INT OBSERVING LOG (ISAAC NEWTON GROUP, LA PALMA) generated 2002 06 11 06:23

TELESCOPE	INT
DATE	20020610
OBSERVER/S	J Tedds, P Jones
PROGRAMME	XID XMM Follow-up
PROPOSAL REF	WFS3
TELESCOPE OPERATOR	Carlos Martin
SUPPORT ASTRONOMER	R. Greimel
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	0
DARK TIME (HRS)	06:56
TWILIGHT TIME (HRS)	02:52
MOONRISE (UT)	No Moon all night
MOONSET (UT)	No Moon all night

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	14.7	7	15.5	18.2	338	772.5	14.7	16.5	16.1	7	6
22:00	14.2	10	22.8	23.5	344	772.7	14.2	15.8	15.7	10	9
23:00	14.6	12	22.5	25.5	347	772.9	14.6	15.3	15.7	12	12
00:00	14.5	17	33.3	34.1	5	772.9	14.5	14.7	15.4	17	21
01:00	12.8	35	32.2	33.0	3	772.5	12.8	14.3	15.6	35	30
02:00	12.8	36	30.8	31.9	10	772.1	12.8	13.7	15.4	36	33
03:00	13.1	34	22.5	23.5	19	771.8	13.1	13.6	15.1	34	33
04:00	13.1	33	21.9	22.5	1	771.5	13.1	13.6	15.2	33	30
05:00	12.0	42	27.1	28.3	337	771.0	12.0	13.1	15.0	42	37
06:00	12.2	39	30.6	31.7	347	770.9	12.2	12.9	14.7	39	35

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, 0.9-1.3" seeing most of night, low wind

COMMENTS (causes of time lost, setup information eg CCD windows):
No problems

Run	Object	RA	Dec	Equinox	UT	Airm	Instr	Texp sec	Sky PA	Filters etc.	Slit	Grat	CenwA	Comments
305501	Bias frame	3:59:59.99	+19:59:59.9	A	13:29	1.085	WFC	0.0	180	R				
305502	AGB	4:00:00.00	+19:59:59.9	A	13:35	1.095	WFC	4.5	180	R				
305506	skyflat_Ha	15:01:59.99	+29:55:00.0	J2000.00	20:16	1.218	WFC	1.0	180	Halpha				
305507	skyflat_Ha	15:02:00.77	+29:54:59.9	J2000.00	20:19	1.209	WFC	1.3	180	Halpha				
305508	skyflat_Ha	15:02:00.00	+29:55:09.7	J2000.00	20:21	1.203	WFC	1.6	180	Halpha				
305509	skyflat_U	15:02:00.00	+29:55:10.1	J2000.00	20:24	1.196	WFC	1.0	180	U				ok
305510	skyflat_U	15:02:00.77	+29:54:59.9	J2000.00	20:26	1.190	WFC	2.1	180	U				
305511	skyflat_U	15:02:01.53	+29:55:09.8	J2000.00	20:28	1.185	WFC	3.1	180	U				
305512	skyflat_g	15:02:01.53	+29:55:10.0	J2000.00	20:30	1.178	WFC	1.5	180	g				satd?
305513	skyflat_g	15:02:01.54	+29:55:10.0	J2000.00	20:31	1.174	WFC	1.0	180	g				ok
305514	skyflat_g	15:02:00.77	+29:54:59.9	J2000.00	20:33	1.169	WFC	1.6	180	g				
305515	skyflat_g	15:01:59.99	+29:54:49.9	J2000.00	20:35	1.165	WFC	3.1	180	g				

