

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60694 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 29 2012

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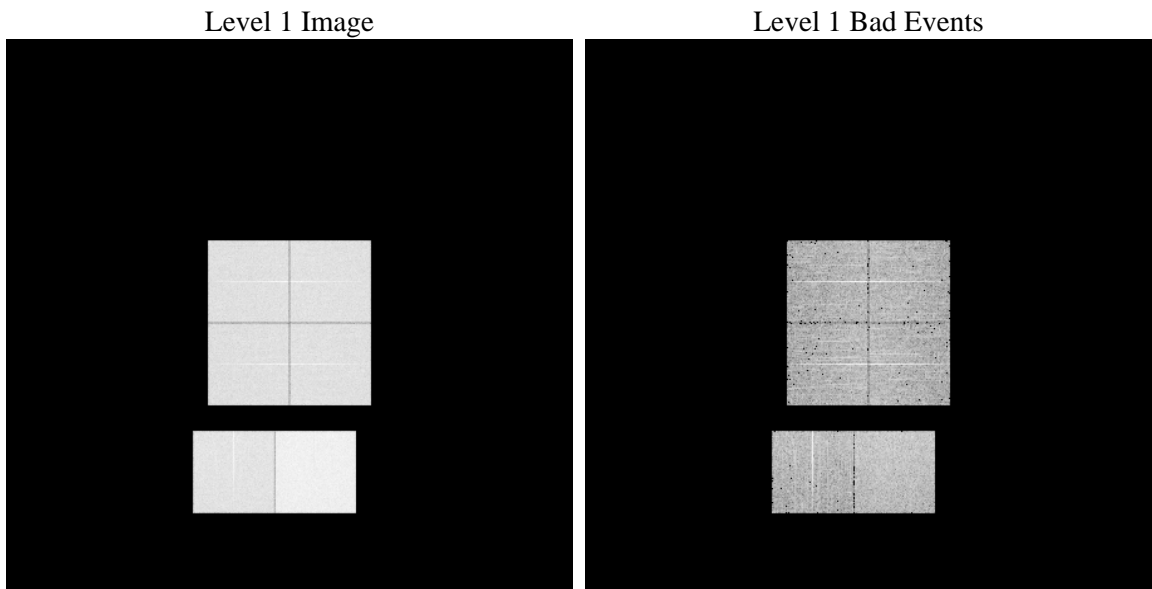
# 1 Front

seq_num	&#160	Sequence number
obs_id	60694	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	145.30239730534	Nominal RA [deg]
dec_nom	-8.228521780086	Nominal Dec [deg]
roll_nom	241.885394188	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8358.3999688625	Sum of GTIs [s]
livetime	8252.5608756326	Livetime [s]
ontime0	4974.8319294453	Sum of GTIs [s]
ontime1	5103.9294318855	Sum of GTIs [s]
ontime2	4777.1307418644	Sum of GTIs [s]
ontime3	4968.3504178226	Sum of GTIs [s]
ontime6	5357.2666872144	Sum of GTIs [s]
ontime7	8358.3999688625	Sum of GTIs [s]
l2events	1264385	Number of level 2 events

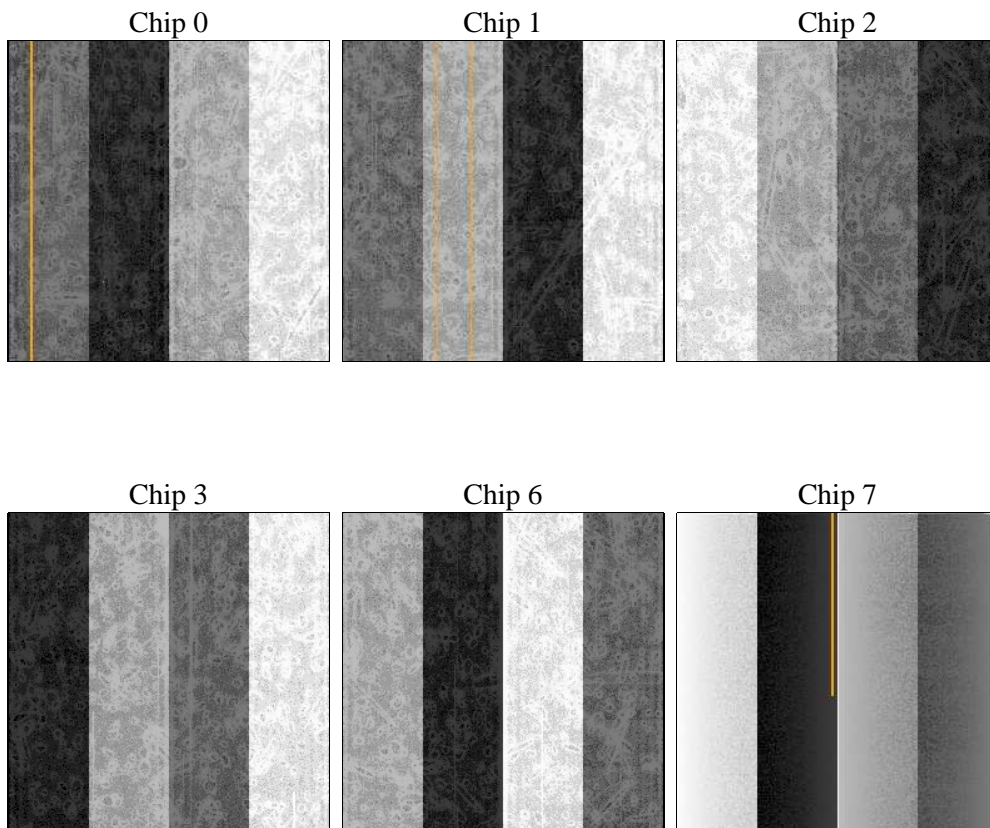
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8358.3999688625	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4974.8319294453	Sum of GTIs [s]
date	2012-10-29T16:46:49	Date and time of file creation	ontime1	5103.9294318855	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4777.1307418644	Sum of GTIs [s]
			ontime3	4968.3504178226	Sum of GTIs [s]
			ontime6	5357.2666872144	Sum of GTIs [s]
			ontime7	8358.3999688625	Sum of GTIs [s]
			l1events	1541526	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	224008	230650	220127	227435	253337	385969	grade 0 events	107468	109278	106348	110212	119850	85340
rejected events	31864	34039	33954	34307	36893	47383		47%	47%	48%	48%	47%	22%
rejected %	14%	14%	15%	15%	14%	12%	grade 1 events	580	508	637	615	544	231
								0%	0%	0%	0%	0%	0%
							grade 2 events	33937	35210	31780	32977	37666	75448
								15%	15%	14%	14%	14%	19%
							grade 3 events	12452	12578	12351	12733	13510	34649
								5%	5%	5%	5%	5%	8%
							grade 4 events	12538	12661	12289	12838	13688	34268
								5%	5%	5%	5%	5%	8%
							grade 5 events	2217	2208	2074	2275	2526	8250
								0%	0%	0%	1%	0%	2%
							grade 6 events	28241	29248	26062	26619	34719	113292
								12%	12%	11%	11%	13%	29%
							grade 7 events	26575	28959	28586	29166	30834	34491
								11%	12%	12%	12%	12%	8%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	145.3023973053407	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-8.22852178008597	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	241.8853941879996			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	171830124.38464	171830123.35994			
Observation start date	2003-06-12T18:35:24	2003-06-12T18:35:23			
[s] Observation end time (MET)	171852291.03558	171852290.01088			
Observation end date	2003-06-13T00:44:51	2003-06-13T00:44:50			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3583999688625

### **A.2 Comments**