INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA) generated 2002 06 12 06:55

TELESCOPE	INT
DATE	20020611
OBSERVER/S	J Tedds, P Jones
PROGRAMME	XID XMM Follow-up
PROPOSAL REF	WFS3
TELESCOPE OPERATOR	C Martin
SUPPORT ASTRONOMER	none
TEL STATION / FOCUS	Prime / 43.95
INSTRUMENT/S	WFC
SUNSET (UT)	20:17
EVENING TWILIGHT (UT)	21:43
MORNING TWILIGHT (UT)	04:39
SUNRISE (UT)	06:05
%ILLUM. LUNAR DISK	1
DARK TIME (HRS)	06:56
TWILIGHT TIME (HRS)	02:52
MOONRISE (UT)	No moonrise within sunset-sunrise
MOONSET (UT)	21:02

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	13.5	19	16.0	17.1	354	772.9	13.5	16.9	16.8	19	22
22:00	14.0	15	17.8	18.9	339	773.4	14.0	15.6	16.7	15	24
23:00	15.8	11	12.6	14.9	283	773.8	15.8	16.1	16.1	11	10
00:00	15.7	13	18.9	20.5	279	774.0	15.7	16.5	16.4	13	10
01:00	14.8	11	21.4	23.3	291	773.6	14.8	15.9	16.2	11	9
02:00	14.3	11	19.2	20.3	312	773.2	14.3	15.4	15.9	11	10
03:00	14.2	16	20.6	22.1	293	772.7	14.2	15.5	16.1	16	14
04:00	13.9	15	22.4	23.7	308	772.5	13.9	15.1	16.0	15	12
05:00	13.6	12	21.6	23.5	323	772.3	13.6	14.8	15.6	12	11
06:00	13.1	13	19.0	20.4	330	772.4	13.1	14.3	15.8	13	11

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

WEATHER CONDITIONS (eg transparancy, dust, %cloud cover, seeing):
100% clear, seeing=0.8-1.1" all night

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
305570	Bias	4:10:00.00	+44:59:59.9	A	13:18	1.079	WFC	0.0	180	r				
305571	test	4:09:59.99	+44:59:59.9	A	13:27	1.089	WFC	5.1	180	r				
305572	Bias	0:00:00.00	+00:00:00.0	A	19:38	4.298	WFC	0.0	180	Halpha				
305573	Bias	0:00:00.00	+00:00:00.0	A	19:38	4.298	WFC	0.0	180	Halpha				
305574	Bias	0:00:00.00	+00:00:00.0	A	19:39	4.298	WFC	0.0	180	Halpha				
305575	Bias	0:00:00.00	+00:00:00.0	A	19:40	4.298	WFC	0.0	180	Halpha				
305576	Bias	0:00:00.00	+00:00:00.0	A	19:41	4.298	WFC	0.0	180	Halpha				
305578	skyflat_Ha	15:02:00.00	+29:55:00.0	J2000.00	20:23	1.185	WFC	1.6	180	Halpha				
305579	skyflat_Ha	15:02:00.76	+29:55:00.0	J2000.00	20:25	1.181	WFC	1.6	180	Halpha				
305580	skyflat_Ha	15:01:59.22	+29:55:10.0	J2000.00	20:27	1.176	WFC	2.6	180	Halpha				
305581	skyflat_U	15:01:59.23	+29:55:09.9	J2000.00	20:29	1.171	WFC	1.0	180	U				low counts - don’t use?
305582	skyflat_U	15:02:00.76	+29:55:00.0	J2000.00	20:31	1.164	WFC	2.1	180	U				