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 305516 skyflat_r        15:01:59.99 +29:54:50.0 J2000.00 20:37 1.160  WFC    3.0  180  r                                ok
 305517 Flat field       15:02:00.77 +29:55:00.0 J2000.00 20:38 1.156  WFC    8.0  180  r
 305518 Flat field       15:02:01.53 +29:55:10.0 J2000.00 20:40 1.153  WFC   11.6  180  r
 305519 Flat field       15:02:01.53 +29:55:10.0 J2000.00 20:41 1.149  WFC   15.9  180  i                                ok
 305520 Flat field       15:02:00.00 +29:54:50.0 J2000.00 20:43 1.144  WFC   25.6  180  i
 305521 Flat field       15:02:00.76 +29:54:40.0 J2000.00 20:45 1.140  WFC   37.6  180  i
 305523 Focus run        12:05:30.56 +28:32:50.1 J2000.00 21:01 1.026  WFC    8.1  180  i                                43.95
 305524 Bias             12:05:30.56 +28:35:20.0 J2000.00 21:12 1.038  WFC    0.0  180  Halpha
 305525 Bias             12:05:30.56 +28:35:20.0 J2000.00 21:12 1.039  WFC    0.0  180  Halpha
 305526 Bias             12:05:30.56 +28:35:20.0 J2000.00 21:13 1.040  WFC    0.0  180  Halpha
 305527 Bias             12:05:30.56 +28:35:19.9 J2000.00 21:14 1.041  WFC    0.0  180  Halpha
 305528 Bias             12:05:30.56 +28:35:20.0 J2000.00 21:15 1.041  WFC    0.0  180  Halpha
 305530 sa104-334        12:42:20.49 -00:40:29.0 J2000.00 21:33 1.184  WFC   79.6  180  Halpha                           seeing 0.7! low wind
 305531 sa104-334        12:42:20.49 -00:40:28.9 J2000.00 21:39 1.191  WFC   15.1  180  U                                seeing 1.2, low (1800) cts
 305532 sa104-334        12:42:20.50 -00:40:28.9 J2000.00 21:44 1.200  WFC   80.0  180  U
 305533 sa104-334        12:42:20.50 -00:40:29.0 J2000.00 21:50 1.209  WFC   15.1  180  g
 305534 sa104-334        12:42:20.49 -00:40:29.0 J2000.00 21:52 1.213  WFC   60.1  180  g
 305535 sa104-334        12:42:20.49 -00:40:29.0 J2000.00 21:55 1.218  WFC   14.5  180  r
 305536 sa104-334        12:42:20.50 -00:40:29.0 J2000.00 21:57 1.222  WFC   14.6  180  i
 305537 sa104-334        12:42:20.50 -00:40:29.0 J2000.00 22:00 1.228  WFC   60.1  180  i
 305538 Mkn 421          11:04:39.73 +38:14:32.0 J2000.00 22:08 1.325  WFC  599.7  180  g                                seeing 1.0, SSS detected 2800cts! NB - raw
results only
 305539 Mkn 421          11:04:39.73 +38:14:31.9 J2000.00 22:20 1.372  WFC  599.2  180  r                                sg=0.9, SSS detected 4200cts, am~1.3
 305540 Mkn 421          11:04:39.73 +38:14:32.0 J2000.00 22:31 1.451  WFC 1199.4  180  i                                seeing 0.9, SSS detected 12500cts
 305541 A1413            11:55:29.90 +23:26:36.0 J2000.00 23:03 1.428  WFC 1199.3  180  i                                seeing 1.3, airmass=1.45
 305542 CSO755           15:26:10.00 +51:38:49.5 J2000.00 23:29 1.087  WFC 1199.3  180  i                                sg=1.0, am~1.1
 305543 CSO755           15:26:10.00 +51:38:49.3 J2000.00 23:51 1.093  WFC  599.8  180  g                                sg=1.1, am~1.1
 305544 CSO755           15:26:10.00 +51:38:49.3 J2000.00 00:05 1.100  WFC  599.7  180  r                                sg=1.1, am=1.1
 305546 sa107-602        15:39:18.79 -00:15:30.0 J2000.00 00:25 1.173  WFC  100.0  180  i                                sg=1.17, am=1.17, std=SATD
