INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA)

TELESCOPE: INT
DATE: 20020108
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) 50
(2nd half) 50
DUST (0-2): (1st half) 0
(2nd half) 0
SEEING (arcsec): (1st half) 3
(2nd half) 4

DOME OPENED (UT): 18:45

METEOROLOGICAL PARAMETERS

LT	AirT	Hum%	Wspd	Gust	Wdir	Press	LocT	IntT	Mirr	LocRH	IntRH
19:00	3.4	37	13.1	17.3	192	763.8	4.0	5.4	7.0	33	30
20:00	3.3	39	20.9	23.1	139	764.4	3.6	5.1	6.6	38	33
21:00	4.1	35	17.2	22.3	137	764.7	4.6	5.4	6.2	30	28
22:00	3.3	43	25.1	27.1	118	764.5	4.0	5.2	6.0	34	31
23:00	3.5	37	31.4	40.5	145	764.5	3.8	4.9	5.7	35	31
00:00	3.6	35	31.2	33.6	162	764.9	3.9	5.0	5.8	33	30
01:00	2.4	57	34.7	38.0	152	764.7	2.5	3.8	5.6	54	48
02:00	1.4	69	45.3	47.8	148	764.0	1.7	2.8	5.0	65	60
03:00	0.6	78	49.6	51.8	145	764.1	0.8	1.8	4.2	74	69
04:00	1.3	84	61.0	67.2	146	764.1	1.9	2.0	3.8	79	75
05:00	0.4	97	40.0	42.2	158	764.3	0.7	3.7	4.1	92	72
06:00	0.4	99	49.5	51.6	150	764.1	0.7	3.2	4.6	95	79
07:00	0.9	100	53.1	58.1	144	764.2	1.1	4.0	4.7	99	78

SUNSET(UT) 18:38
EVENING TWILIGHT(UT) 19:54
MORNING TWILIGHT(UT) 06:42
SUNRISE(UT) 07:58
MOON'S QUARTER (1-4) 4
DISK % OF ILLUM. 21
DARK TIME 10:48
TWILIGHT TIME 02:32
MOONRISE(UT) 04:09
MOONSET(UT) No moonset within sunset-sunrise

