V&V Reference Report
L2 ASCDS Version : 7.6.11.10

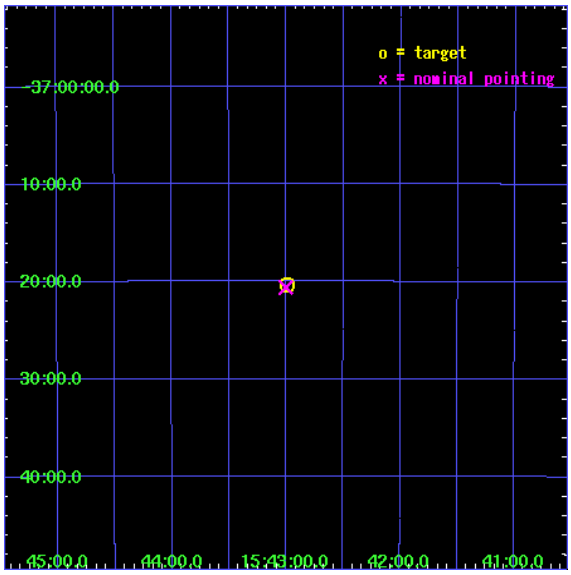
Observation 3370 - L2 Version 3
Chandra X-Ray Center

L2 Processing Date : Feb 4 2009

Contents

1 Front

seq_num	190007
obs_id	3370
title	ACIS DARK CURRENT CALIBARTION ON DARK MOON
observer	DR. SCOTT WOLK
object	DARK MOON
dtycycle	0
cycle	P
ra_targ	235.74868
dec_targ	-37.34
ra_nom	235.75037187444
dec_nom	-37.343591791176
roll_nom	248.04857496803
revision	3
ontime	0.0
livetime	0.0
ontime2	0.0
ontime3	0.0
ontime5	0.0
ontime6	0.0
ontime7	0.0
l2events	0