 305547 sa107-602        15:39:18.79 -00:15:30.0 J2000.00 00:28 1.176  WFC   19.5  180  g                                am=1.17, std=SATD
 305548 sa107-602        15:39:18.80 -00:15:30.0 J2000.00 00:31 1.180  WFC   10.1  180  U                                sg=1.1, am=1.18, std=2100
 305549 sa107-602        15:39:18.80 -00:15:30.0 J2000.00 00:33 1.183  WFC   10.1  180  i                                sg=na, am=1.19, std=STD
 305550 sa107-602        15:39:18.80 -00:15:29.9 J2000.00 00:35 1.185  WFC    0.9  180  i                                sg=1.05, am=1.19, std=6300
 305551 sa107-602        15:39:18.79 -00:15:30.0 J2000.00 00:36 1.187  WFC    1.0  180  r                                sg=1.2, am=1.19, std=4000
 305552 PDS456           17:28:30.12 -14:13:55.9 J2000.00 00:42 1.385  WFC  599.6  180  g                                sg=1.4, am=1.35
 305553 PG1630+377       16:32:13.72 +37:39:49.9 J2000.00 01:02 1.026  WFC 1198.8  180  i                                sg=1.0, am=1.03
 305554 PG1630+377       16:32:13.73 +37:39:49.9 J2000.00 01:23 1.038  WFC  599.8  180  g                                sg=1.25, am=1.04
 305555 PG1630+377       16:32:13.73 +37:39:49.9 J2000.00 01:34 1.049  WFC  599.6  180  r                                sg=0.95, am=1.05
 305556 FieldIV          17:26:15.81 +02:21:25.9 J2000.00 01:49 1.132  WFC 1199.4  180  i                                sg=1.0, am=1.14
 305557 FieldIV          17:26:15.80 +02:21:25.9 J2000.00 02:11 1.149  WFC  599.2  180  g                                sg=1.1, am=1.15
 305558 FieldIV          17:26:15.81 +02:21:25.9 J2000.00 02:22 1.164  WFC  599.7  180  r                                sg=1.05, am=1.17
 305559 Mrk896           20:46:30.01 -02:46:45.9 J2000.00 02:38 1.336  WFC 1199.4  180  i                                sg=1.2, am=1.3
 305560 Mrk896           20:46:30.00 -02:46:45.9 J2000.00 03:00 1.286  WFC  599.8  180  g                                sg=1.35, am=1.25
 305561 Mrk896           20:46:30.01 -02:46:45.9 J2000.00 03:13 1.256  WFC  599.8  180  r                                sg=1.7 - BAD SEEING
 305562 StephQuin        22:36:15.36 +34:01:07.8 J2000.00 03:36 1.224  WFC 1199.3  180  i                                sg=1.3, am=1.2
 305563 StephQuin        22:36:15.35 +34:01:07.7 J2000.00 03:58 1.174  WFC  599.7  180  g                                sg=1.25, am=1.16
 305564 StephQuin        22:36:15.36 +34:01:07.7 J2000.00 04:10 1.145  WFC  599.8  180  r                                sg=1.25, am=1.14
 305565 NGC7479          23:05:06.84 +12:21:23.0 J2000.00 04:24 1.260  WFC 1199.5  180  i                                sg=1.0, am=1.2, twilight begins at end
 305567 sa113-163        21:42:35.49 +00:16:46.0 J2000.00 04:54 1.157  WFC   30.1  180  i                                sg=1.2, am=1.15, std=4000cts, in early twil
ight
 305568 sa113-163        21:42:35.50 +00:16:45.9 J2000.00 04:59 1.152  WFC   20.1  180  g                                sg=1.2, am=1.15, std=4000cts, in early twil
ight
 305569 sa113-163        21:42:35.49 +00:16:46.0 J2000.00 05:01 1.151  WFC   20.1  180  r                                sg=1.2, am=1.15, std=4500cts, in early twil
ight
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