INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20020107
TAPE NR:
OBSERVER: Tedds, Jones
PROGRAMME: XMM follow-up
PATT/CAT REF.:
TELESCOPE OPERATOR: J. Gonzalez
SUPPORT ASTRONOMER: R. Greimel

TELESCOPE FOCUS: 44.05 mm
CALIBRATE RESULTS: not specified

INSTRUMENT: WFC

WFC FILTER WHEEL: U g r i z Ha

WEATHER: (1st half) fair
(2nd half) poor
CLOUD COVER (%): (1st half) 75
(2nd half) 90
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 3
(2nd half) 2.5

DOME OPENED (UT): 19:00

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
19:00	1.3	39	26.0	35.6	84	763.7	2.0	5.2	6.3	33	30
20:00	2.8	33	18.1	22.7	70	764.3	3.2	4.7	5.6	28	28
21:00	2.5	32	15.5	22.1	43	764.5	2.9	4.9	5.6	28	27
22:00	3.1	28	36.0	41.4	69	764.5	3.0	4.3	5.6	27	26
23:00	2.6	29	28.9	36.5	71	764.7	2.6	4.6	5.5	28	27
00:00	2.8	29	22.6	29.6	55	764.7	3.2	4.4	5.3	25	26
01:00	2.7	29	7.2	9.7	200	764.3	3.1	4.1	5.5	27	24
02:00	3.0	28	8.4	10.9	190	764.3	3.6	4.6	5.3	25	23
03:00	3.4	27	18.0	22.0	128	764.2	3.9	4.8	5.2	24	23
04:00	3.3	28	16.0	18.8	136	764.0	3.8	4.7	5.6	24	22
05:00	3.1	27	19.7	21.5	141	763.5	3.5	4.8	5.7	24	22
06:00	3.3	27	19.4	22.3	155	763.3	3.9	5.8	5.7	24	24
07:00	2.8	29	10.2	15.0	141	763.7	3.0	5.7	5.9	27	25

SUNSET(UT) 18:37
EVENING TWILIGHT(UT) 19:53
MORNING TWILIGHT(UT) 06:42
SUNRISE(UT) 07:58
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 30
DARK TIME 10:49
TWILIGHT TIME 02:32
MOONRISE(UT) 03:07
MOONSET(UT) No moonset within sunset-sunrise

TIME LOST(WEATHER): 6:00
TIME LOST(TECHNICAL): 00:00
TIME LOST(OTHER): 00:00

COMMENTS:
Medium to thick cloud cover

seeing very poor (2.5 to 3 arcseconds)

