

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54323 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Sep 17 2012

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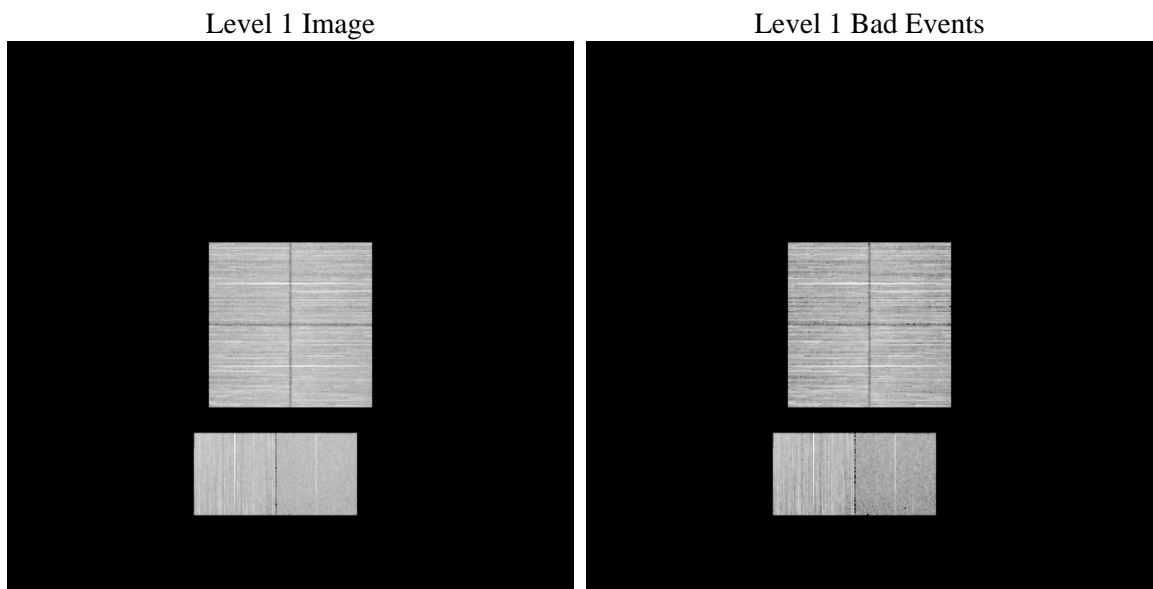
# 1 Front

seq_num	&#160	Sequence number
obs_id	54323	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	15.08208770073	Nominal RA [deg]
dec_nom	-15.971571533773	Nominal Dec [deg]
roll_nom	57.023811077156	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8264.791307807	Sum of GTIs [s]
livetime	8160.1375438077	Livetime [s]
ontime0	8264.7502678037	Sum of GTIs [s]
ontime1	8264.7092278004	Sum of GTIs [s]
ontime2	8264.6681877971	Sum of GTIs [s]
ontime3	8264.8323478103	Sum of GTIs [s]
ontime6	8264.6271477938	Sum of GTIs [s]
ontime7	8264.791307807	Sum of GTIs [s]
l2events	277190	Number of level 2 events

