

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 57033 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 8 2012

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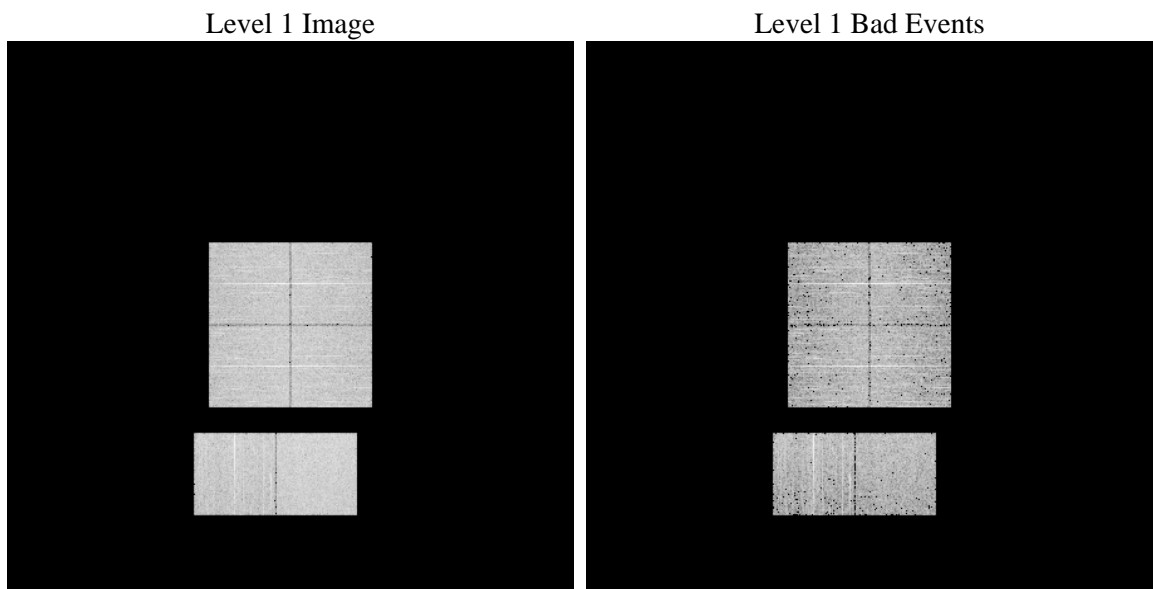
# 1 Front

seq_num	&#160	Sequence number
obs_id	57033	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	250.77520470424	Nominal RA [deg]
dec_nom	-22.868907362873	Nominal Dec [deg]
roll_nom	264.88014850516	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3272.7812411785	Sum of GTIs [s]
livetime	3231.3393144704	Livetime [s]
ontime0	3272.7402011752	Sum of GTIs [s]
ontime1	3272.6991611719	Sum of GTIs [s]
ontime2	3272.6581211686	Sum of GTIs [s]
ontime3	3272.8222811818	Sum of GTIs [s]
ontime6	3272.6170811653	Sum of GTIs [s]
ontime7	3272.7812411785	Sum of GTIs [s]
l2events	189196	Number of level 2 events

