INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA) generated 2002 06 16 07:07

TELESCOPE	INT
DATE	20020615
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 / 44.00
INSTRUMENT/S	WFC
SUNSET (UT)	20:19
EVENING TWILIGHT (UT)	21:45
MORNING TWILIGHT (UT)	04:39
SUNRISE (UT)	06:05
%ILLUM. LUNAR DISK	28
DARK TIME (HRS)	06:54
TWILIGHT TIME (HRS)	02:52
MOONRISE (UT)	No moonrise within sunset-sunrise
MOONSET (UT)	00:29

UT	AirT	Hum	Wspd	Gust	Wdir	Press	LocT	int.T	Mirr	LocRH	int.RH
	degC	%	km/s	km/s	deg	mbar	degC	degC	degC	%	%
21:00	10.9	52	22.5	24.8	19	771.7	10.9	13.6	14.4	52	42
22:00	10.7	50	29.7	32.4	26	771.9	10.7	12.4	14.0	50	42
23:00	10.5	58	25.0	31.8	45	771.9	10.5	12.0	13.7	58	50
00:00	10.7	60	23.9	34.4	13	772.3	10.7	12.2	13.2	60	51
01:00	10.1	65	32.6	35.7	31	771.9	10.1	11.9	13.3	65	55
02:00	10.2	60	22.9	28.8	30	771.3	10.2	11.5	13.2	60	52
03:00	10.0	60	28.4	31.1	23	771.1	10.0	11.9	13.0	60	50
04:00	10.0	60	30.1	32.7	10	770.7	10.0	11.3	12.8	60	53
05:00	10.5	60	28.9	31.0	13	770.5	10.5	11.7	13.2	60	52
06:00	10.9	56	30.1	32.0	11	770.5	10.9	12.0	12.9	56	50

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 0.9-1.9, humidity 50% -60%4

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

Run	Object	RA	Dec	Equinox	UT	Airm	Instr	Texp	Sky	Filters	Slit	Grat	CenwA	Comments
								sec	PA	etc.				
305919	Bias	0:00:00.00	+00:00:00.0	A	19:31	4.613	WFC	0.0	180	Halpha				humidity50% and rising, windspeed25km/h
305920	Bias	0:00:00.00	+00:00:00.0	A	19:32	4.613	WFC	0.0	180	Halpha				
305921	Bias	0:00:00.00	+00:00:00.0	A	19:33	4.613	WFC	0.0	180	Halpha				
305922	Bias	0:00:00.00	+00:00:00.0	A	19:34	4.613	WFC	0.0	180	Halpha				
305923	Bias	0:00:00.00	+00:00:00.0	A	19:34	4.613	WFC	0.0	180	Halpha				
305924	skyflat_Ha	15:02:00.00	+29:55:00.0	J2000.00	20:17	1.159	WFC	1.0	180	Halpha				40000 cts mean - too high?
305925	skyflat_Ha	15:01:59.99	+29:54:59.9	J2000.00	20:19	1.154	WFC	1.1	180	Halpha				29000 cts mean
305926	skyflat_Ha	15:02:00.77	+29:55:00.0	J2000.00	20:21	1.151	WFC	1.6	180	Halpha				33000 cts mean
305927	skyflat_Ha	15:02:00.76	+29:55:09.7	J2000.00	20:22	1.148	WFC	2.1	180	Halpha				35000 cts mean
305928	skyflat_U	15:02:00.00	+29:54:59.9	J2000.00	20:23	1.145	WFC	1.0	180	U				25000 cts mean
305929	skyflat_U	15:02:00.77	+29:55:00.0	J2000.00	20:24	1.142	WFC	1.9	180	U				40000 cts mean - too high?
305930	skyflat_U	15:02:00.76	+29:55:00.0	J2000.00	20:26	1.138	WFC	1.6	180	U				24000 cts mean

