INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA) generated 2002 06 14 06:58

TELESCOPE	INT
DATE	20020613
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 / 43.95
INSTRUMENT/S	WFC
SUNSET (UT)	20:18
EVENING TWILIGHT (UT)	21:44
MORNING TWILIGHT (UT)	04:39
SUNRISE (UT)	06:05
%ILLUM. LUNAR DISK	10
DARK TIME (HRS)	06:55
TWILIGHT TIME (HRS)	02:52
MOONRISE (UT)	No moonrise within sunset-sunrise
MOONSET (UT)	22:54

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	10.5	31	30.0	33.4	326	772.1	10.5	13.0	15.9	31	25
22:00	#	#	#	#	#	#	#	11.8	15.5	#	34
23:00	8.8	50	37.9	42.2	316	772.4	8.8	11.9	13.5	50	38
00:00	8.7	50	42.8	45.9	322	772.5	8.7	11.0	14.0	50	42
01:00	8.9	49	43.9	47.5	333	772.5	8.9	11.3	14.1	49	40
02:00	9.1	45	42.2	45.6	333	772.0	9.1	10.9	13.3	45	39
03:00	9.1	46	39.1	43.7	2	771.7	9.1	11.1	12.8	46	39
04:00	9.1	48	36.4	41.5	356	771.3	9.1	10.9	13.5	48	41
05:00	9.5	44	37.4	41.5	0	771.5	9.5	11.0	13.8	44	38
06:00	10.1	38	35.9	37.6	6	771.3	10.1	10.6	13.5	38	38

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 =1.2-2 av 1.5, humidity=40%

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
305745	Bias frame	5:59:59.99	+84:59:59.9	A	12:58	1.800	WFC	0.0	180	U				
305746	Bias frame	4:00:00.00	+45:00:00.0	A	13:31	1.118	WFC	0.0	180	U				
305747	TEST	4:00:00.00	+45:00:00.0	A	13:34	1.123	WFC	5.1	180	r				
305748	Bias	0:00:00.00	+00:00:00.0	A	19:27	4.302	WFC	0.0	180	Halpha				
305749	Bias	0:00:00.00	+00:00:00.0	A	19:28	4.302	WFC	0.0	180	Halpha				
305750	Bias	0:00:00.00	+00:00:00.0	A	19:28	4.302	WFC	0.0	180	Halpha				
305751	Bias	0:00:00.00	+00:00:00.0	A	19:29	4.302	WFC	0.0	180	Halpha				
305752	Bias	0:00:00.00	+00:00:00.0	A	19:30	4.302	WFC	0.0	180	Halpha				
305753	skyflat_Ha	15:02:00.00	+29:55:00.6	J2000.00	20:28	1.151	WFC	1.0	180	Halpha				3700 cts - don’t use?
305754	skyflat_Ha	15:02:00.76	+29:55:00.0	J2000.00	20:31	1.145	WFC	10.1	180	Halpha				13500 cts
305755	skyflat_Ha	15:01:59.99	+29:55:10.1	J2000.00	20:32	1.142	WFC	20.1	180	Halpha				18000 cts
305756	skyflat_Ha	15:01:59.23	+29:54:50.1	J2000.00	20:34	1.138	WFC	32.1	180	Halpha				19000 cts

