

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59040 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 28 2012

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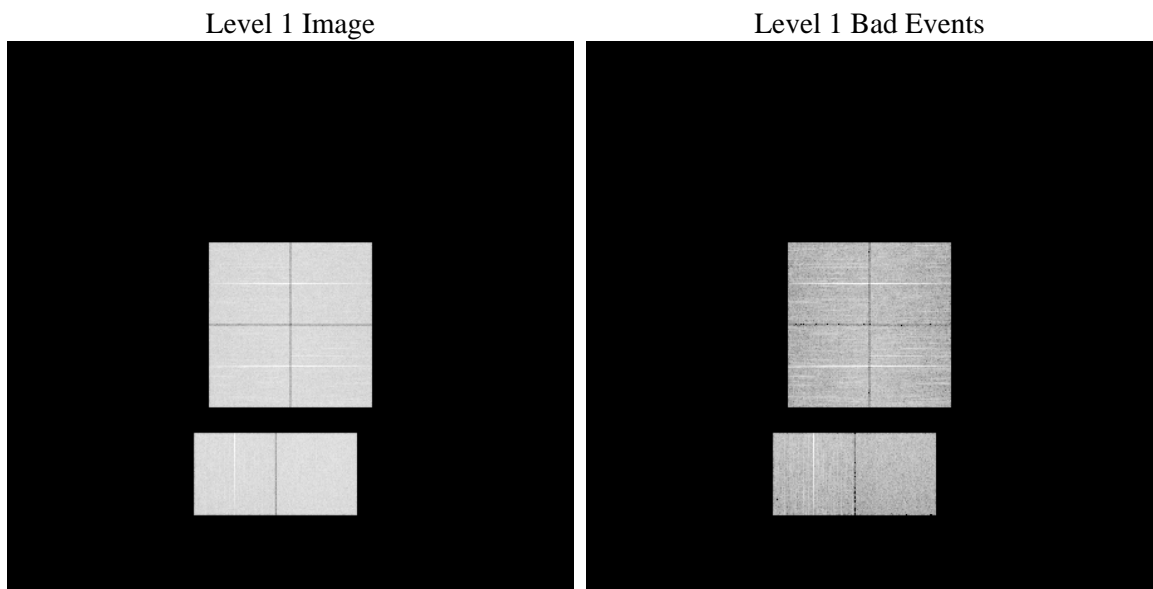
# 1 Front

seq_num	&#160	Sequence number
obs_id	59040	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	215.97254298705	Nominal RA [deg]
dec_nom	5.0167225792163	Nominal Dec [deg]
roll_nom	106.38617009083	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8274.299385488	Sum of GTIs [s]
livetime	8169.525224484	Livetime [s]
ontime0	8274.2993655801	Sum of GTIs [s]
ontime1	8274.299385488	Sum of GTIs [s]
ontime2	8274.2993655801	Sum of GTIs [s]
ontime3	8274.2993655801	Sum of GTIs [s]
ontime6	8274.4400806427	Sum of GTIs [s]
ontime7	8274.299385488	Sum of GTIs [s]
l2events	949892	Number of level 2 events