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
288846	DE Checks	0:00:00.00	+00:00:00.0	A	4.439	180.0	15:08:43.7	2.1	Halpha	Narrow-ban	1 x 1	
288847	Bias frame	0:00:00.00	+00:00:00.0	A	4.439	180.0	15:09:47.3	0.0	Halpha	Narrow-ban	1 x 1	
288848	Flat field	22:58:00.00	+00:05:00.0	J2000.00	1.364	180.0	19:14:27.8	1.8	r	Sloan	1 x 1	dome not remote
288849	Flat field	22:57:59.99	+00:05:00.0	J2000.00	1.373	180.0	19:16:52.4	2.1	r	Sloan	1 x 1	=>vignetting
288850	Flat field	22:58:00.00	+00:05:00.0	J2000.00	1.376	180.0	19:17:35.5	2.1	r	Sloan	1 x 1	+ cloudy 48-59
288851	Flat field	22:58:00.00	+00:05:00.0	J2000.00	1.381	180.0	19:18:45.8	5.1	r	Sloan	1 x 1	
288852	Flat field	22:58:00.00	+00:05:00.0	J2000.00	1.389	180.0	19:20:36.8	10.1	r	Sloan	1 x 1	
288853	Flat field	22:58:00.00	+00:04:59.9	J2000.00	1.401	180.0	19:22:42.6	100.1	r	Sloan	1 x 1	
288854	Flat field	22:58:00.00	+00:04:59.9	J2000.00	1.423	180.0	19:26:37.5	199.9	r	Sloan	1 x 1	
288855	Flat field	22:58:00.00	+00:04:59.9	J2000.00	1.436	180.0	19:30:53.9	20.1	i	Sloan	1 x 1	
288856	Flat field	22:57:59.99	+00:05:00.0	J2000.00	1.447	180.0	19:32:27.2	100.0	i	Sloan	1 x 1	
288857	Flat field	22:58:00.00	+00:04:59.9	J2000.00	1.465	180.0	19:35:09.5	199.4	i	Sloan	1 x 1	
288858	Flat field	22:57:59.99	+00:05:00.0	J2000.00	1.490	180.0	19:40:48.9	100.0	z	Gunn	1 x 1	
288859	Flat field	22:58:00.66	+00:05:09.8	J2000.00	1.510	180.0	19:43:33.3	200.0	z	Gunn	1 x 1	
288860	Flat field	22:58:01.33	+00:05:20.0	J2000.00	1.540	180.0	19:48:38.6	199.9	z	Gunn	1 x 1	dome remote
288861	Bias frame	22:58:01.33	+00:05:20.0	J2000.00	1.566	180.0	19:54:27.0	0.0	i	Sloan	1 x 1	
288862	Bias frame	22:58:01.33	+00:05:20.0	J2000.00	1.570	180.0	19:55:06.1	0.0	i	Sloan	1 x 1	
288863	Bias frame	22:58:01.33	+00:05:19.9	J2000.00	1.574	180.0	19:55:45.2	0.0	i	Sloan	1 x 1	
288864	Bias frame	22:58:01.33	+00:05:20.0	J2000.00	1.579	180.0	19:56:24.3	0.0	i	Sloan	1 x 1	
288865	Bias frame	22:58:01.33	+00:05:19.9	J2000.00	1.583	180.0	19:57:07.5	0.0	i	Sloan	1 x 1	75% cirrus
288866	Focus run	0:54:58.30	+00:46:31.2	J2000.00	1.182	180.0	20:06:09.9	10.1	i	Sloan	1 x 1	sg=2.5+ f=43.05
288867	sa92-335	0:54:58.30	+00:49:01.0	J2000.00	1.235	180.0	20:32:28.3	5.1	r	Sloan	1 x 1	saturated
288868	sa92-335	0:54:58.30	+00:49:01.0	J2000.00	1.245	180.0	20:36:44.1	2.6	r	Sloan	1 x 1	
288869	sa92-335	0:54:58.30	+00:49:01.0	J2000.00	1.247	180.0	20:37:44.0	2.6	r	Sloan	1 x 1	
288870	sa92-335	0:54:58.30	+00:49:01.0	J2000.00	1.258	180.0	20:41:45.6	5.1	i	Sloan	1 x 1	saturated
288871	sa92-335	0:54:58.29	+00:49:01.0	J2000.00	1.260	180.0	20:42:31.6	5.1	i	Sloan	1 x 1	
288872	sa92-335	0:54:58.29	+00:49:01.0	J2000.00	1.273	180.0	20:47:23.9	4.1	i	Sloan	1 x 1	saturated
288873	sa92-335	0:54:58.30	+00:49:01.0	J2000.00	1.276	180.0	20:48:13.1	4.1	i	Sloan	1 x 1	
288874	sa92-335	0:54:58.29	+00:49:01.0	J2000.00	1.283	180.0	20:50:31.4	2.6	i	Sloan	1 x 1	saturated