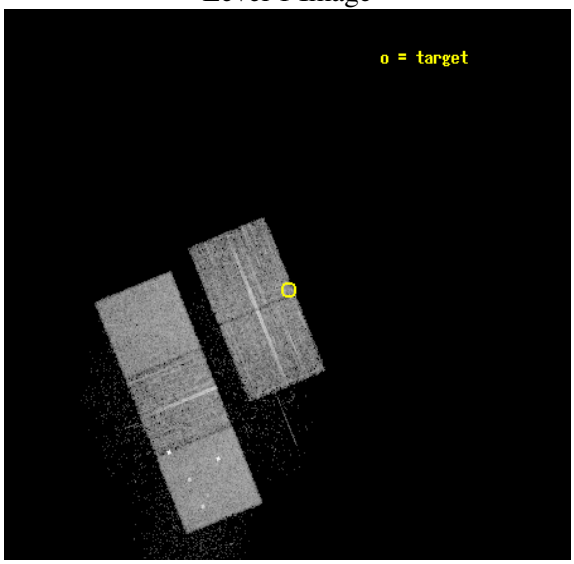


2 OBI

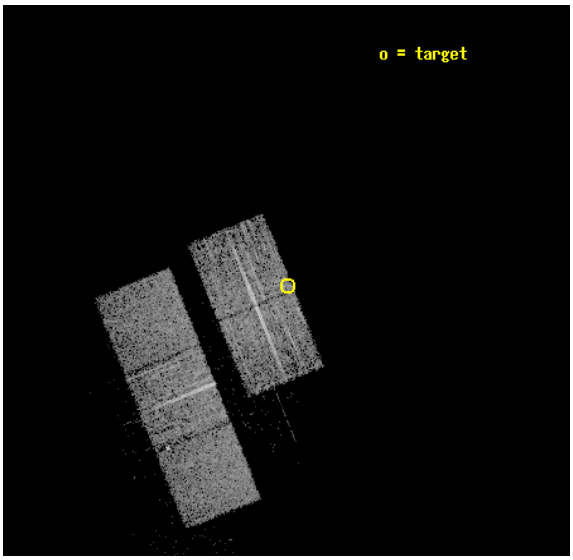
2.1 OBI

2.1.1 Images

Level 1 Image

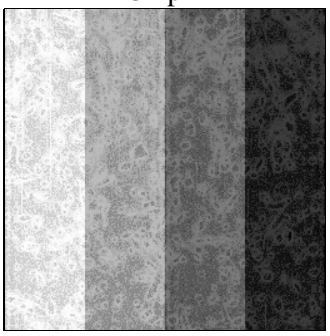


Level 1 Bad Events

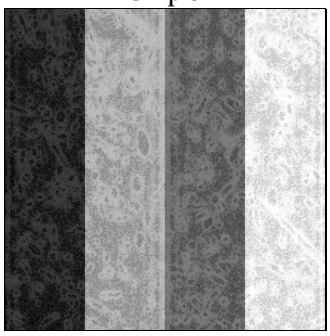


2.1.2 Bias

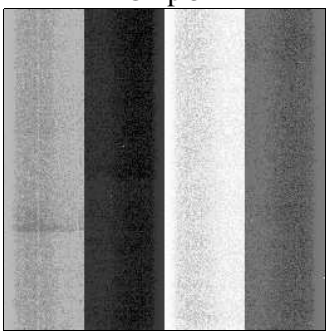
Chip 2



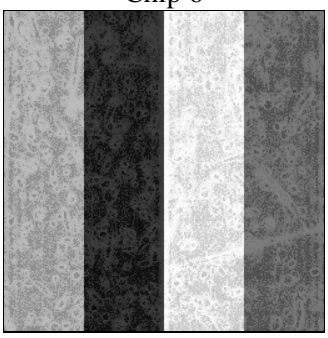
Chip 3



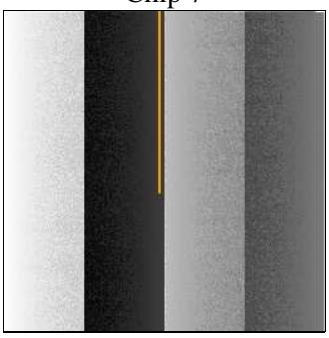
Chip 5



Chip 6



Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.10
caldbver	3.5.1
date	2009-02-04T14:32:49
revision	3

sched_exp_time	5160.000000
ontime	0.0
ontime2	5122.158122614
ontime3	5122.1991626024
ontime5	5122.2401726842
ontime6	5122.1170826107
ontime7	5122.2812126875
l1events	194741

2.1.4 Events

	ccd 2	**ccd 3**	**ccd 5**	**ccd 6**	**ccd 7**
level 1 events	33737	33234	50227	34832	42711
rejected events	30215	29710	26508	31169	25098
rejected %	89%	89%	52%	89%	58%

	ccd 2	**ccd 3**	**ccd 5**	**ccd 6**	**ccd 7**
grade 0 events	1437	1453	3582	1350	1525
	4%	4%	7%	3%	3%
grade 1 events	16	20	136	19	43
	0%	0%	0%	0%	0%
grade 2 events	760	712	6279	792	3533
	2%	2%	12%	2%	8%
grade 3 events	355	379	1050	381	1531
	1%	1%	2%	1%	3%
grade 4 events	328	330	1104	352	1634
	0%	0%	2%	1%	3%
grade 5 events	1116	1295	3703	1396	4210
	3%	3%	7%	4%	9%
grade 6 events	642	650	11704	788	9390
	1%	1%	23%	2%	21%
grade 7 events	29083	28395	22669	29754	20845
	86%	85%	45%	85%	48%

2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23567	ACIS-23567
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
Pointing RA	235.7503718744411	235.7503718744411
Pointing Dec	-37.34359179117558	-37.34359179117558
Pointing Roll	248.0485749680326	248.0485749680326
Window start time	117525664.184000	117525664.184000
Window stop time	117568864.184000	117568864.184000
SIM focus pos (mm)	-0.78090834371673	-0.78090834371673
SIM defocus (mm)	0.001439854621703041	0.001439854621703041
SIM translation stage pos (mm)	-233.5874344608	-233.5874344608
SIM translation stage offset (mm)	-0.005028630631784381	-0.005028630631784381
Observation start time	117536422.5773628	117536422.5773628
Observation start date	2001-09-22T09:00:00	2001-09-22T09:00:22
Observation end time	117541803.8275756	117541803.8275756
Observation end date	2001-09-22T10:26:00	2001-09-22T10:30:03
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
Primary exposure time	3.1	3.1

2.3 Star Slots

2.4 FID Slots

3 Point Sources

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2009.02.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.12

A.2 Comments

Charge time is based on Level 1 events because the OBC aspect solution was used (violation of earth angle constraint.) Consequently, there are no Level 2 events and no GTI.

This obsid was reprocessed to correct minor errors in parameters used in processing. Some of these parameters cannot be determined automatically for this observation and were derived from spacecraft telemetry.