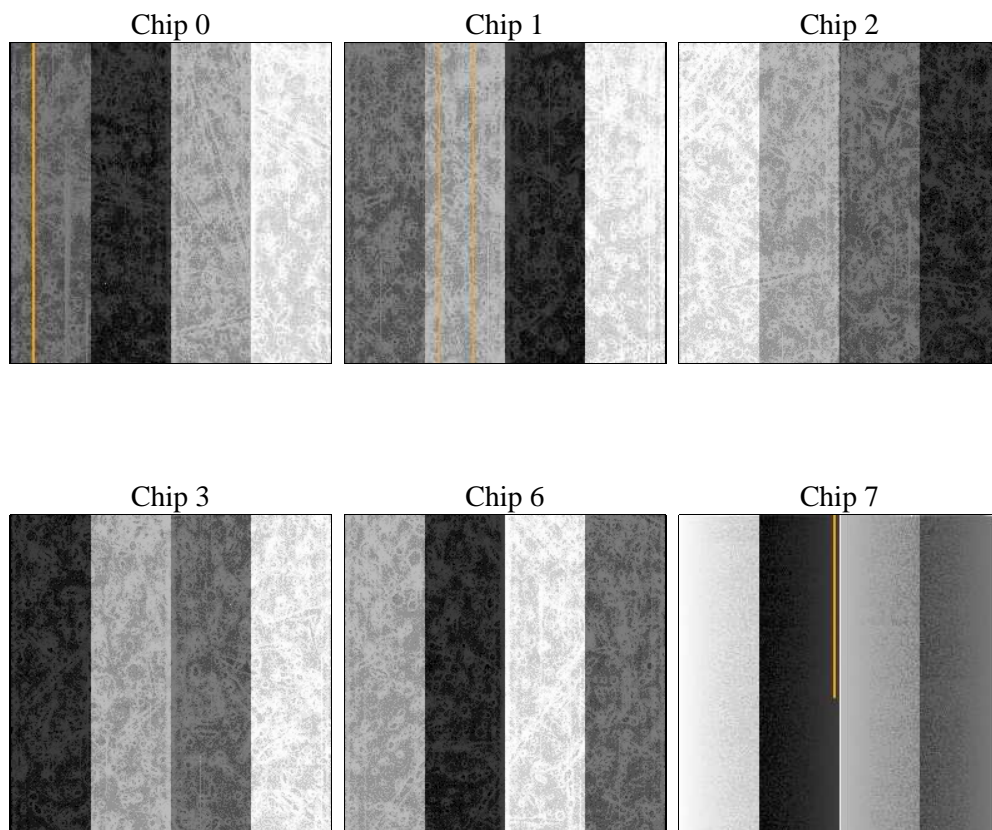
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	8274.299385488	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8274.2993655801	Sum of GTIs [s]
date	2012-03-29T01:45:07	Date and time of file creation	ontime1	8274.299385488	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8274.2993655801	Sum of GTIs [s]
			ontime3	8274.2993655801	Sum of GTIs [s]
			ontime6	8274.4400806427	Sum of GTIs [s]
			ontime7	8274.299385488	Sum of GTIs [s]
			l1events	1408317	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	226062	225020	232373	234032	239099	251731	grade 0 events	87187	87063	89737	89826	89947	42418
rejected events	66762	64290	71617	73181	71995	60576		38%	38%	38%	38%	37%	16%
rejected %	29%	28%	30%	31%	30%	24%	grade 1 events	575	480	679	693	502	151
								0%	0%	0%	0%	0%	0%
							grade 2 events	27868	28927	27021	27426	29170	41942
								12%	12%	11%	11%	12%	16%
							grade 3 events	10441	10409	10578	10529	10369	18387
								4%	4%	4%	4%	4%	7%
							grade 4 events	10335	10425	10639	10707	10711	18315
								4%	4%	4%	4%	4%	7%
							grade 5 events	3783	3838	3628	4191	4099	10101
								1%	1%	1%	1%	1%	4%
							grade 6 events	23469	23906	22781	22363	26975	70093
								10%	10%	9%	9%	11%	27%
							grade 7 events	62404	59972	67310	68297	67326	50324
								27%	26%	28%	29%	28%	19%

## 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	215.9725429870492	Alternating exposures requested	N	N
[deg] Pointing Dec	0	5.016722579216303	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	106.386170090831			
[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)	260033088.030079	260033087.00507			
Observation start date	2006-03-29T15:24:48	2006-03-29T15:24:47			
[s] Observation end time (MET)	260046314.630695	260046313.60568			
Observation end date	2006-03-29T19:05:15	2006-03-29T19:05:13			
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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.274299385488

### A.2 Comments