305757	skyflat_U	15:01:59.23	+29:54:50.0	J2000.00	20:36	1.134	WFC	5.1	180	U	9000 cts
305758	skyflat_U	15:01:59.99	+29:55:00.0	J2000.00	20:37	1.131	WFC	15.1	180	U	18000 cts
305759	skyflat_U	15:01:59.23	+29:54:49.9	J2000.00	20:38	1.127	WFC	25.1	180	U	21000 cts
305760	skyflat_g	15:01:59.22	+29:54:49.6	J2000.00	20:40	1.124	WFC	15.1	180	g	SATD - don't use
305761	skyflat_g	15:02:00.00	+29:55:00.0	J2000.00	20:42	1.121	WFC	8.6	180	g	19000 cts
305763	skyflat_g	15:01:58.46	+29:55:19.9	J2000.00	20:43	1.117	WFC	14.1	180	g	20000 cts
305764	skyflat_g	15:02:01.53	+29:54:40.0	J2000.00	20:45	1.114	WFC	20.1	180	g	20000 cts
305765	Flat field	15:02:01.53	+29:54:39.9	J2000.00	20:47	1.109	WFC	69.2	180	r	20000 cts
305766	Flat field	15:02:00.00	+29:54:59.9	J2000.00	20:49	1.104	WFC	115.1	180	r	18000 cts
305767	Flat field	15:02:00.77	+29:55:09.6	J2000.00	20:52	1.096	WFC	207.7	180	r	17000 cts
305768	Flat field	15:02:00.76	+29:55:09.6	J2000.00	20:57	1.087	WFC	304.7	180	i	17000 cts
305771	Focus run	12:42:20.50	-00:37:58.8	J2000.00	21:24	1.185	WFC	8.1	180	i	focus=43.95, humidity=40% and increasing
305772	sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:33	1.200	WFC	20.1	180	i	seeing=1.5, am=1.2, std=9000 cts mean
305773	sa104-334	12:42:20.49	-00:40:28.9	J2000.00	21:38	1.208	WFC	40.1	180	i	seeing=1.5, am=1.2, std=20000 cts mean
305774	sa104-334	12:42:20.49	-00:40:29.0	J2000.00	21:40	1.212	WFC	40.1	180	r	seeing=1.65, std=21000cts mean
305775	sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:43	1.220	WFC	100.0	180	g	seeing=1.75, am=1.23, std=44000cts
305776	sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:49	1.231	WFC	100.0	180	U	seeing=2.05, am=1.24, std=4500cts
305777	sa104-334	12:42:20.50	-00:40:29.0	J2000.00	21:52	1.239	WFC	160.0	180	Halpha	seeing=1.55, am=1.25, std=7000cts
305778	IC0883	13:20:47.38	+34:10:22.8	J2000.00	22:06	1.042	WFC	1199.4	180	i	seeing=1.4, am=1.05,
305779	IC0883	13:20:47.37	+34:10:22.6	J2000.00	22:28	1.062	WFC	599.7	180	g	seeing=1.75, am=1.07,
305780	IC0883	13:20:47.38	+34:10:22.6	J2000.00	22:39	1.079	WFC	599.7	180	r	seeing=1.55, am=1.10
305781	IRAS13349	13:37:29.98	+24:25:03.0	J2000.00	22:54	1.091	WFC	1199.3	180	i	seeing=1.50, am=1.12
305782	IRAS13349	13:37:29.98	+24:25:03.0	J2000.00	23:16	1.124	WFC	599.7	180	g	seeing=1.80, am=1.13
305783	IRAS13349	13:37:29.98	+24:25:03.0	J2000.00	23:28	1.153	WFC	599.3	180	r	seeing=1.80, am=1.14
305784	RXJ1334	13:34:35.72	+50:32:53.9	J2000.00	23:41	1.238	WFC	1199.1	180	i	seeing=1.55, am=1.24
305785	RXJ1334	13:34:35.73	+50:32:53.9	J2000.00	00:03	1.281	WFC	599.7	180	g	seeing=1.9, am=1.28
305786	QSO1345	13:47:59.98	+58:14:42.0	J2000.00	00:16	1.348	WFC	1199.3	180	i	seeing=1.3, am=1.38
305787	QSO1345	13:47:59.98	+58:14:42.0	J2000.00	00:39	1.397	WFC	599.8	180	g	seeing=1.55, am=1.4
305788	NGC5548	14:18:10.55	+25:10:12.0	J2000.00	00:56	1.329	WFC	1199.4	180	i	seeing=1.2, am=1.37
305789	NGC5548	14:18:10.55	+25:10:12.0	J2000.00	01:18	1.409	WFC	599.8	180	g	seeing=1.55, am=1.42
305790	NGC5548	14:18:10.55	+25:10:12.0	J2000.00	01:30	1.481	WFC	599.8	180	r	seeing=1.4, am=1.47
305791	sa107-602	15:39:18.80	-00:15:29.9	J2000.00	01:43	1.402	WFC	15.1	180	i	seeing=1.35, am=1.4, std=20000cts mean
305792	sa107-602	15:39:18.80	-00:15:30.0	J2000.00	01:46	1.414	WFC	10.1	180	r	seeing=2.0, am=1.41, std=16000cts mean
305793	sa107-602	15:39:18.79	-00:15:30.0	J2000.00	01:48	1.423	WFC	15.1	180	g	seeing=1.75, am=1.42, std=20000cts mean