TIME LOST(WEATHER): 3:00
TIME LOST(TECHNICAL): 00:00
TIME LOST(OTHER): 00:00

COMMENTS:
Medium cloud cover

seeing very poor (3 to 4 arcseconds)
Humidity increased to 90% by 4am

Run no.	Object name	RA	Dec.	Equinox	AM	PA	UT	Exp. T.	Filter	Psys Channel	Binning	Comments
288937	Flat field	22:58:00.00	+00:04:59.9	J2000.00	1.368	287.3	19:11:36.6	5.1	U	RGO	1 x 1	dome not remote
288938	Flat field	22:58:00.66	+00:05:10.0	J2000.00	1.378	287.3	19:14:03.5	4.6	U	RGO	1 x 1	again
288939	Flat field	22:58:00.66	+00:05:09.9	J2000.00	1.383	287.3	19:15:03.7	50.1	U	RGO	1 x 1	=>37-42 no good
288940	Flat field	22:58:00.00	+00:05:00.0	J2000.00	1.405	287.3	19:20:07.8	50.1	U	RGO	1 x 1	
288941	Flat field	22:58:01.99	+00:05:29.8	J2000.00	1.414	287.3	19:22:08.7	50.1	U	RGO	1 x 1	
288942	Flat field	22:58:00.00	+00:05:00.0	J2000.00	1.423	287.3	19:24:24.7	5.1	g	Sloan	1 x 1	
288943	Flat field	22:58:00.00	+00:05:00.0	J2000.00	1.477	287.3	19:35:17.9	4.5	r	Sloan	1 x 1	
288944	Flat field	22:58:00.66	+00:05:10.0	J2000.00	1.493	287.3	19:37:57.5	50.1	r	Sloan	1 x 1	counts low
288945	Flat field	22:58:00.66	+00:05:10.0	J2000.00	1.504	287.3	19:40:09.4	5.1	z	Gunn	1 x 1	
288946	Flat field	22:58:00.00	+00:04:59.9	J2000.00	1.509	287.3	19:41:08.5	4.6	z	Gunn	1 x 1	
288947	Focus run	0:54:58.29	+00:46:31.2	J2000.00	1.161	287.3	19:46:16.3	5.1	r	Sloan	1 x 1	f=44.05 sg=3+
288948	Bias frame	0:54:58.29	+00:49:01.0	J2000.00	1.176	287.3	19:57:19.7	0.0	i	Sloan	1 x 1	
288949	Bias frame	0:54:58.30	+00:49:01.0	J2000.00	1.177	287.3	19:57:58.7	0.0	i	Sloan	1 x 1	
288950	Bias frame	0:54:58.29	+00:49:01.0	J2000.00	1.178	287.3	19:58:38.8	0.0	i	Sloan	1 x 1	
288951	Bias frame	0:54:58.29	+00:49:01.0	J2000.00	1.179	287.3	19:59:17.9	0.0	i	Sloan	1 x 1	
288952	Bias frame	0:54:58.30	+00:49:01.0	J2000.00	1.180	287.3	20:00:00.9	0.0	i	Sloan	1 x 1	
288953	sa92-335	0:54:58.30	+00:44:01.0	J2000.00	1.185	287.3	20:02:26.3	10.1	r	Sloan	1 x 1	cloudy
288954	sa92-335	0:54:58.30	+00:44:00.9	J2000.00	1.205	287.3	20:14:05.7	20.1	r	Sloan	1 x 1	
288955	sa92-335	0:54:58.30	+00:44:01.0	J2000.00	1.213	287.3	20:18:21.1	10.1	i	Sloan	1 x 1	
288956	sa92-335	0:54:58.29	+00:44:01.0	J2000.00	1.215	287.3	20:19:12.1	10.1	i	Sloan	1 x 1	
288957	sa92-335	0:54:58.29	+00:44:01.0	J2000.00	1.219	287.3	20:20:47.1	50.1	i	Sloan	1 x 1	
288958	sa92-335	0:54:58.30	+00:44:00.9	J2000.00	1.223	287.3	20:22:19.4	50.1	i	Sloan	1 x 1	
288959	sa92-335	0:54:58.30	+00:44:00.9	J2000.00	1.238	287.3	20:29:04.3	50.0	z	Gunn	1 x 1	
288960	sa92-335	0:54:58.30	+00:44:01.0	J2000.00	1.242	287.3	20:30:39.4	50.1	z	Gunn	1 x 1	
288961	sa92-335	0:54:58.29	+00:44:01.0	J2000.00	1.259	287.3	20:37:29.5	49.0	g	Sloan	1 x 1	
288962	sa92-335	0:54:58.30	+00:44:01.0	J2000.00	1.263	287.3	20:39:00.6	50.1	g	Sloan	1 x 1	
288963	sa92-335	0:54:58.30	+00:44:01.0	J2000.00	1.276	287.3	20:43:28.3	50.1	U	RGO	1 x 1	
288964	sa92-335	0:54:58.30	+00:44:01.0	J2000.00	1.280	287.3	20:44:59.3	50.1	U	RGO	1 x 1	
