INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA) generated 2002 06 15 06:51

TELESCOPE	INT
DATE	20020614
OBSERVER/S	J Tedds, P Jones, W Yuan
PROGRAMME	XID XMM Follow-up
PROPOSAL REF	WFS3
TELESCOPE OPERATOR	none
SUPPORT ASTRONOMER	none
TEL STATION / FOCUS	Prime / 43.90
INSTRUMENT/S	WFC
SUNSET (UT)	20:18
EVENING TWILIGHT (UT)	21:45
MORNING TWILIGHT (UT)	04:39
SUNRISE (UT)	06:05
%ILLUM. LUNAR DISK	18
DARK TIME (HRS)	06:54
TWILIGHT TIME (HRS)	02:53
MOONRISE (UT)	No moonrise within sunset-sunrise
MOONSET (UT)	23:44

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	9.6	37	43.9	46.8	12	772.5	9.6	12.5	14.6	37	29
22:00	9.5	34	41.1	42.3	10	772.8	9.5	11.4	13.9	34	29
23:00	9.3	38	38.3	42.1	13	772.9	9.3	11.1	13.2	38	31
00:00	8.2	46	40.6	42.9	18	772.9	8.2	10.5	12.9	46	37
01:00	8.3	42	39.2	43.0	19	772.9	8.3	10.2	12.7	42	36
02:00	8.9	38	36.4	39.9	21	772.5	8.9	10.3	12.7	38	32
03:00	9.4	36	35.9	36.9	24	772.2	9.4	10.8	12.4	36	31
04:00	8.9	35	34.5	35.8	18	771.8	8.9	10.9	12.2	35	29
05:00	8.6	31	35.7	37.3	11	771.3	8.6	10.3	12.6	31	27
06:00	8.1	36	35.8	37.9	3	771.3	8.1	10.1	11.9	36	30

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, seeing 1.1 - 1.9, humidity~35%

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
305833	Bias	4:15:00.00	+79:59:59.9	A	13:01	1.610	WFC	0.0	180	r				
305834	TEST	4:15:00.00	+80:00:00.0	A	13:04	1.612	WFC	8.1	180	r				
305835	Bias	0:00:00.00	+00:00:00.0	A	19:24	4.282	WFC	0.0	180	Halpha				humidity~30%, wind speed ~ 40km/h
305836	Bias	0:00:00.00	+00:00:00.0	A	19:24	4.282	WFC	0.0	180	Halpha				
305837	Bias	0:00:00.00	+00:00:00.0	A	19:25	4.282	WFC	0.0	180	Halpha				
305838	Bias	0:00:00.00	+00:00:00.0	A	19:26	4.282	WFC	0.0	180	Halpha				
305839	Bias	0:00:00.00	+00:00:00.0	A	19:26	4.282	WFC	0.0	180	Halpha				
305840	skyflat_ha	15:02:00.00	+29:54:59.9	J2000.00	20:08	1.195	WFC	4.6	180	Halpha				Satd
305841	skyflat_ha	15:02:00.00	+29:54:59.9	J2000.00	20:10	1.191	WFC	0.4	180	Halpha				sSATD -- donot use?sSATD -- donot use?sSATD -- donot use?
305842	skyflat_ha	15:02:00.00	+29:54:59.9	J2000.00	20:18	1.169	WFC	5.1	180	Halpha				sSATD -- donot use?sSATD -- donot use?sSATD -- donot use?

