

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 59929 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 12 2012

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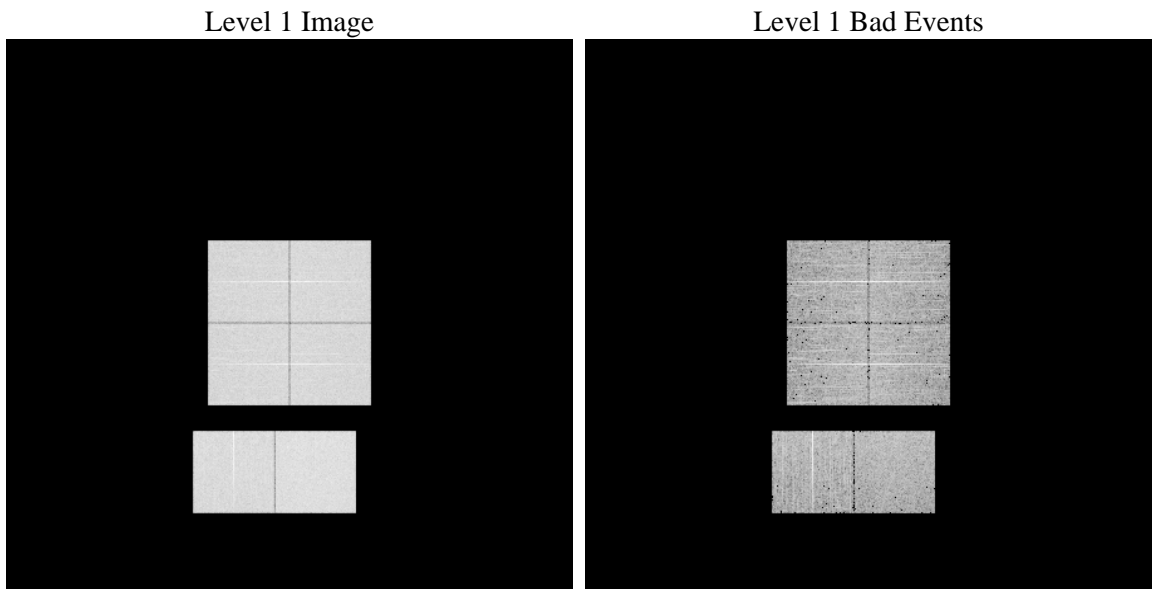
# 1 Front

seq_num	&#160	Sequence number
obs_id	59929	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	105.96312121299	Nominal RA [deg]
dec_nom	44.511221280046	Nominal Dec [deg]
roll_nom	123.99419855553	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5919.9999779463	Sum of GTIs [s]
livetime	5845.0373736295	Livetime [s]
ontime0	4960.6686035991	Sum of GTIs [s]
ontime1	5097.7766103745	Sum of GTIs [s]
ontime2	4879.6444143355	Sum of GTIs [s]
ontime3	4941.2222630978	Sum of GTIs [s]
ontime6	5339.8637859523	Sum of GTIs [s]
ontime7	5919.9999779463	Sum of GTIs [s]
l2events	810765	Number of level 2 events

