

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61421 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 26 2012

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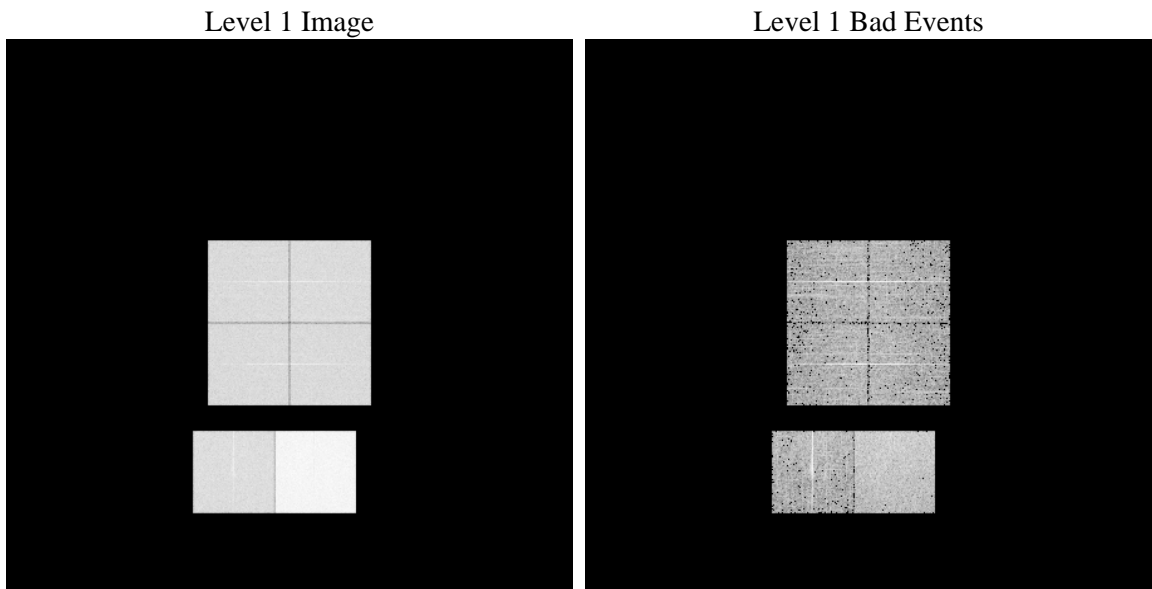
# 1 Front

seq_num	&#160	Sequence number
obs_id	61421	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	321.04593118748	Nominal RA [deg]
dec_nom	-60.017129995805	Nominal Dec [deg]
roll_nom	290.53247415513	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7934.858989343	Sum of GTIs [s]
livetime	7834.3830270215	Livetime [s]
ontime0	3089.6036429256	Sum of GTIs [s]
ontime1	3191.1023110598	Sum of GTIs [s]
ontime2	3005.3370416313	Sum of GTIs [s]
ontime3	3002.9992903769	Sum of GTIs [s]
ontime6	3252.7633335441	Sum of GTIs [s]
ontime7	7934.858989343	Sum of GTIs [s]
l2events	1329883	Number of level 2 events