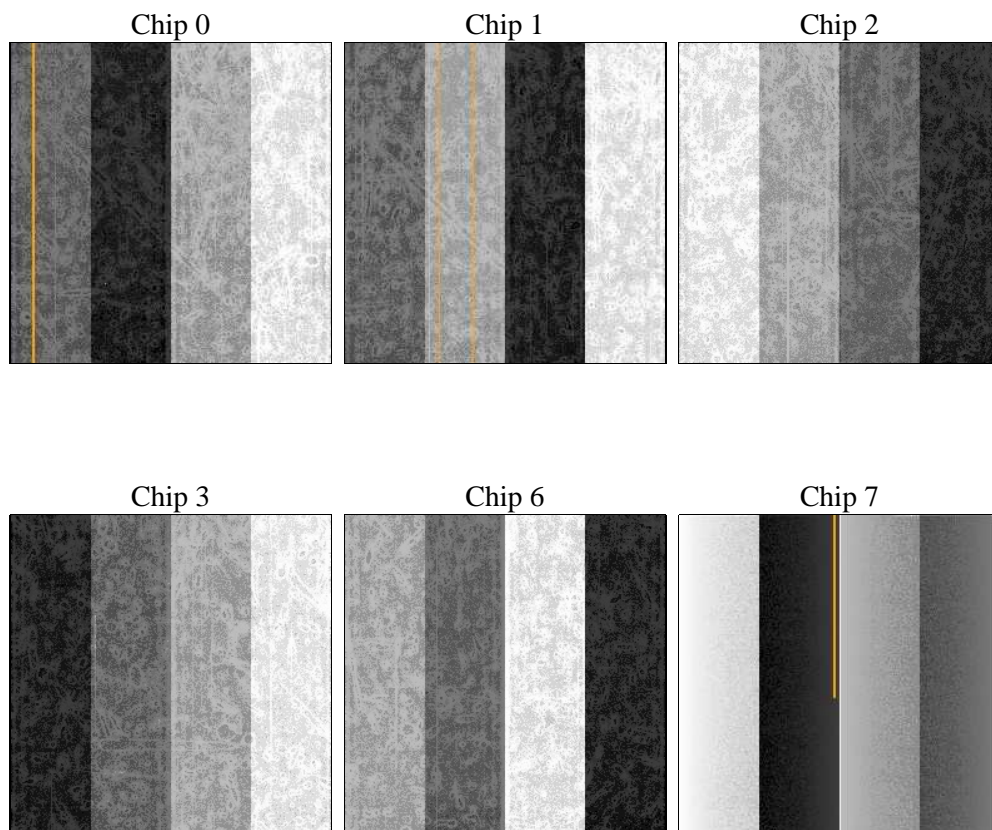
## 2 OBI

### 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	8264.791307807	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	8264.7502678037	Sum of GTIs [s]
date	2012-09-17T20:52:44	Date and time of file creation	ontime1	8264.7092278004	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8264.6681877971	Sum of GTIs [s]
			ontime3	8264.8323478103	Sum of GTIs [s]
			ontime6	8264.6271477938	Sum of GTIs [s]
			ontime7	8264.791307807	Sum of GTIs [s]
			l1events	1009508	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	160921	170338	178777	174889	181358	143225	grade 0 events	22355	21408	22914	23220	23013	11545
rejected events	117310	126852	134945	130474	134754	71890		13%	12%	12%	13%	12%	8%
rejected %	72%	74%	75%	74%	74%	50%	grade 1 events	142	106	148	151	98	102
								0%	0%	0%	0%	0%	0%
							grade 2 events	8622	9011	8427	8319	9278	17432
								5%	5%	4%	4%	5%	12%
							grade 3 events	2923	2812	2936	3011	3024	6052
								1%	1%	1%	1%	1%	4%
							grade 4 events	2782	2889	2954	2983	2963	5743
								1%	1%	1%	1%	1%	4%
							grade 5 events	3106	3037	2816	3297	3287	8146
								1%	1%	1%	1%	1%	5%
							grade 6 events	7109	7558	6783	7079	8542	30797
								4%	4%	3%	4%	4%	21%
							grade 7 events	113882	123517	131799	126829	131153	63408
								70%	72%	73%	72%	72%	44%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	15.08208770073013	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-15.97157153377297	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	57.02381107715581	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	464248620.33759	464248619.31259			
Observation start date	2012-09-17T05:57:00	2012-09-17T05:56:59			
[s] Observation end time (MET)	464258454.188115	464258453.16312			
Observation end date	2012-09-17T08:40:54	2012-09-17T08:40:53			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.264791307807

### A.2 Comments