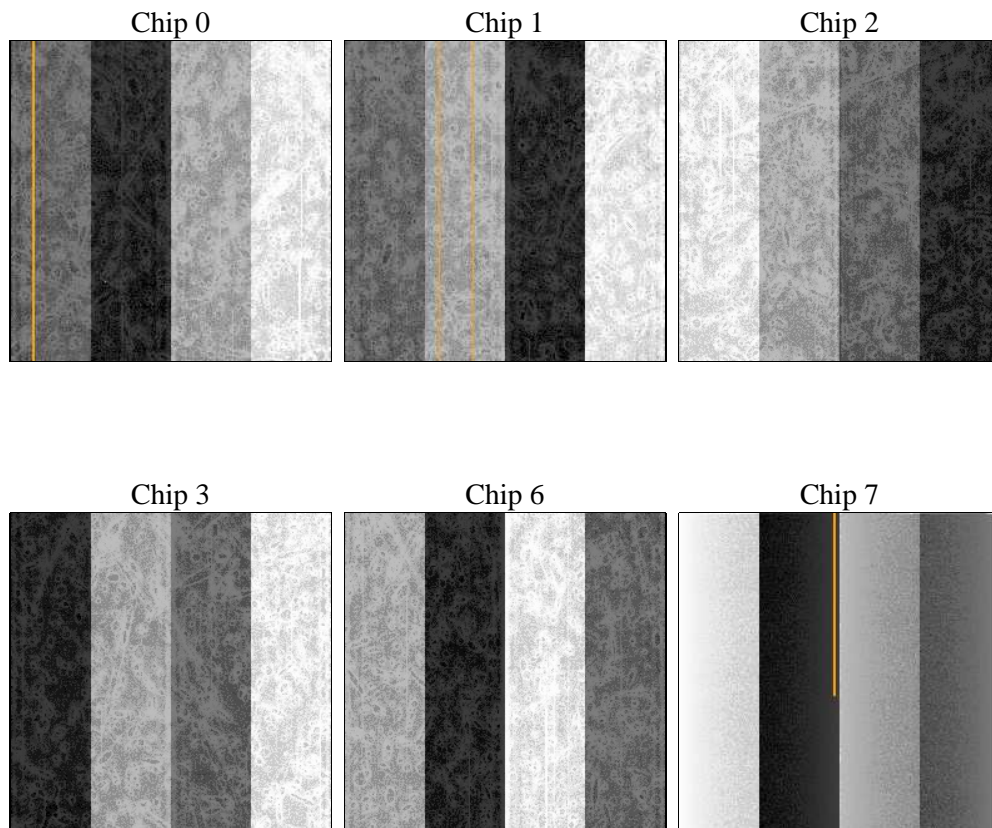
## 2 OBI

### 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	8.5	Processing system revision	ontime	5919.9999779463	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime0	4960.6686035991	Sum of GTIs [s]
date	2012-12-12T18:06:11	Date and time of file creation	ontime1	5097.7766103745	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4879.6444143355	Sum of GTIs [s]
			ontime3	4941.2222630978	Sum of GTIs [s]
			ontime6	5339.8637859523	Sum of GTIs [s]
			ontime7	5919.9999779463	Sum of GTIs [s]
			l1events	1076614	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	166577	171785	168315	169514	188483	211940	grade 0 events	72126	74294	73274	74576	80181	41675
rejected events	35387	36217	37877	37238	40726	37163		43%	43%	43%	43%	42%	19%
rejected %	21%	21%	22%	21%	21%	17%	grade 1 events	458	383	460	461	439	122
								0%	0%	0%	0%	0%	0%
							grade 2 events	22925	24045	21818	22457	25715	38444
								13%	13%	12%	13%	13%	18%
							grade 3 events	8602	8624	8662	8580	9249	17294
								5%	5%	5%	5%	4%	8%
							grade 4 events	8397	8778	8623	8618	9118	17170
								5%	5%	5%	5%	4%	8%
							grade 5 events	2192	2254	2173	2371	2626	6554
								1%	1%	1%	1%	1%	3%
							grade 6 events	19140	19827	18061	18045	23494	60194
								11%	11%	10%	10%	12%	28%
							grade 7 events	32737	33580	35244	34406	37661	30487
								19%	19%	20%	20%	19%	14%

## 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	105.9631212129933	Alternating exposures requested	N	N
[deg] Pointing Dec	0	44.51122128004591	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	123.9941985555271			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	219085836.754181	219085835.72918			
Observation start date	2004-12-10T17:10:37	2004-12-10T17:10:35			
[s] Observation end time (MET)	219104344.155013	219104343.13002			
Observation end date	2004-12-10T22:19:04	2004-12-10T22:19:03			
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)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.9199999779463

### A.2 Comments