305843	skyflat_ha	15:02:00.00	+29:55:00.0	J2000.00	20:19	1.165	WFC	1.0	180	Halpha	21000cts
305844	skyflat_ha	15:02:00.77	+29:55:00.0	J2000.00	20:21	1.161	WFC	1.6	180	Halpha	23000cts
305845	skyflat_ha	15:02:00.00	+29:54:50.0	J2000.00	20:23	1.154	WFC	3.1	180	Halpha	28000cts
305846	skyflat_ha	15:01:59.99	+29:54:50.0	J2000.00	20:25	1.150	WFC	10.1	180	U	Satd - don’t use
305847	skyflat_U	15:02:00.00	+29:55:00.0	J2000.00	20:26	1.147	WFC	1.0	180	U	14500cts
305848	skyflat_U	15:01:59.99	+29:55:10.0	J2000.00	20:28	1.143	WFC	2.1	180	U	22000cts
305849	skyflat_U	15:02:00.00	+29:54:49.9	J2000.00	20:29	1.141	WFC	2.6	180	U	21000cts
305850	skyflat_g	15:02:00.00	+29:54:59.9	J2000.00	20:31	1.137	WFC	1.6	180	g	Satd - don’t use
305851	skyflat_g	15:02:00.00	+29:55:00.0	J2000.00	20:32	1.133	WFC	1.5	180	g	37000cts
305852	skyflat_g	15:02:00.00	+29:55:09.9	J2000.00	20:34	1.129	WFC	1.0	180	g	18000cts
305853	skyflat_g	15:02:00.00	+29:54:49.9	J2000.00	20:35	1.127	WFC	1.6	180	g	21000cts
305854	skyflat_r	15:02:00.00	+29:55:00.0	J2000.00	20:37	1.123	WFC	1.6	180	r	7000cts - counts too low
305855	skyflat_r	15:01:59.99	+29:55:00.0	J2000.00	20:38	1.120	WFC	3.1	180	r	10000cts - counts too low
305856	skyflat_r	15:02:00.00	+29:55:00.0	J2000.00	20:39	1.117	WFC	8.1	180	r	18000cts
305858	Flat field	15:02:00.00	+29:55:09.9	J2000.00	20:41	1.114	WFC	14.8	180	r	21000cts
305859	Flat field	15:02:00.00	+29:54:50.0	J2000.00	20:42	1.110	WFC	23.3	180	r	21000cts
305861	Flat field	15:02:00.00	+29:55:00.0	J2000.00	20:44	1.107	WFC	29.7	180	Unknown	probably i, but redo AM
305862	Flat field	15:02:00.00	+29:55:10.0	J2000.00	20:46	1.103	WFC	45.9	180	Unknown	probably i, but redo AM
305863	Flat field	15:01:59.99	+29:54:50.0	J2000.00	20:48	1.099	WFC	69.5	180	Unknown	probably i, but redo AM
305867	Focus run	12:42:20.50	-00:37:58.8	J2000.00	21:14	1.177	WFC	8.1	180	i	
305868	sa104-334	12:42:20.49	-00:40:29.0	J2000.00	21:25	1.194	WFC	40.1	180	i	seeing=1.4 am=1.21 std=16500cts mean
305869	sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:28	1.200	WFC	80.0	180	i	seeing=1.35 am=1.21 std=40000cts mean (satd)
305870	sa104-334	12:42:20.49	-00:40:28.9	J2000.00	21:32	1.206	WFC	80.0	180	r	seeing=1.55 am=1.21 std=49000cts mean
305871	sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:36	1.214	WFC	140.0	180	g	seeing=1.5 am=1.22 std=58000cts mean
305872	sa104-334	12:42:20.49	-00:40:28.9	J2000.00	21:41	1.224	WFC	138.7	180	U	seeing=2.2 am=1.22 std=5000cts mean
305873	PG1115	11:18:26.99	+07:47:59.4	J2000.00	21:49	1.480	WFC	1199.4	180	i	seeing=1.6 am=1.47
305875	DPLeo	11:17:26.50	+17:59:41.0	J2000.00	22:16	1.487	WFC	599.2	180	r	seeing=1.75 am=1.5
305877	NGC4494	12:31:34.60	+25:48:31.9	J2000.00	22:33	1.203	WFC	1199.5	180	i	seeing=1.2 am=1.13
305878	NGC4494	12:31:34.59	+25:48:32.0	J2000.00	22:54	1.259	WFC	599.8	180	g	seeing=1.7 am=1.22
305879	NGC4494	12:31:34.60	+25:48:31.9	J2000.00	23:06	1.306	WFC	599.7	180	r	seeing=1.75 am=1.26
305880	RXJ1334	13:34:35.73	+50:32:53.9	J2000.00	23:21	1.203	WFC	1199.3	180	i	seeing=1.2 am=1.20