288965	sa92-335	0:54:58.29	+00:44:01.0	J2000.00	1.305	287.3	20:52:45.9	100.0	U	RGO	1 x 1	
288966	sa92-335	0:54:58.30	+00:44:00.9	J2000.00	1.313	287.3	20:55:08.5	99.5	U	RGO	1 x 1	
288967	VIIZW031	5:17:34.67	+79:42:10.8	J2000.00	1.652	287.2	21:00:31.5	299.9	g	Sloan	1 x 1	sg=3.5
288968	VIIZW031	5:17:34.67	+79:42:11.0	J2000.00	1.646	287.2	21:06:12.9	300.1	g	Sloan	1 x 1	
288969	VIIZW031	5:17:34.66	+79:42:10.9	J2000.00	1.641	287.2	21:11:55.6	300.0	g	Sloan	1 x 1	
288971	RXJ0256.5+0006	2:57:21.13	+00:08:12.0	J2000.00	1.176	287.3	21:51:22.5	299.4	g	Sloan	1 x 1	asp~1 sg=2.8
288972	RXJ0256.5+0006	1:28:40.56	+00:04:06.0	J2000.00	1.184	287.3	21:57:03.4	299.9	g	Sloan	1 x 1	trailing-REJECT
288973	RXJ0256.5+0006	0:00:00.00	+00:00:00.0	J2000.00	1.194	287.3	22:02:44.7	300.0	g	Sloan	1 x 1	trailing-REJECT
288975	RXJ0256.5+0006	2:56:43.00	+00:08:12.0	J2000.00	1.211	287.3	22:12:25.7	300.0	g	Sloan	1 x 1	sg=3.3
288976	RXJ0256.5+0006	2:56:43.00	+00:08:12.0	J2000.00	1.222	287.3	22:18:06.7	300.0	g	Sloan	1 x 1	sg=3
288977	RXJ0256.5+0006	2:56:43.00	+00:08:11.9	J2000.00	1.243	287.3	22:27:25.1	300.0	U	RGO	1 x 1	sg=3+
288978	RXJ0256.5+0006	2:56:43.00	+00:08:11.9	J2000.00	1.257	287.3	22:33:06.2	300.0	U	RGO	1 x 1	
288979	RXJ0256.5+0006	2:56:43.00	+00:08:11.9	J2000.00	1.272	287.3	22:38:47.1	299.9	U	RGO	1 x 1	
288980	RXJ0256.5+0006	2:56:43.00	+00:08:12.0	J2000.00	1.289	287.3	22:44:28.1	299.4	U	RGO	1 x 1	
288981	RXJ0256.5+0006	2:56:43.00	+00:08:11.9	J2000.00	1.306	287.3	22:50:10.5	300.0	U	RGO	1 x 1	
288982	RXJ0256.5+0006	2:56:42.99	+00:08:11.9	J2000.00	1.325	287.3	22:55:51.7	300.0	U	RGO	1 x 1	
288983	sa95-330	3:54:30.69	+00:29:04.9	J2000.00	1.200	287.3	23:08:54.5	10.1	r	Sloan	1 x 1	cloudy
288984	sa95-330	3:54:30.70	+00:29:04.9	J2000.00	1.202	287.3	23:09:45.6	10.0	r	Sloan	1 x 1	
288985	sa95-330	3:54:30.69	+00:29:05.0	J2000.00	1.222	287.3	23:18:26.5	199.4	r	Sloan	1 x 1	saturated
288986	sa95-330	3:54:30.69	+00:29:05.1	J2000.00	1.231	287.3	23:22:27.5	199.9	r	Sloan	1 x 1	
288987	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.240	287.3	23:27:05.8	100.0	r	Sloan	1 x 1	saturated
288988	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.245	287.3	23:29:26.9	100.0	r	Sloan	1 x 1	
288989	sa95-330	3:54:30.69	+00:29:05.0	J2000.00	1.255	287.3	23:34:03.3	10.1	r	Sloan	1 x 1	330=15k sg=2.8
288990	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.257	287.3	23:34:54.5	9.5	r	Sloan	1 x 1	
288991	sa95-330	3:54:30.69	+00:29:05.0	J2000.00	1.265	287.3	23:37:46.7	10.1	i	Sloan	1 x 1	330=10k sg=2.1
288992	sa95-330	3:54:30.69	+00:29:04.9	J2000.00	1.267	287.3	23:38:41.1	10.1	i	Sloan	1 x 1	sg=1.8 ok!
288993	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.289	287.3	23:46:21.1	4.5	i	Sloan	1 x 1	
288994	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.292	287.3	23:47:09.7	5.1	i	Sloan	1 x 1	
288995	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.300	287.3	23:49:43.2	5.1	r	Sloan	1 x 1	sg=1.8