305931	skyflat_U	15:02:00.76	+29:54:49.9	J2000.00	20:27	1.136	WFC	2.0	180	U	24000 cts mean
305932	skyflat_g	15:02:00.00	+29:55:00.0	J2000.00	20:29	1.131	WFC	1.0	180	g	60000 cts mean - too high?
305933	skyflat_g	15:02:00.00	+29:55:00.0	J2000.00	20:30	1.128	WFC	0.8	180	g	34000 cts mean
305934	skyflat_g	15:02:00.00	+29:55:10.0	J2000.00	20:32	1.124	WFC	0.7	180	g	22000 cts mean
305935	skyflat_g	15:01:59.99	+29:54:49.9	J2000.00	20:33	1.122	WFC	1.0	180	g	23000 cts mean
305936	Flat field	15:02:00.00	+29:55:00.0	J2000.00	20:36	1.117	WFC	3.4	180	r	25000 cts mean
305937	Flat field	15:02:00.00	+29:55:09.9	J2000.00	20:37	1.114	WFC	8.5	180	r	44000 cts mean - too high?
305938	Flat field	15:02:00.00	+29:55:10.0	J2000.00	20:38	1.111	WFC	6.5	180	r	24000 cts mean
305940	Flat field	15:02:00.00	+29:54:50.0	J2000.00	20:42	1.105	WFC	13.8	180	r	21000 cts mean
305941	Flat field	15:01:59.99	+29:54:59.9	J2000.00	20:43	1.101	WFC	17.5	180	i	23000 cts mean
305942	Flat field	15:01:59.99	+29:55:09.8	J2000.00	20:45	1.098	WFC	27.1	180	i	25000 cts mean
305943	Flat field	15:02:00.00	+29:54:49.9	J2000.00	20:46	1.095	WFC	37.0	180	i	23000 cts mean
305944	Flat field	15:02:00.00	+29:55:00.0	J2000.00	20:49	1.088	WFC	235.0	180	z	15000 cts mean
305945	Flat field	15:02:00.00	+29:55:10.0	J2000.00	20:54	1.073	WFC	635.0	180	z	11000 cts mean - too low?
305946	Focus run	9:57:26.49	-00:14:47.8	J2000.00	21:24	2.128	WFC	8.1	180	i	Don't use - went to wrong object
305947	Focus run	12:42:20.49	-00:37:58.8	J2000.00	21:40	1.224	WFC	8.1	180	i	.
305948	JXJ1242	12:42:48.70	-11:17:21.0	J2000.00	21:49	1.463	WFC	1199.3	180	i	seeing=1.7 AM=1.48
305949	QSO1345	13:47:59.98	+58:14:42.1	J2000.00	22:14	1.167	WFC	599.7	180	g	seeing 1.3 AM=1.16
305950	B21128	11:31:21.09	+31:16:06.9	J2000.00	22:29	1.404	WFC	599.1	180	g	seeing=1.8 AM=1.39
305953	MKN231	12:56:32.50	+56:54:25.3	J2000.00	22:50	1.275	WFC	1199.3	180	i	seeing=1.2 AM=1.26
305954	MKN231	12:56:32.50	+56:54:25.3	J2000.00	23:13	1.314	WFC	599.7	180	g	seeing=1.25 AM=1.30
305955	NGC5322	13:49:35.31	+60:13:26.2	J2000.00	23:32	1.286	WFC	1199.4	180	i	seeing=1.1 AM=1.26
305956	PG1440	14:42:19.77	+35:28:22.7	J2000.00	23:56	1.095	WFC	1199.4	180	i	seeing=1.1 AM=1.08
305957	sa107-602	15:39:18.80	-00:15:30.0	J2000.00	00:20	1.193	WFC	40.0	180	i	seeing=1.1 std=56500 mean - too high
305958	sa107-602	15:39:18.80	-00:15:29.9	J2000.00	00:23	1.198	WFC	25.1	180	i	seeing=1.1 AM=1.20 std=25000 mean
305959	sa107-602	15:39:18.80	-00:15:29.8	J2000.00	00:26	1.202	WFC	25.1	180	r	seeing=1.1 std=57000 mean - too high
305960	sa107-602	15:39:18.80	-00:15:30.0	J2000.00	00:27	1.204	WFC	10.1	180	r	seeing=1.1 AM=1.20 std=18000 mean
305961	sa107-602	15:39:18.80	-00:15:29.8	J2000.00	00:29	1.207	WFC	10.1	180	g	seeing=1.1 AM=1.21 std=18000 mean
305962	sa107-602	15:39:18.80	-00:15:29.9	J2000.00	00:31	1.211	WFC	25.1	180	U	seeing=1.35 std=3000 mean - too low
305963	sa107-602	15:39:18.80	-00:15:30.0	J2000.00	00:33	1.219	WFC	249.9	180	U	seeing=1.4 AM=1.23 std=18000 mean