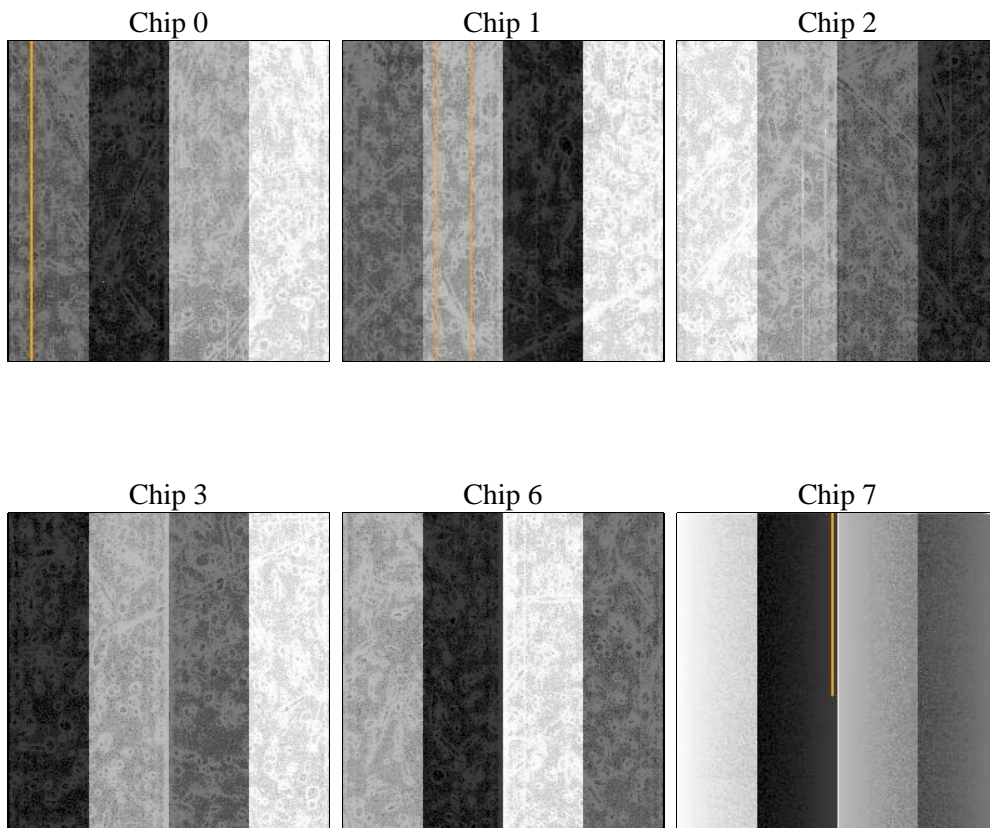
## 2 OBI

### 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	7934.858989343	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	3089.6036429256	Sum of GTIs [s]
date	2012-09-26T07:46:42	Date and time of file creation	ontime1	3191.1023110598	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3005.3370416313	Sum of GTIs [s]
			ontime3	3002.9992903769	Sum of GTIs [s]
			ontime6	3252.7633335441	Sum of GTIs [s]
			ontime7	7934.858989343	Sum of GTIs [s]
			l1events	1542316	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	201063	207665	198206	198439	222535	514408	grade 0 events	98104	102270	97478	98321	107267	119665
rejected events	22993	22556	22710	22586	24967	40715		48%	49%	49%	49%	48%	23%
rejected %	11%	10%	11%	11%	11%	7%	grade 1 events	489	526	487	428	546	333
								0%	0%	0%	0%	0%	0%
							grade 2 events	31650	32452	30905	30774	34249	104508
								15%	15%	15%	15%	15%	20%
							grade 3 events	11255	11673	11040	11171	12219	47929
								5%	5%	5%	5%	5%	9%
							grade 4 events	11155	11760	10955	11006	12175	47620
								5%	5%	5%	5%	5%	9%
							grade 5 events	1563	1635	1508	1617	1781	8507
								0%	0%	0%	0%	0%	1%
							grade 6 events	25906	26954	25118	24581	31658	153971
								12%	12%	12%	12%	14%	29%
							grade 7 events	20941	20395	20715	20541	22640	31875
								10%	9%	10%	10%	10%	6%

## 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	321.0459311874845	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-60.01712999580501	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	290.5324741551259			
[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)	120882220.279	120882219.51043			
Observation start date	2001-10-31T02:23:40	2001-10-31T02:23:39			
[s] Observation end time (MET)	120904675.98	120904675.21133			
Observation end date	2001-10-31T08:37:56	2001-10-31T08:37:55			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.934858989343

### A.2 Comments