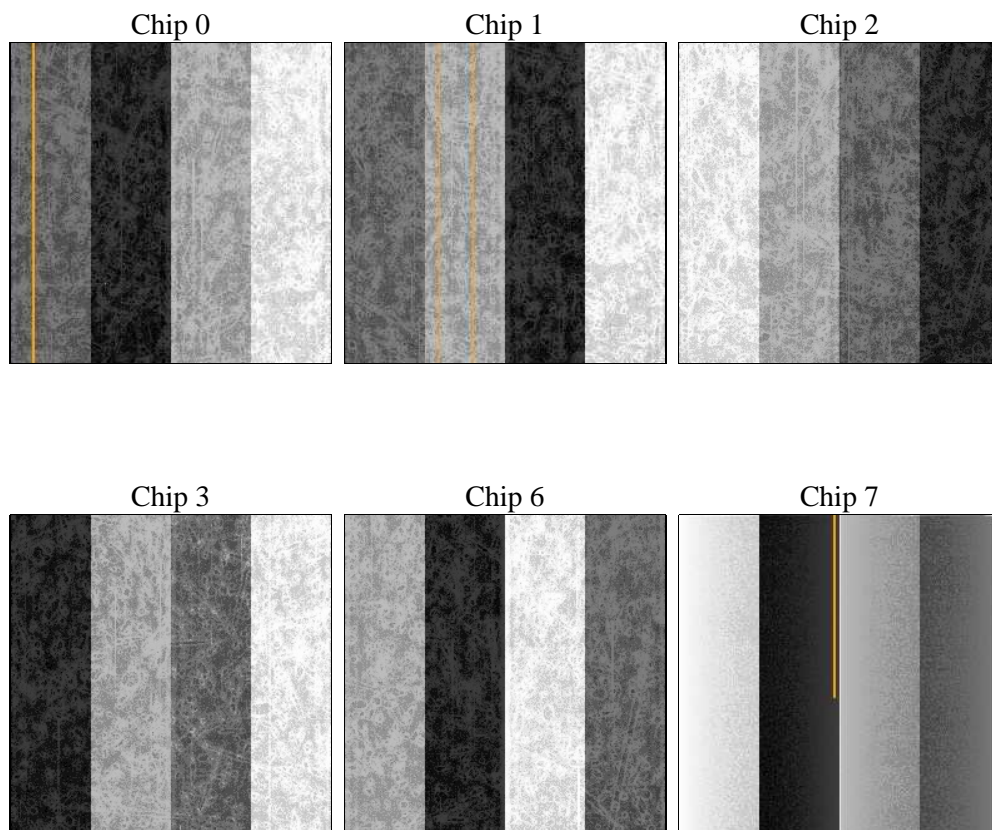
## 2 OBI

### 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	3272.7812411785	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	3272.7402011752	Sum of GTIs [s]
date	2012-06-08T23:27:16	Date and time of file creation	ontime1	3272.6991611719	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3272.6581211686	Sum of GTIs [s]
			ontime3	3272.8222811818	Sum of GTIs [s]
			ontime6	3272.6170811653	Sum of GTIs [s]
			ontime7	3272.7812411785	Sum of GTIs [s]
			l1events	377287	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	58166	58962	61929	61526	62607	74097	grade 0 events	16305	16107	16653	16671	16552	8555
rejected events	27644	28306	31478	30866	30930	28008		28%	27%	26%	27%	26%	11%
rejected %	47%	48%	50%	50%	49%	37%	grade 1 events	116	94	132	146	111	86
								0%	0%	0%	0%	0%	0%
							grade 2 events	5527	5698	5195	5324	5612	9967
								9%	9%	8%	8%	8%	13%
							grade 3 events	2041	2047	2180	2109	2110	4355
								3%	3%	3%	3%	3%	5%
							grade 4 events	2041	2062	2045	2073	2084	4261
								3%	3%	3%	3%	3%	5%
							grade 5 events	1596	1668	1495	1831	1724	4475
								2%	2%	2%	2%	2%	6%
							grade 6 events	4608	4742	4378	4483	5319	18951
								7%	8%	7%	7%	8%	25%
							grade 7 events	25932	26544	29851	28889	29095	23447
								44%	45%	48%	46%	46%	31%

## 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	250.7752047042389	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-22.86890736287276	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	264.8801485051573	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	361660472.793531	361660471.76853			
Observation start date	2009-06-17T21:14:33	2009-06-17T21:14:31			
[s] Observation end time (MET)	361673869.5442	361673868.5192			
Observation end date	2009-06-18T00:57:50	2009-06-18T00:57:48			
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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2727812411785

### A.2 Comments