INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA) generated 2002 06 17 07:07

TELESCOPE	INT
DATE	20020616
OBSERVER/S	P Jones, W Yuan
PROGRAMME	XID XMM Follow-up
PROPOSAL REF	WFS3
TELESCOPE OPERATOR	none
SUPPORT ASTRONOMER	none
TEL STATION / FOCUS	Prime /
INSTRUMENT/S	WFC
SUNSET (UT)	20:19
EVENING TWILIGHT (UT)	21:46
MORNING TWILIGHT (UT)	04:39
SUNRISE (UT)	06:05
%ILLUM. LUNAR DISK	38
DARK TIME (HRS)	06:53
TWILIGHT TIME (HRS)	02:53
MOONRISE (UT)	No moonrise within sunset-sunrise
MOONSET (UT)	01:08

UT	AirT degC	Hum %	Wspd km/s	Gust km/s	Wdir deg	Press mbar	LocT degC	int.T degC	Mirr degC	LocRH %	int.RH %
21:00	14.1	21	13.8	14.6	139	770.8	14.1	15.5	15.5	21	20
22:00	13.3	23	5.6	6.2	179	771.5	13.3	15.0	15.2	23	19
23:00	13.1	21	12.3	13.2	145	772.1	13.1	14.6	14.9	21	18
00:00	13.0	23	8.6	8.8	155	772.5	13.0	14.3	14.5	23	19
01:00	12.9	22	8.4	8.6	154	772.3	12.9	14.0	14.5	22	18
02:00	12.4	27	12.2	12.9	149	771.9	12.4	13.8	14.4	27	22
03:00	12.4	28	10.8	11.1	157	771.5	12.4	13.5	14.1	28	24
04:00	12.2	28	5.2	6.1	136	771.3	12.2	13.3	14.0	28	25
05:00	12.0	30	3.6	3.7	131	771.0	12.0	13.1	14.2	30	26
06:00	11.8	30	3.1	3.4	142	771.3	11.8	12.9	14.0	30	26

TIME LOST weather	00:00
TIME LOST Technical	00:00
TIME LOST Other	00:00

WEATHER CONDITIONS (eg transparancy, dust, %cloud cover, seeing):
Clear all night, Humidity 20 to 30%, wind speed 10km/h or less, seeing 0.8-1.2

COMMENTS (causes of time lost, setup information eg CCD windows):

Run	Object	RA	Dec	Equinox	UT	Airm	Instr	Texp sec	Sky PA	Filters etc.	Slit	Grat	CenwA	Comments
306012	Bias	0:00:00.00	+00:00:00.0	A	12:44	1.528	WFC	0.0	180	Halpha				
306013	test	0:00:00.00	+00:00:00.0	A	12:49	1.528	WFC	10.1	180	r				
306014	test	5:59:59.99	+14:00:00.0	A	12:55	1.046	WFC	10.1	180	r				
306015	Bias	0:00:00.00	+00:00:00.0	A	19:31	4.588	WFC	0.0	180	Halpha				humidity~20%, windspeed~10km/h
306016	Bias	0:00:00.00	+00:00:00.0	A	19:31	4.588	WFC	0.0	180	Halpha				
306017	Bias	0:00:00.00	+00:00:00.0	A	19:32	4.588	WFC	0.0	180	Halpha				
306018	Bias	0:00:00.00	+00:00:00.0	A	19:33	4.588	WFC	0.0	180	Halpha				
306019	Bias	0:00:00.00	+00:00:00.0	A	19:34	4.588	WFC	0.0	180	Halpha				
306020	skyflat_U	15:02:00.00	+29:55:00.0	J2000.00	20:19	1.146	WFC	0.5	180	U				30000 cts mean
306021	skyflat_U	15:02:00.00	+29:55:10.3	J2000.00	20:20	1.143	WFC	0.5	180	U				24000 cts mean
306022	skyflat_U	15:01:59.99	+29:54:50.0	J2000.00	20:21	1.140	WFC	0.5	180	U				20000 cts mean
306023	skyflat_g	15:01:59.99	+29:54:59.9	J2000.00	20:23	1.136	WFC	0.5	180	g				saturated

