gunn	1 x 1	
234014	SA92-335	0:55:00.00	+00:44:12.9	J2000.00	1.246	180.0	21:55:50.0	179.9	i	Sloan	1 x 1	
234015	SA92-335	0:54:59.99	+00:44:13.0	J2000.00	1.236	180.0	22:00:07.0	179.8	r	Sloan	1 x 1	
234016	SA92-335	0:54:59.99	+00:44:13.0	J2000.00	1.224	180.0	22:06:07.6	90.0	g	Sloan	1 x 1	
234017	A2670	23:54:19.16	-10:21:59.9	J2000.00	1.290	180.0	22:10:59.3	2397.6	g	Sloan	1 x 1	
234018	NGC7770	23:51:32.84	+20:07:47.0	J2000.00	1.023	180.0	22:59:44.6	1198.4	i	Sloan	1 x 1	
234019	NGC7770	23:51:32.85	+20:07:47.0	J2000.00	1.040	180.0	23:20:59.4	1198.9	r	Sloan	1 x 1	
234020	NGC7770	23:51:32.85	+20:07:47.1	J2000.00	1.074	180.0	23:43:44.3	1798.1	g	Sloan	1 x 1	
234021	HCG16	2:09:48.65	-10:06:48.8	J2000.00	1.288	180.0	00:19:17.5	1798.1	r	Sloan	1 x 1	
234022	HCG16	2:09:48.66	-10:06:49.0	J2000.00	1.291	180.0	00:51:45.3	2397.6	g	Sloan	1 x 1	
234023	MBM12	2:57:10.63	+19:55:59.9	J2000.00	1.014	180.0	01:36:42.7	1798.2	r	Sloan	1 x 1	
234024	MBM12	2:57:10.64	+19:56:00.0	J2000.00	1.034	180.0	02:08:20.6	2397.6	i	Sloan	1 x 1	
234025	GEMINGA	6:34:04.79	+17:48:13.1	J2000.00	1.155	180.0	02:52:57.3	2397.4	i	Sloan	1 x 1	

234026	GEMINGA	6:34:04.79	+17:48:12.9	J2000.00	1.092	180.0	03:34:59.8	899.1	r	Sloan		1 x 1
234027	GEMINGA	6:34:04.80	+17:48:13.0	J2000.00	1.067	180.0	03:51:37.6	899.0	g	Sloan		1 x 1
234028	0738+313	7:41:22.28	+31:14:00.4	J2000.00	1.121	180.0	04:10:11.4	899.1	r	Sloan		1 x 1
234029	0738+313	7:41:22.29	+31:14:00.2	J2000.00	1.080	180.0	04:27:23.1	1498.3	i	Sloan		1 x 1
234030	0738+313	7:41:22.28	+31:14:00.3	J2000.00	1.052	180.0	04:53:56.6	599.1	g	Sloan		1 x 1
234031	CL0939+472	9:43:10.25	+09:45:00.0	J2000.00	1.478	180.0	05:07:24.7	1198.8	z	Gunn		1 x 1
234032	GRB001025	8:36:46.77	-13:02:30.0	J2000.00	1.487	180.0	05:31:00.6	1198.6	i	Sloan		1 x 1
234033	GRB001025	8:36:46.77	-13:02:29.8	J2000.00	1.426	180.0	05:52:16.6	1198.9	z	Gunn		1 x 1
234034	SA98-670	6:52:12.00	-00:19:17.1	J2000.00	1.168	180.0	06:17:21.9	120.0	U	RGO		1 x 1
234035	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.170	180.0	06:20:24.6	15.1	g	Sloan		1 x 1
234036	SA98-670	6:52:12.00	-00:19:16.7	J2000.00	1.172	180.0	06:21:50.8	120.0	Halpha	Narrow-ban		1 x 1
234037	SA98-670	6:52:12.00	-00:19:16.9	J2000.00	1.176	180.0	06:26:00.4	20.1	r	Sloan		1 x 1
234038	SA98-670	6:52:12.00	-00:19:17.0	J2000.00	1.179	180.0	06:27:45.6	30.1	i	Sloan		1 x 1
234039	SA98-670	6:52:11.99	-00:19:16.9	J2000.00	1.181	180.0	06:29:26.6	60.1	z	Gunn	1	1 x 1
234040	sky flat I	8:01:00.00	+50:00:00.0	J2000.00	1.073	180.0	06:37:41.5	120.0	i	Sloan	1	1 x 1
234041	sky flat I	8:01:00.00	+49:59:30.0	J2000.00	1.073	180.0	06:41:01.7	119.5	i	Sloan	1	1 x 1
234042	Flat field	8:00:56.88	+49:59:30.0	J2000.00	1.073	180.0	06:44:15.3	86.5	i	Sloan	1	1 x 1
234043	sky flat z	8:00:56.88	+49:59:30.0	J2000.00	1.073	180.0	06:47:13.4	120.0	z	Gunn	1	1 x 1
234044	Flat field	8:00:56.88	+50:00:00.0	J2000.00	1.073	180.0	06:50:31.6	106.0	z	Gunn	1	1 x 1
234045	Flat field	8:00:56.88	+50:00:29.9	J2000.00	1.074	180.0	06:53:31.0	50.3	z	Gunn	1	1 x 1
234046	Flat field	8:00:56.89	+50:00:29.9	J2000.00	1.074	180.0	06:55:34.9	7.4	r	Sloan	1	1 x 1
234047	Flat field	8:01:00.00	+50:00:30.0	J2000.00	1.074	180.0	06:57:07.6	4.8	r	Sloan	1	1 x 1
234048	sky flat g	8:01:00.00	+50:00:29.9	J2000.00	1.075	180.0	06:58:38.9	1.1	g	Sloan	1	1 x 1
234049	sky flat g	8:01:00.00	+50:00:29.9	J2000.00	1.075	180.0	06:59:41.5	1.1	g	Sloan	1	1 x 1
234050	sky flat g	8:01:00.00	+50:00:29.9	J2000.00	1.075	180.0	07:00:44.5	1.1	g	Sloan	1	1 x 1
234051	sky flat u	8:00:59.99	+50:00:29.5	J2000.00	1.075	180.0	07:02:04.5	2.1	U	RGO	1	1 x 1
234052	sky flat u	4:00:30.00	+25:00:15.0	J2000.00	1.076	180.0	07:03:13.9	1.0	U	RGO	1	1 x 1
234053	sky flat u	8:00:59.99	+50:00:29.6	J2000.00	1.076	180.0	07:04:19.3	1.1	U	RGO	1	1 x 1
234054	sky flat Halpha	8:01:00.00	+50:00:30.0	J2000.00	1.076	180.0	07:05:33.0	2.1	Halpha	Narrow-ban	1	1 x 1
234055	sky flat Halpha	8:01:00.00	+50:00:30.0	J2000.00	1.077	180.0	07:06:45.3	2.1	Halpha	Narrow-ban	1	1 x 1
234056	sky flat Halpha	8:01:00.00	+50:00:29.9	J2000.00	1.077	180.0	07:07:54.8	1.1	Halpha	Narrow-ban	1	1 x 1