305794	sa107-602	15:39:18.80	-00:15:30.0	J2000.00	01:50	1.432	WFC	10.1	180	U	LOW COUNTS, am=1.43, std=1600cts mean
305795	sa107-602	15:39:18.79	-00:15:29.9	J2000.00	01:52	1.445	WFC	100.0	180	U	seeing=2.0, am=1.43, std=13500cts mean
305796	sa107-602	15:39:18.80	-00:15:29.8	J2000.00	01:56	1.464	WFC	40.0	180	Halpha	seeing=1.6, am=1.47, std=8000cts mean
305797	sa107-602	15:39:18.80	-00:15:30.0	J2000.00	01:59	1.480	WFC	100.0	180	z	SATD - don't use
305798	sa107-602	15:39:18.79	-00:15:30.0	J2000.00	02:02	1.493	WFC	10.1	180	z	seeing=1.5, am=1.48, std=10000cts mean
305799	A2163of2	16:15:56.05	-05:49:00.0	J2000.00	02:06	1.493	WFC	1199.4	180	i	seeing=1.45, am=1.5
305800	RXJ1940	19:40:21.63	-10:23:25.1	J2000.00	02:32	1.311	WFC	1199.4	180	i	seeing=1.5, am=1.25
305801	RXJ1940	19:40:21.64	-10:23:25.1	J2000.00	02:54	1.296	WFC	599.7	180	g	seeing=1.7, am=1.27
305802	RXJ1940	19:40:21.63	-10:23:25.1	J2000.00	03:06	1.290	WFC	599.6	180	r	seeing=1.45, am=1.3
305803	A2390	21:53:47.49	+17:43:44.9	J2000.00	03:23	1.158	WFC	1199.4	180	U	seeing=1.6, am=1.12
305804	3C445	22:23:59.61	-02:04:11.9	J2000.00	03:52	1.364	WFC	1199.4	180	i	seeing=1.2, am=1.4
305805	PHL5200	22:28:40.43	-05:16:54.9	J2000.00	04:15	1.356	WFC	1199.5	180	U	seeing=1.8, am=1.4
305806	LBQS2212	22:15:42.16	-17:42:05.6	J2000.00	04:38	1.535	WFC	1199.4	180	i	USE 20020612 not this! (seeing=1.45, am=1.5 +)
305807	sa113-163	21:42:35.50	+00:16:46.0	J2000.00	05:01	1.143	WFC	80.0	180	i	seeing=1.15, am=1.14, std=25000cts mean
305808	sa113-163	21:42:35.49	+00:16:45.9	J2000.00	05:05	1.141	WFC	120.0	180	g	seeing=1.35, am=1.14, std=27000cts mean
305810	sa113-163	21:42:35.50	+00:16:46.0	J2000.00	05:09	1.140	WFC	90.0	180	r	seeing=1.15, am=1.14, std=29500cts mean
305811	sa113-163	21:42:35.50	+00:16:46.0	J2000.00	05:13	1.138	WFC	80.0	180	U	seeing=1.4, am=1.14, std=2800cts mean
305812	sa113-163	21:42:35.50	+00:16:46.0	J2000.00	05:16	1.138	WFC	200.0	180	U	seeing=1.5, am=1.14, std=5000cts mean
305813	sa113-163	21:42:35.50	+00:16:46.0	J2000.00	05:24	1.138	WFC	499.8	180	U	seeing=1.6, am=1.14, std=28000cts mean
305814	Flat field	22:58:00.00	+00:04:59.9	J2000.00	05:35	1.185	WFC	39.6	180	i	
305815	Flat field	22:58:00.66	+00:04:59.9	J2000.00	05:37	1.183	WFC	27.1	180	i	
305816	Flat field	22:58:00.00	+00:05:09.9	J2000.00	05:39	1.181	WFC	19.1	180	i	
305818	Flat field	22:57:59.99	+00:05:10.0	J2000.00	05:41	1.177	WFC	22.5	180	r	
305819	Flat field	22:57:59.33	+00:04:49.9	J2000.00	05:42	1.176	WFC	19.7	180	r	
305820	Flat field	22:58:00.66	+00:05:00.0	J2000.00	05:44	1.174	WFC	11.9	180	r	
305821	skyflat_g	22:58:00.66	+00:05:00.0	J2000.00	05:46	1.172	WFC	5.1	180	g	
305822	skyflat_g	22:57:59.99	+00:05:09.9	J2000.00	05:47	1.170	WFC	1.5	180	g	

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305823 skyflat_g        22:57:59.33 +00:04:50.0 J2000.00 05:48 1.169  WFC    1.0  180  g
305824 skyflat_U        22:57:59.33 +00:04:50.0 J2000.00 05:49 1.168  WFC    5.1  180  U
305825 skyflat_U        22:57:59.99 +00:04:59.9 J2000.00 05:50 1.166  WFC    2.6  180  U                                 12000cts mean low - don't use?
305826 skyflat_U        22:58:00.66 +00:05:09.9 J2000.00 05:52 1.164  WFC    5.1  180  U
305827 skyflat_U        22:58:00.66 +00:04:49.9 J2000.00 05:53 1.163  WFC    2.1  180  U
305828 skyflat_U        22:58:01.33 +00:04:40.0 J2000.00 05:55 1.162  WFC    1.4  180  U
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