288996	sa95-330	3:54:30.70	+00:29:04.9	J2000.00	1.302	287.3	23:50:29.3	5.1	r	Sloan	1 x 1 sg=2.8
288997	sa95-330	3:54:30.70	+00:29:04.9	J2000.00	1.308	287.3	23:52:19.1	5.1	z	Gunn	1 x 1 sg=2
288998	sa95-330	3:54:30.69	+00:29:04.9	J2000.00	1.311	287.3	23:53:07.1	5.2	z	Gunn	1 x 1 sg=1.8
288999	sa95-330	3:54:30.69	+00:29:04.9	J2000.00	1.316	287.3	23:54:39.3	5.1	g	Sloan	1 x 1
289000	sa95-330	3:54:30.70	+00:29:04.9	J2000.00	1.318	287.3	23:55:25.2	5.1	g	Sloan	1 x 1 sg=2.5
289001	sa95-330	3:54:30.70	+00:29:05.0	J2000.00	1.325	287.3	23:57:19.1	9.5	g	Sloan	1 x 1
289002	sa95-330	3:54:30.70	+00:29:04.9	J2000.00	1.328	287.3	23:58:13.4	9.5	g	Sloan	1 x 1
289003	sa95-330	3:54:30.69	+00:29:04.9	J2000.00	1.333	287.3	23:59:32.4	10.1	U	RGO	1 x 1 cloudy
289004	sa95-330	3:54:30.69	+00:29:04.9	J2000.00	1.336	287.3	00:00:24.3	9.5	U	RGO	1 x 1 cloudy
289005	VIIZW031	5:17:34.66	+79:42:10.9	J2000.00	1.595	287.2	00:06:27.3	299.9	g	Sloan	1 x 1 sg=3
289006	VIIZW031	5:17:34.66	+79:42:11.0	J2000.00	1.598	287.2	00:12:12.5	299.9	g	Sloan	1 x 1
289007	VIIZW031	5:17:34.66	+79:42:11.0	J2000.00	1.600	287.2	00:17:56.4	299.9	g	Sloan	1 x 1
289008	L1641-N	5:36:32.36	-06:20:18.9	J2000.00	1.260	287.3	00:27:08.8	299.9	z	Gunn	1 x 1 sg=3
289009	L1641-N	5:36:32.36	-06:20:19.0	J2000.00	1.269	287.3	00:32:50.8	300.0	z	Gunn	1 x 1 sg=2.4
289010	L1641-N	5:36:32.36	-06:20:19.0	J2000.00	1.278	287.3	00:38:32.1	299.9	z	Gunn	1 x 1 sg=2.8
289011	L1641-N	5:36:32.36	-06:20:19.0	J2000.00	1.289	287.3	00:44:13.1	299.9	z	Gunn	1 x 1 sg=3.2
289012	L1641-N	5:36:32.36	-06:20:18.8	J2000.00	1.300	287.3	00:49:53.9	299.8	z	Gunn	1 x 1 sg=3
289013	L1641-N	5:36:32.36	-06:20:18.9	J2000.00	1.313	287.3	00:55:37.3	299.9	z	Gunn	1 x 1 sg=3.1
289014	B30731+438	7:35:35.74	+43:46:20.0	J2000.00	1.037	287.2	01:15:16.2	299.9	g	Sloan	1 x 1 sg=3+
289015	B30731+438	7:35:35.73	+43:46:20.3	J2000.00	1.036	287.2	01:20:57.9	300.0	g	Sloan	1 x 1
289016	B30731+438	7:35:35.74	+43:46:20.2	J2000.00	1.035	287.2	01:26:38.7	299.9	g	Sloan	1 x 1 sg=3.5+
289017	3C192	8:05:46.02	+24:51:49.8	J2000.00	1.004	287.2	01:46:10.2	299.9	r	Sloan	1 x 1 sg=3.3
289018	3C192	8:05:46.02	+24:51:49.9	J2000.00	1.003	287.2	01:51:51.4	299.9	r	Sloan	1 x 1
289019	3C192	8:05:46.02	+24:51:49.7	J2000.00	1.002	287.2	01:57:32.4	299.9	r	Sloan	1 x 1
289020	Focus run	9:57:26.50	-00:14:48.0	J2000.00	1.243	287.2	02:24:31.1	10.1	r	Sloan	1 x 1
289021	101-427	9:57:26.50	-00:17:17.8	J2000.00	1.228	287.2	02:29:47.6	5.1	r	Sloan	1 x 1
289022	101-427	9:57:26.50	-00:17:17.9	J2000.00	1.226	287.2	02:30:33.5	4.5	r	Sloan	1 x 1
289023	sa101-427	9:57:26.49	-00:17:18.0	J2000.00	1.208	287.2	02:39:55.1	5.0	r	Sloan	1 x 1
289024	sa101-427	9:57:26.49	-00:17:18.0	J2000.00	1.207	287.2	02:40:41.1	5.1	r	Sloan	1 x 1
289025	sa101-427	9:57:26.49	-00:17:17.4	J2000.00	1.179	287.2	02:58:57.5	5.1	r	Sloan	1 x 1
289026	sa101-427	9:57:26.50	-00:17:18.0	J2000.00	1.178	287.2	02:59:43.8	5.1	r	Sloan	1 x 1
289027	sa101-427	9:57:26.50	-00:17:18.4	J2000.00	1.160	287.2	03:16:07.5	5.1	r	Sloan	1 x 1
289028	sa101-427	9:57:26.50	-00:17:18.3	J2000.00	1.160	287.2	03:16:55.7	5.1	r	Sloan	1 x 1 sg=4
289029	sa101-427	9:57:26.49	-00:17:18.0	J2000.00	1.145	287.2	03:43:09.3	5.1	r	Sloan	1 x 1
289030	sa101-427	9:57:26.50	-00:17:18.1	J2000.00	1.145	287.2	03:43:56.8	5.1	r	Sloan	1 x 1 sg=4 humid