288875	sa92-335	0:54:58.30	+00:49:01.0	J2000.00	1.285	180.0	20:51:15.4	2.6	i	Sloan	1 x 1	
288876	sa92-335	0:54:58.29	+00:49:01.0	J2000.00	1.289	180.0	20:52:32.7	1.2	i	Sloan	1 x 1	ok - seeing 2.5
288877	sa92-335	0:54:58.29	+00:49:00.9	J2000.00	1.291	180.0	20:53:15.4	1.0	i	Sloan	1 x 1	
288878	sa92-335	0:54:58.29	+00:49:00.9	J2000.00	1.296	180.0	20:54:48.2	1.0	z	Gunn	1 x 1	
288879	sa92-335	0:54:58.29	+00:49:01.0	J2000.00	1.298	180.0	20:55:36.3	1.5	z	Gunn	1 x 1	
288880	sa92-335	0:54:58.30	+00:49:01.0	J2000.00	1.328	180.0	21:04:30.1	2.1	z	Gunn	1 x 1	
288881	sa92-335	0:54:58.30	+00:49:01.0	J2000.00	1.331	180.0	21:05:13.2	2.1	z	Gunn	1 x 1	seeing 2.8
288882	L1448-C	3:25:51.62	+30:46:00.0	J2000.00	1.001	180.0	21:18:28.4	299.3	r	Sloan	1 x 1	asp>2 - reject
288883	L1448-C	3:25:51.62	+30:45:59.9	J2000.00	1.001	180.0	21:24:09.4	300.0	r	Sloan	1 x 1	asp~1 sg=3
288884	L1448-C	3:25:51.63	+30:45:59.9	J2000.00	1.001	180.0	21:29:50.4	299.9	r	Sloan	1 x 1	asp~1 sg=3
288885	L1448-C	3:25:51.62	+30:46:00.0	J2000.00	1.001	180.0	21:35:50.9	299.4	r	Sloan	1 x 1	asp~1 sg=2.8
288886	L1448-C	3:25:51.62	+30:45:59.9	J2000.00	1.003	180.0	21:42:48.2	300.0	i	Sloan	1 x 1	asp~1 sg=3
288887	L1448-C	3:25:51.63	+30:45:59.9	J2000.00	1.004	180.0	21:48:29.6	299.9	i	Sloan	1 x 1	asp~1 sg=3.1
288888	L1448-C	3:25:51.63	+30:46:00.0	J2000.00	1.006	180.0	21:54:11.1	299.9	i	Sloan	1 x 1	asp~1 sg=3.3
288889	L1448-C	3:25:51.63	+30:45:59.9	J2000.00	1.009	180.0	21:59:52.1	299.9	i	Sloan	1 x 1	asp~1 sg=3.2
288890	L1448-C	3:25:51.62	+30:45:59.9	J2000.00	1.012	180.0	22:05:33.2	299.9	i	Sloan	1 x 1	asp~1 sg=3.2
288891	L1448-C	3:25:51.63	+30:46:00.0	J2000.00	1.016	180.0	22:11:14.6	299.9	i	Sloan	1 x 1	asp~1 sg=3.2
288892	CFHT-PL-12	3:54:05.99	+23:25:37.4	J2000.00	1.014	180.0	22:28:43.8	299.4	g	Sloan	1 x 1	asp~1 sg=3.1
288893	CFHT-PL-12	3:54:05.99	+23:25:37.4	J2000.00	1.017	180.0	22:34:25.3	299.9	g	Sloan	1 x 1	asp~1 sg=3
288894	CFHT-PL-12	3:54:06.00	+23:25:37.4	J2000.00	1.021	180.0	22:40:06.7	299.9	g	Sloan	1 x 1	asp~1 sg=3.1
288895	CFHT-PL-12	3:54:06.00	+23:25:37.5	J2000.00	1.029	180.0	22:50:02.1	299.9	U	RGO	1 x 1	asp~1 sg=3.2
288896	CFHT-PL-12	3:54:06.00	+23:25:37.4	J2000.00	1.034	180.0	22:55:43.1	299.4	U	RGO	1 x 1	asp~1 sg=3
288897	CFHT-PL-12	3:54:05.99	+23:25:37.4	J2000.00	1.040	180.0	23:01:24.6	299.9	U	RGO	1 x 1	asp~1 sg=3
288898	CFHT-PL-12	3:54:06.00	+23:25:37.5	J2000.00	1.047	180.0	23:07:07.6	299.9	U	RGO	1 x 1	asp~1 sg=3.1
288899	CFHT-PL-12	3:54:06.00	+23:25:37.4	J2000.00	1.054	180.0	23:12:49.0	299.9	U	RGO	1 x 1	asp~1 sg=2.8
288900	CFHT-PL-12	3:54:06.00	+23:25:37.5	J2000.00	1.062	180.0	23:18:30.5	299.9	U	RGO	1 x 1	asp~1 sg=2.8
288901	L1641-N	5:36:32.36	-06:20:19.0	J2000.00	1.222	180.0	23:29:10.6	299.9	r	Sloan	1 x 1	asp~1 sg=2.8
288902	L1641-N	5:36:32.36	-06:20:18.9	J2000.00	1.222	180.0	23:34:51.6	299.4	r	Sloan	1 x 1	asp~1 sg=2.7
288903	L1641-N	5:36:32.36	-06:20:19.0	J2000.00	1.222	180.0	23:40:32.6	299.9	r	Sloan	1 x 1	asp~1 sg=2.6