305583	skyflat_U	15:01:59.23	+29:55:09.9	J2000.00	20:32	1.161	WFC	3.5	180	U	
305584	skyflat_U	15:01:59.99	+29:54:59.9	J2000.00	20:34	1.157	WFC	8.1	180	U	
305585	skyflat_g	15:02:00.00	+29:55:00.0	J2000.00	20:35	1.154	WFC	2.1	180	g	
305586	skyflat_g	15:02:00.76	+29:54:59.9	J2000.00	20:37	1.151	WFC	3.1	180	g	
305587	skyflat_g	15:01:59.23	+29:55:09.9	J2000.00	20:38	1.147	WFC	3.6	180	g	
305588	skyflat_r	15:01:59.23	+29:55:09.9	J2000.00	20:40	1.143	WFC	3.1	180	r	low counts - don't use?
305589	skyflat_r	15:02:00.77	+29:55:00.0	J2000.00	20:41	1.140	WFC	13.1	180	r	
305590	Flat field	15:02:00.00	+29:54:59.9	J2000.00	20:43	1.136	WFC	19.4	180	r	
305591	Flat field	15:02:01.53	+29:54:39.9	J2000.00	20:44	1.133	WFC	28.6	180	r	
305593	Flat field	15:02:01.53	+29:54:40.0	J2000.00	20:47	1.126	WFC	49.6	180	i	
305594	Flat field	15:02:00.00	+29:54:59.9	J2000.00	20:49	1.121	WFC	79.6	180	i	
305595	Flat field	15:02:00.77	+29:55:00.0	J2000.00	20:52	1.114	WFC	132.6	180	i	
305597	Bias	12:42:20.50	-00:38:58.9	J2000.00	21:07	1.160	WFC	0.0	180	i	
305598	Focus run	12:42:20.50	-00:37:59.0	J2000.00	21:11	1.163	WFC	7.5	180	i	crash - ignore
305599	Focus run	12:42:20.50	-00:37:59.0	J2000.00	21:19	1.169	WFC	9.5	180	i	
305600	sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:32	1.188	WFC	60.1	180	i	SATURATED - don't use
305601	sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:37	1.194	WFC	30.0	180	i	seeing<1, saturated std, don't use?
305603	sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:41	1.200	WFC	10.1	180	i	seeing=0.7, std=40000 cts max
305604	sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:50	1.216	WFC	60.0	180	g	seeing=1.0, std=SATURATED - don't use
305605	sa104-334	12:42:20.50	-00:40:28.9	J2000.00	21:52	1.219	WFC	15.1	180	r	seeing=0.8, std=40000cts max
305606	Mkn421	11:04:39.73	+38:14:32.0	J2000.00	21:57	1.297	WFC	599.6	180	r	seeing=0.9, am=1.3, SSS=4300cts
305607	CL1324	13:25:01.97	+30:13:25.8	J2000.00	22:11	1.032	WFC	1199.3	180	i	seeing=0.8, am=1.03
305608	CL1324	13:25:01.97	+30:13:25.7	J2000.00	22:32	1.050	WFC	599.8	180	g	seeing=0.9, am=1.05
305609	CL1324	13:25:01.97	+30:13:25.8	J2000.00	22:44	1.066	WFC	599.8	180	r	seeing=0.75, am=1.07
305611	GROTH	14:17:28.39	+52:26:00.0	J2000.00	23:06	1.120	WFC	1199.3	180	i	seeing=0.75, am=1.1
305612	GROTH	14:17:28.39	+52:25:59.9	J2000.00	23:28	1.137	WFC	599.7	180	g	seeing=0.9, am=1.13
305613	GROTH	14:17:28.39	+52:26:00.0	J2000.00	23:39	1.150	WFC	599.2	180	r	seeing=0.8, am=1.15
305614	sa107-602	15:39:18.80	-00:15:29.9	J2000.00	23:53	1.149	WFC	0.7	180	i	seeing=0.6,std=20000cts max
305615	sa107-602	15:39:18.80	-00:15:29.7	J2000.00	23:56	1.151	WFC	10.1	180	i	saturated - don't use
305616	sa107-602	15:39:18.79	-00:15:30.0	J2000.00	23:58	1.152	WFC	20.1	180	g	saturated - don't use
305617	sa107-602	15:39:18.79	-00:15:30.0	J2000.00	00:00	1.153	WFC	1.0	180	g	seeing=0.85, am=1.15, std=11000cts max
305618	sa107-602	15:39:18.80	-00:15:30.0	J2000.00	00:02	1.155	WFC	5.1	180	g	seeing=0.8, std=54000cts max
305619	sa107-602	15:39:18.79	-00:15:29.9	J2000.00	00:05	1.157	WFC	1.0	180	r	seeing=0.7, am=1.15, std=25000cts max
305620	H1413	14:15:56.20	+11:31:43.9	J2000.00	00:09	1.225	WFC	1198.7	180	i	seeing=0.85, am=1.25