305964	sa107-602	15:39:18.80	-00:15:30.0	J2000.00	00:39	1.228	WFC	30.1	180	z	seeing=1.3 AM=1.23 std=15000 mean
305965	fieldVI	16:07:23.60	+08:06:42.1	J2000.00	00:43	1.111	WFC	599.8	180	g	seeing=1.3 AM=1.12
305966	fieldVI	16:07:23.60	+08:06:41.9	J2000.00	00:55	1.128	WFC	599.8	180	r	seeing=1.2 AM=1.13
305967	McN-H1	16:16:38.92	+12:14:22.0	J2000.00	01:07	1.104	WFC	599.7	180	g	seeing=1.15 AM=1.11
305968	McN-H1	16:16:38.93	+12:14:22.0	J2000.00	01:19	1.124	WFC	599.7	180	r	seeing=1.1 AM=1.12
305969	McN-H2	16:17:12.34	+12:26:18.1	J2000.00	01:31	1.147	WFC	599.7	180	g	seeing=1.2 AM=1.14
305970	McN-H2	16:17:12.34	+12:26:18.1	J2000.00	01:43	1.173	WFC	599.7	180	r	seeing=1.15 AM=1.17
305971	McN-H3	16:17:47.25	+12:38:57.6	J2000.00	01:56	1.204	WFC	599.7	180	g	seeing=1.6 AM=1.20
305972	McN-H3	16:17:47.25	+12:38:57.7	J2000.00	02:09	1.245	WFC	599.5	180	r	seeing=1.1 AM=1.23
305973	NGC6240	16:53:08.60	+02:26:04.0	J2000.00	02:24	1.287	WFC	599.8	180	g	seeing=1.15 AM=1.26
305974	PG1630+377	16:32:13.72	+37:39:49.9	J2000.00	02:38	1.215	WFC	1199.5	180	z	seeing=1.1 AM=1.22
305975	PG1630+377	16:32:13.73	+37:39:50.0	J2000.00	03:00	1.286	WFC	1199.4	180	U	seeing=1.25 AM=1.27
305976	CL1604	16:04:33.19	+43:06:33.9	J2000.00	03:25	1.517	WFC	1199.4	180	z	seeing=0.9 AM=1.5
305977	3C449	22:31:33.55	+39:23:30.1	J2000.00	03:50	1.132	WFC	1199.4	180	i	seeing=0.95 AM=1.13
305978	3C449	22:31:33.55	+39:23:30.0	J2000.00	04:11	1.102	WFC	599.8	180	g	seeing=1.1 AM=1.1
305979	sa110-361	18:42:45.00	+00:08:04.9	J2000.00	04:25	1.343	WFC	20.1	180	i	std=23000cts mean
305980	sa110-361	18:42:44.99	+00:08:05.0	J2000.00	04:29	1.357	WFC	16.1	180	r	std=26000cts mean
305981	sa110-361	18:42:44.99	+00:08:05.0	J2000.00	04:31	1.366	WFC	23.1	180	g	std=30000cts mean
305982	sa110-361	18:42:45.00	+00:08:04.9	J2000.00	04:33	1.376	WFC	65.0	180	z	std=28000cts mean
305984	sa110-361	18:42:45.00	+00:08:04.9	J2000.00	04:37	1.401	WFC	279.4	180	U	std=23000cts mean
305985	3C449	22:31:33.55	+39:23:30.0	J2000.00	04:46	1.056	WFC	599.8	180	r	seeing=1.1 AM=1.04
305989	Mkn509	20:44:19.17	-10:41:15.0	J2000.00	05:12	1.343	WFC	599.7	180	g	seeing=1.8 AM=1.1.3
305990	skyflat_z	22:58:00.00	+00:04:59.9	J2000.00	05:27	1.182	WFC	399.9	180	z	22000cts mean
305991	Flat field	22:58:00.00	+00:05:10.1	J2000.00	05:36	1.173	WFC	157.2	180	z	30000cts mean
305992	Flat field	22:58:00.00	+00:04:49.9	J2000.00	05:39	1.169	WFC	70.0	180	z	26000cts mean
305993	Flat field	22:57:59.99	+00:04:59.9	J2000.00	05:42	1.167	WFC	9.9	180	i	28000cts mean
305994	Flat field	22:57:59.99	+00:05:09.8	J2000.00	05:43	1.165	WFC	7.6	180	i	27000cts mean
305995	Flat field	22:58:00.00	+00:04:50.0	J2000.00	05:45	1.164	WFC	4.6	180	i	24000cts mean
305996	Flat field	22:57:59.99	+00:04:59.9	J2000.00	05:46	1.162	WFC	4.6	180	r	27000cts mean
305997	Flat field	22:58:00.00	+00:05:09.8	J2000.00	05:47	1.161	WFC	4.5	180	r	35000cts mean
305998	skyflat_r	22:57:59.99	+00:04:49.9	J2000.00	05:49	1.160	WFC	0.7	180	r	9500cts mean - bit low
305999	skyflat_r	22:57:59.99	+00:04:59.8	J2000.00	05:50	1.158	WFC	0.8	180	r	14500cts mean