306024	skyflat_g	15:02:00.00	+29:54:59.9	J2000.00	20:25	1.130	WFC	0.5	180	g	saturated
306025	skyflat_g	15:02:00.00	+29:55:00.0	J2000.00	20:28	1.124	WFC	0.5	180	g	40000 cts mean - too high
306026	skyflat_g	15:02:00.00	+29:54:59.9	J2000.00	20:30	1.121	WFC	0.5	180	g	30000 cts mean
306027	skyflat_g	15:02:00.00	+29:55:10.2	J2000.00	20:31	1.119	WFC	0.5	180	g	23000 cts mean
306028	skyflat_g	15:01:59.99	+29:54:50.0	J2000.00	20:32	1.115	WFC	2.1	180	g	ignore - saturated
306029	skyflat_g	15:02:00.00	+29:54:49.9	J2000.00	20:34	1.113	WFC	0.7	180	g	17000 cts mean
306030	skyflat_r	15:02:00.00	+29:54:59.9	J2000.00	20:35	1.110	WFC	2.1	180	r	18000 cts mean
306031	skyflat_r	15:01:59.99	+29:55:00.0	J2000.00	20:36	1.107	WFC	3.6	180	r	23000 cts mean - no offset
306032	skyflat_r	15:01:59.99	+29:55:09.8	J2000.00	20:38	1.105	WFC	5.1	180	r	25000 cts mean
306033	skyflat_r	15:02:00.00	+29:54:50.0	J2000.00	20:39	1.102	WFC	8.1	180	r	26000 cts mean
306034	skyflat_i	15:02:00.00	+29:54:59.9	J2000.00	20:40	1.099	WFC	12.1	180	i	31000 cts mean
306035	skyflat_i	15:01:59.99	+29:55:10.0	J2000.00	20:42	1.097	WFC	16.1	180	i	30000 cts mean
306036	skyflat_i	15:02:00.00	+29:54:50.0	J2000.00	20:43	1.094	WFC	20.1	180	i	27000 cts mean
306037	Flat field	15:02:00.00	+29:55:00.0	J2000.00	20:45	1.089	WFC	96.4	180	z	17000 cts mean
306038	Flat field	15:02:00.00	+29:54:49.9	J2000.00	20:48	1.083	WFC	197.2	180	z	15000 cts mean
306039	Flat field	15:01:59.99	+29:55:09.8	J2000.00	20:53	1.072	WFC	440.8	180	z	13000 cts mean
306040	Focus run	12:42:20.50	-00:37:58.9	J2000.00	21:12	1.185	WFC	8.1	180	i	
306041	sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:19	1.196	WFC	25.0	180	i	std=22000cts mean
306042	sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:22	1.202	WFC	30.1	180	r	std=32000cts mean
306043	sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:25	1.207	WFC	30.1	180	g	std=28000cts mean
306044	sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:27	1.211	WFC	50.1	180	U	std=4000cts mean - too low
306045	sa104-334	12:42:20.49	-00:40:29.0	J2000.00	21:30	1.221	WFC	299.9	180	U	std=17000cts mean
306046	sa104-334	12:42:20.49	-00:40:28.9	J2000.00	21:38	1.231	WFC	30.1	180	z	std=10000cts mean - too low
306047	sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:40	1.235	WFC	60.0	180	z	std=18000cts mean
306048	RXJ1242	12:42:48.69	-11:17:20.9	J2000.00	21:44	1.443	WFC	599.8	180	r	seeing=1.1 AM=1.44
306049	RXJ1200.8	12:00:58.02	-03:25:51.0	J2000.00	21:57	1.529	WFC	1199.4	180	i	seeing=1.0 AM=1.50 - high BG
306050	Mkn231	12:56:32.50	+56:54:25.3	J2000.00	22:22	1.229	WFC	1199.2	180	r	seeing=1.0 AM=1.3 - high BG
306051	QSO1345	13:47:59.98	+58:14:42.1	J2000.00	22:44	1.216	WFC	2398.8	180	z	seeing=0.9 AM=1.2
306052	RXJ1334	13:34:35.73	+50:32:53.9	J2000.00	23:27	1.257	WFC	2398.7	180	z	seeing=0.8 AM=1.25
306053	NGC5846	15:06:39.26	+01:38:20.6	J2000.00	00:10	1.274	WFC	2398.6	180	z	seeing=0.85 AM=1.27
306054	PG1407	14:09:34.99	+26:20:20.7	J2000.00	00:53	1.465	WFC	2398.6	180	z	seeing=1.1 AM=1.45
306055	PG1407	14:09:34.99	+26:20:20.7	J2000.00	01:35	1.692	WFC	1199.4	180	i	seeing=1.2 AM=1.60
306056	FieldVI	16:07:23.59	+08:06:42.0	J2000.00	02:00	1.331	WFC	1199.4	180	i	seeing=1.1 AM=1.32