288904	L1641-N	5:36:32.35	-06:20:19.0	J2000.00	1.224	180.0	23:50:27.7	299.4	i	Sloan	1 x 1 asp=1.3 sg=2.8
288905	L1641-N	5:36:32.36	-06:20:19.0	J2000.00	1.227	180.0	23:56:08.7	299.9	i	Sloan	1 x 1 asp~1 sg=3
288906	L1641-N	5:36:32.36	-06:20:19.0	J2000.00	1.230	180.0	00:01:50.2	299.9	i	Sloan	1 x 1 asp~1 sg=3
288907	L1641-N	5:36:32.35	-06:20:19.0	J2000.00	1.234	180.0	00:07:31.3	299.9	i	Sloan	1 x 1 asp~1 sg=2.8
288908	L1641-N	5:36:32.36	-06:20:19.0	J2000.00	1.239	180.0	00:13:12.5	299.4	i	Sloan	1 x 1 asp~1 sg=3.2
288909	L1641-N	5:36:32.36	-06:20:18.9	J2000.00	1.245	180.0	00:18:53.7	299.9	i	Sloan	1 x 1 asp~1 sg=3.2
288910	sa98-670	6:52:11.49	-00:19:15.9	J2000.00	1.148	180.0	00:35:37.2	1.5	r	Sloan	1 x 1
288911	Focus run	6:52:11.50	-00:16:45.9	J2000.00	1.144	180.0	00:52:31.8	3.1	r	Sloan	1 x 1
288912	sa98-670	6:52:11.50	-00:14:15.9	J2000.00	1.144	180.0	01:02:49.6	1.0	r	Sloan	1 x 1 (still offset)
288913	sa98-670	6:52:11.50	-00:14:15.9	J2000.00	1.147	180.0	01:12:44.2	10.1	r	Sloan	1 x 1 =>but see std
288914	98-670	6:52:11.50	-00:19:16.0	J2000.00	1.151	180.0	01:17:45.9	100.0	r	Sloan	1 x 1 ptg recentred!
288915	sa98-670	6:52:11.50	-00:19:15.9	J2000.00	1.154	180.0	01:23:01.1	200.0	r	Sloan	1 x 1
288916	sa98-670	6:52:11.50	-00:19:16.0	J2000.00	1.157	180.0	01:27:45.4	100.0	i	Sloan	1 x 1
288917	sa98-670	6:52:11.50	-00:19:15.9	J2000.00	1.164	180.0	01:33:44.7	299.9	i	Sloan	1 x 1
288918	sa98-670	6:52:11.49	-00:19:15.9	J2000.00	1.172	180.0	01:43:16.3	99.5	z	Gunn	1 x 1
288919	sa98-670	6:52:11.50	-00:19:15.9	J2000.00	1.182	180.0	01:49:36.1	299.4	z	Gunn	1 x 1
288920	sa98-670	6:52:11.50	-00:19:15.9	J2000.00	1.191	180.0	01:56:15.3	299.9	U	RGO	1 x 1 thick cloud
288921	sa98-670	6:52:11.50	-00:19:15.9	J2000.00	1.208	180.0	02:06:12.4	299.9	U	RGO	1 x 1 thick cloud
288922	sa98-670	6:52:11.50	-00:19:16.0	J2000.00	1.217	180.0	02:12:52.5	100.0	g	Sloan	1 x 1 thick cloud
288923	sa98-670	6:52:11.50	-00:19:16.0	J2000.00	1.273	180.0	02:37:16.5	99.5	g	Sloan	1 x 1 asp~1 sg=2.8
288924	sa98-670	6:52:11.50	-00:19:16.0	J2000.00	1.291	180.0	02:42:46.4	199.9	g	Sloan	1 x 1 asp~1 sg=2.6
288925	sa98-670	6:52:11.50	-00:19:16.0	J2000.00	1.305	180.0	02:47:07.3	200.0	U	RGO	1 x 1 asp~1 sg=2.9
288926	sa98-670	6:52:11.50	-00:19:16.0	J2000.00	1.328	180.0	02:53:25.5	299.5	U	RGO	1 x 1 asp~1 sg=2.5
288927	sa101-427	9:57:26.50	-00:17:17.9	J2000.00	1.180	180.0	03:00:59.1	100.0	r	Sloan	1 x 1 asp~1 sg=2.8
288928	sa101-427	9:57:26.50	-00:17:18.0	J2000.00	1.170	180.0	03:08:13.5	299.4	r	Sloan	1 x 1 asp~1 sg=2.6
288929	sa101-427	9:57:26.50	-00:17:18.0	J2000.00	1.163	180.0	03:14:49.2	299.9	i	Sloan	1 x 1 asp~1 sg=2.4
288930	sa101-427	9:57:26.49	-00:17:18.0	J2000.00	1.153	180.0	03:26:56.2	300.0	z	Gunn	1 x 1 asp~1 sg=2.4
288931	sa101-427	9:57:26.50	-00:17:18.0	J2000.00	1.148	180.0	03:35:44.9	299.9	g	Sloan	1 x 1 asp~1 sg=2.5
288932	sa101-427	9:57:26.50	-00:17:18.0	J2000.00	1.146	180.0	03:41:46.5	299.4	U	RGO	1 x 1 asp~1 sg=2.4
288933	sa101-427	9:57:26.50	-00:17:18.0	J2000.00	1.144	180.0	03:54:43.8	300.0	U	RGO	1 x 1 asp~1 sg=2.1
288934	NGC3184	10:18:30.03	+41:27:10.8	J2000.00	1.026	180.0	04:07:31.0	299.9	r	Sloan	1 x 1 thick cloud
288935	NGC3184	10:18:30.04	+41:27:11.0	J2000.00	1.025	180.0	04:13:11.9	299.9	r	Sloan	1 x 1 thick cloud
288936	NGC3184	10:18:30.04	+41:27:10.9	J2000.00	1.025	180.0	04:18:52.9	299.9	r	Sloan	1 x 1 thick cloud