305881	RXJ1334	13:34:35.73	+50:32:54.0	J2000.00	23:45	1.244	WFC	599.1	180	g	seeing=1.7 am=1.22
305882	NGC5548	14:18:10.55	+25:10:12.0	J2000.00	00:00	1.151	WFC	1199.4	180	i	seeing=1.2 am=1.13
305883	PG1407	14:09:34.99	+26:20:20.7	J2000.00	00:23	1.242	WFC	1199.4	180	i	seeing=1.25 am=1.2
305884	MKW9	15:32:39.28	+04:42:54.5	J2000.00	00:47	1.216	WFC	1199.5	180	i	seeing=1.85 am=1.21
305885	FieldVI	16:07:23.59	+08:06:41.9	J2000.00	01:09	1.157	WFC	1199.4	180	i	seeing=1.9 am=1.18
305886	McN-H1	16:16:38.93	+12:14:22.1	J2000.00	01:34	1.157	WFC	1199.3	180	i	seeing=1.6 am=1.17
305888	McN-H2	16:17:12.34	+12:26:18.1	J2000.00	01:57	1.215	WFC	1199.4	180	i	seeing=1.3 am=1.22
305889	McN-H3	16:17:47.25	+12:38:57.5	J2000.00	02:19	1.287	WFC	1199.4	180	i	seeing=1.2 am=1.25
305890	NGC6240	16:53:08.61	+02:26:03.8	J2000.00	02:44	1.344	WFC	599.7	180	g	seeing=1.65 am=1.27
305891	FieldIV	17:26:15.81	+02:21:26.0	J2000.00	03:02	1.310	WFC	1199.3	180	z	seeing=1.5 am=1.33
305892	nps_pos1	16:54:10.22	+14:20:00.0	J2000.00	03:26	1.409	WFC	1199.5	180	z	seeing=1.3 am=1.43
305893	A2390	21:53:47.50	+17:43:45.0	J2000.00	03:49	1.094	WFC	1199.4	180	z	seeing=1.1 am=1.13
305894	HD209458	22:03:21.34	+18:55:03.4	J2000.00	04:12	1.068	WFC	1199.3	180	z	seeing=1.2 am=1.07
305895	sa110-361	18:42:44.99	+00:08:04.9	J2000.00	04:36	1.373	WFC	60.1	180	z	seeing= 1.6 am = 1.4, std = 21000 mean
305897	sa110-361	18:42:44.99	+00:08:05.0	J2000.00	04:44	1.407	WFC	100.0	180	i	std saturated
305898	sa110-361	18:42:45.00	+00:08:04.9	J2000.00	04:48	1.426	WFC	80.1	180	i	std saturated
305899	sa110-361	18:42:45.00	+00:08:04.9	J2000.00	04:52	1.441	WFC	40.1	180	i	am 1.46 std saturated
305900	sa110-361	18:42:45.00	+00:08:05.0	J2000.00	04:55	1.454	WFC	10.1	180	i	seeing=1.8 am=1.46 std=12000cts mean
305901	sa110-361	18:42:44.99	+00:08:05.0	J2000.00	04:57	1.464	WFC	20.0	180	r	seeing=1.7 am=1.47 std=3400cts mean
305902	sa110-361	18:42:45.00	+00:08:05.0	J2000.00	04:59	1.476	WFC	20.0	180	g	seeing=2.1 am=1.49 std=17500cts mean
305903	sa110-361	18:42:45.00	+00:08:05.0	J2000.00	05:01	1.489	WFC	40.1	180	U	am=1.50 std=5000cts mean - too low
305904	sa110-361	18:42:45.00	+00:08:05.0	J2000.00	05:03	1.506	WFC	160.0	180	U	seeing=2.2 am=1.54 std=10000cts mean
305905	sa110-361	18:42:44.99	+00:08:05.0	J2000.00	05:15	1.589	WFC	399.9	180	U	seeing=2.45 am=1.58 std=26000cts mean
305906	skyflat_z	22:58:00.00	+00:04:59.9	J2000.00	05:29	1.187	WFC	200.0	180	z	11500 counts
305908	Flat field	22:57:59.99	+00:05:09.9	J2000.00	05:34	1.178	WFC	258.2	180	z	35000 counts
305910	Flat field	22:58:00.66	+00:05:09.9	J2000.00	05:41	1.172	WFC	68.4	180	z	27500 counts
305911	Flat field	22:58:00.66	+00:04:49.9	J2000.00	05:43	1.170	WFC	34.3	180	z	25000 counts
305912	Flat field	22:57:59.99	+00:05:00.0	J2000.00	05:45	1.168	WFC	10.1	180	i	50000 counts
305914	Flat field	22:57:59.99	+00:05:00.0	J2000.00	05:46	1.166	WFC	4.1	180	i	32000 counts
305916	Flat field	22:58:00.00	+00:04:59.8	J2000.00	05:48	1.165	WFC	0.5	180	i	saturated