305621	H1413	14:15:56.20	+11:31:44.1	J2000.00	00:30	1.280	WFC	599.2	180	g	seeing=0.9, am=1.25
305622	H1413	14:15:56.20	+11:31:44.0	J2000.00	00:42	1.327	WFC	599.1	180	r	seeing=0.9, am=1.3
305623	NGC5846	15:06:39.26	+01:38:20.7	J2000.00	00:56	1.307	WFC	599.7	180	g	seeing=1.05, am=1.35
305624	NGC5846	15:06:39.25	+01:38:20.7	J2000.00	01:08	1.350	WFC	599.2	180	r	seeing=1.0, am=1.35
305625	SBS1542	15:44:16.40	+54:01:03.7	J2000.00	01:22	1.192	WFC	1199.4	180	i	seeing=0.9, am=1.2
305626	SBS1542	15:44:16.41	+54:01:03.6	J2000.00	01:45	1.223	WFC	599.7	180	g	seeing=0.95, am=1.22
305627	SBS1542	15:44:16.40	+54:01:03.7	J2000.00	01:57	1.246	WFC	599.7	180	r	seeing=0.8, am=1.25
305628	1RXSJ160518	16:05:30.70	+32:51:07.0	J2000.00	02:10	1.169	WFC	1199.2	180	i	seeing=0.7, am=1.2
305629	1RXSJ160518	16:05:30.70	+32:51:06.9	J2000.00	02:32	1.215	WFC	599.2	180	g	seeing=0.9, am=1.23
305630	1RXSJ160518	16:05:30.70	+32:51:06.9	J2000.00	02:44	1.255	WFC	599.8	180	r	seeing=0.85, am=1.25
305631	Mrk896	20:46:30.00	-02:46:45.9	J2000.00	03:05	1.264	WFC	599.2	180	r	seeing=0.9, am=1.27
305633	MS2053	20:56:31.79	-04:35:51.0	J2000.00	03:22	1.266	WFC	1199.3	180	i	seeing=0.9, am=1.2
305634	MS2053	20:56:31.80	-04:35:50.9	J2000.00	03:43	1.238	WFC	599.6	180	g	seeing=1.15, am=1.23
305635	MS2053	20:56:31.80	-04:35:50.8	J2000.00	03:55	1.223	WFC	599.7	180	r	seeing=0.95, am=1.25
305636	HD209458	22:03:21.34	+18:55:03.5	J2000.00	04:10	1.090	WFC	1198.9	180	i	seeing=0.9, am=1.05
305637	HD209458	22:03:21.34	+18:55:03.5	J2000.00	04:31	1.065	WFC	599.8	180	g	seeing=1.2, am=1.07
305638	HD209458	22:03:21.33	+18:55:03.5	J2000.00	04:44	1.050	WFC	599.7	180	r	seeing=1.1, am=1.09, twilight begins at end but ok
305639	EQPeg	23:32:00.63	+19:58:16.9	J2000.00	05:03	1.175	WFC	599.7	180	r	seeing=1.1, am=1.15, in early twilight - ok
305640	sa113-163	21:42:35.50	+00:16:45.9	J2000.00	05:15	1.140	WFC	29.6	180	i	seeing=0.95, am=1.15, std=15000cts max
305641	sa113-163	21:42:35.50	+00:16:45.9	J2000.00	05:19	1.139	WFC	60.0	180	i	seeing=0.95, am=1.14, std=23000cts mean
305642	sa113-163	21:42:35.49	+00:16:45.9	J2000.00	05:22	1.138	WFC	40.1	180	g	seeing=1.1, am=1.14, std=16000cts mean
305643	sa113-163	21:42:35.49	+00:16:46.0	J2000.00	05:24	1.138	WFC	30.1	180	r	seeing=1, std=10000cts mean
305644	Flat field	22:58:00.00	+00:05:00.0	J2000.00	05:29	1.207	WFC	138.9	180	i	
305645	Flat field	22:58:00.66	+00:04:59.9	J2000.00	05:33	1.202	WFC	74.7	180	i	
305646	Flat field	22:57:59.99	+00:05:09.9	J2000.00	05:35	1.198	WFC	46.5	180	i	
305647	Flat field	22:57:59.99	+00:05:10.0	J2000.00	05:37	1.195	WFC	31.7	180	r	
305648	Flat field	22:57:59.33	+00:05:00.0	J2000.00	05:39	1.192	WFC	39.8	180	r	std=satd? don't use

305649	Flat field	22:58:00.00	+00:05:00.0	J2000.00	05:40	1.190	WFC	14.3	180	r	
305650	Flat field	22:57:59.99	+00:05:10.0	J2000.00	05:42	1.187	WFC	8.5	180	r	
305651	skyflat_g	22:58:00.00	+00:05:10.0	J2000.00	05:44	1.185	WFC	5.1	180	g	
305652	skyflat_g	22:58:00.66	+00:05:09.9	J2000.00	05:45	1.183	WFC	2.1	180	g	
305653	skyflat_g	22:57:59.33	+00:05:19.9	J2000.00	05:46	1.182	WFC	1.0	180	g	sky=13000cts mean, bit low
305655	skyflat_g	22:57:59.33	+00:05:29.9	J2000.00	05:47	1.179	WFC	1.0	180	g	