306000	skyflat_g	22:58:00.00	+00:05:00.0	J2000.00	05:52	1.157	WFC	1.0	180	g	40000cts mean
306001	skyflat_g	22:58:00.00	+00:05:10.1	J2000.00	05:53	1.156	WFC	0.5	180	g	27000cts mean
306002	skyflat_g	22:58:00.00	+00:04:50.0	J2000.00	05:54	1.155	WFC	0.5	180	g	35000cts mean
306003	skyflat_u	22:58:00.00	+00:04:59.9	J2000.00	05:56	1.154	WFC	0.5	180	U	7500cts mean - bit low
306004	skyflat_u	22:57:59.99	+00:04:50.0	J2000.00	05:57	1.153	WFC	0.5	180	U	9000cts mean - bit low
306005	skyflat_u	22:57:59.99	+00:05:10.0	J2000.00	05:58	1.152	WFC	1.5	180	U	30000cts mean
306006	skyflat_u	22:58:01.33	+00:05:09.9	J2000.00	06:00	1.150	WFC	0.8	180	U	22000cts mean
306007	skyflat_u	22:58:01.33	+00:04:59.9	J2000.00	06:01	1.150	WFC	0.5	180	U	17000cts mean
306008	skyflat_Ha	22:57:59.99	+00:05:00.0	J2000.00	06:02	1.149	WFC	0.5	180	Halpha	12000cts mean - bit low
306009	skyflat_Ha	22:58:00.00	+00:05:10.3	J2000.00	06:03	1.148	WFC	0.5	180	Halpha	14000cts mean - bit low
306010	skyflat_Ha	22:57:59.99	+00:04:50.0	J2000.00	06:05	1.147	WFC	0.5	180	Halpha	17000cts mean
306011	skyflat_Ha	22:58:00.00	+00:04:40.1	J2000.00	06:06	1.147	WFC	0.5	180	Halpha	21000cts mean