306057	WR110	18:08:07.55	-19:21:56.8	J2000.00	02:23	1.551	WFC	1199.2	180	i	seeing=1.0 AM=1.4
306058	PSRB1823	18:26:23.46	-13:32:47.3	J2000.00	02:46	1.405	WFC	1199.6	180	i	seeing=1.0 AM=1.3
306059	HD209458	22:03:21.33	+18:55:03.4	J2000.00	03:15	1.167	WFC	1199.3	180	U	seeing=1.1 AM=1.14
306060	NGC7010	21:04:50.24	-12:18:18.0	J2000.00	03:38	1.358	WFC	1199.4	180	z	seeing=0.9 AM=1.30
306061	Mkn509	20:44:19.18	-10:41:15.0	J2000.00	04:00	1.295	WFC	1199.3	180	i	seeing=0.9 AM=1.29
306062	Mkn509	20:44:19.18	-10:41:14.9	J2000.00	04:22	1.296	WFC	599.5	180	r	seeing=1.1 AM=1.29
306063	NGC7469	23:03:26.12	+08:54:26.0	J2000.00	04:35	1.182	WFC	1199.5	180	i	seeing=0.9 AM=1.15
306064	sa110-361	18:42:45.00	+00:08:05.0	J2000.00	04:58	1.515	WFC	25.1	180	i	std=34000cts mean
306065	sa110-361	18:42:45.00	+00:08:05.0	J2000.00	05:00	1.527	WFC	15.1	180	r	std=38000cts mean - too high?
306066	sa110-361	18:42:44.99	+00:08:05.0	J2000.00	05:02	1.539	WFC	10.1	180	r	std=24000cts mean
306067	sa110-361	18:42:45.00	+00:08:05.0	J2000.00	05:04	1.548	WFC	15.1	180	g	std=28000cts mean
306068	sa110-361	18:42:44.99	+00:08:04.9	J2000.00	05:06	1.565	WFC	60.1	180	z	std=30000cts mean
306069	sa110-361	18:42:45.00	+00:08:05.0	J2000.00	05:10	1.600	WFC	249.9	180	U	std=19000cts mean
306070	Flat field	22:58:00.00	+00:05:00.0	J2000.00	05:28	1.173	WFC	569.7	180	z	47000cts mean - too high?
306071	Flat field	22:58:00.00	+00:04:50.0	J2000.00	05:39	1.165	WFC	83.8	180	z	27000cts mean
306072	Flat field	22:58:00.00	+00:05:09.9	J2000.00	05:41	1.163	WFC	44.7	180	z	25000cts mean
306073	Flat field	22:57:59.99	+00:05:19.9	J2000.00	05:43	1.161	WFC	32.3	180	z	29000cts mean
306074	Flat field	22:57:59.99	+00:05:00.0	J2000.00	05:45	1.159	WFC	3.8	180	i	24000cts mean
306075	Flat field	22:58:00.00	+00:05:09.9	J2000.00	05:47	1.158	WFC	3.4	180	i	30000cts mean
306076	skyflat_i	22:58:00.00	+00:04:49.9	J2000.00	05:48	1.157	WFC	1.6	180	i	22000cts mean
306077	skyflat_r	22:58:00.00	+00:05:00.0	J2000.00	05:50	1.155	WFC	1.6	180	r	23000cts mean
306078	skyflat_r	22:58:00.00	+00:05:09.9	J2000.00	05:51	1.154	WFC	1.0	180	r	20000cts mean
306079	skyflat_r	22:57:59.99	+00:04:50.1	J2000.00	05:52	1.153	WFC	0.5	180	r	15000cts mean
306080	skyflat_g	22:58:00.00	+00:05:00.0	J2000.00	05:54	1.152	WFC	0.5	180	g	33000cts mean
306081	skyflat_g	22:58:00.00	+00:05:10.0	J2000.00	05:55	1.151	WFC	0.5	180	g	40000cts mean - too high?
306082	skyflat_u	22:58:00.00	+00:04:59.9	J2000.00	05:57	1.150	WFC	1.0	180	U	15000cts mean
306083	skyflat_u	22:58:00.00	+00:05:09.9	J2000.00	05:58	1.149	WFC	0.7	180	U	14000cts mean
306084	skyflat_u	22:57:59.99	+00:04:49.7	J2000.00	05:59	1.148	WFC	0.9	180	U	35000cts mean
306085	skyflat_u	22:58:00.66	+00:04:49.9	J2000.00	06:01	1.147	WFC	0.5	180	U	17000cts mean

306086	skyflat_Ha	22:58:00.00	+00:04:59.9	J2000.00	06:03	1.146	WFC	1.0	180	Halpha	22000cts	mean
306087	skyflat_Ha	22:58:00.00	+00:05:10.0	J2000.00	06:04	1.146	WFC	0.5	180	Halpha	14000cts	mean
306088	skyflat_Ha	22:58:00.00	+00:05:09.9	J2000.00	06:05	1.145	WFC	0.5	180	Halpha	17000cts	mean
306089	skyflat_Ha	22:58:00.00	+00:04:49.9	J2000.00	06:06	1.145	WFC	0.5	180	Halpha	20000cts	mean