

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57252 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 2 2012

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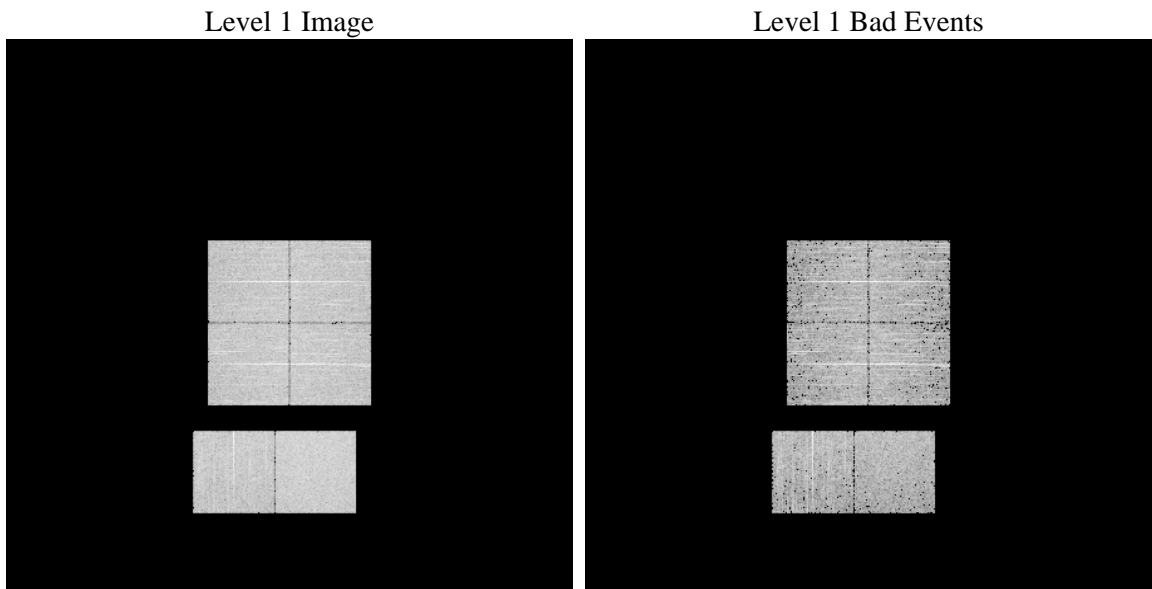
# 1 Front

seq_num	&#160	Sequence number
obs_id	57252	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	156.02950518307	Nominal RA [deg]
dec_nom	-15.995172248486	Nominal Dec [deg]
roll_nom	337.05895614446	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3014.3999888301	Sum of GTIs [s]
livetime	2976.2298411178	Livetime [s]
ontime0	3014.3999888301	Sum of GTIs [s]
ontime1	3014.3999888301	Sum of GTIs [s]
ontime2	3014.3999888301	Sum of GTIs [s]
ontime3	3014.3999888301	Sum of GTIs [s]
ontime6	3014.3999888301	Sum of GTIs [s]
ontime7	3014.3999888301	Sum of GTIs [s]
l2events	181311	Number of level 2 events

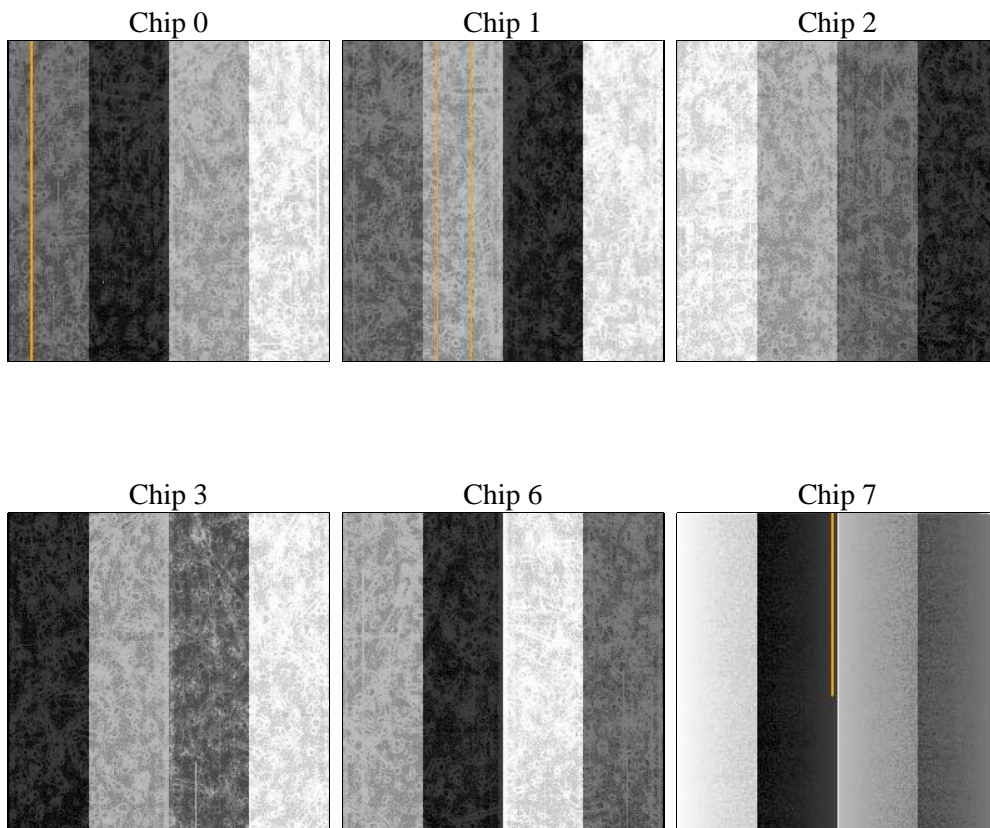
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	3014.3999888301	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	3014.3999888301	Sum of GTIs [s]
date	2012-06-02T03:20:25	Date and time of file creation	ontime1	3014.3999888301	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3014.3999888301	Sum of GTIs [s]
			ontime3	3014.3999888301	Sum of GTIs [s]
			ontime6	3014.3999888301	Sum of GTIs [s]
			ontime7	3014.3999888301	Sum of GTIs [s]
			l1events	360391	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	56532	57763	59299	59090	58771	68936	grade 0 events	15707	15391	16134	16211	15257	7844
rejected events	27157	27733	29770	29444	28702	25921		27%	26%	27%	27%	25%	11%
rejected %	48%	48%	50%	49%	48%	37%	grade 1 events	128	85	115	126	89	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	5220	6065	4930	5023	5801	9381
								9%	10%	8%	8%	9%	13%
							grade 3 events	2028	1919	2133	1955	1890	3823
								3%	3%	3%	3%	3%	5%
							grade 4 events	1933	1867	2057	2046	1820	3807
								3%	3%	3%	3%	3%	5%
							grade 5 events	1394	1488	1374	1590	1559	3902
								2%	2%	2%	2%	2%	5%
							grade 6 events	4518	4823	4295	4445	5328	18195
								7%	8%	7%	7%	9%	26%
							grade 7 events	25604	26125	28261	27694	27027	21929
								45%	45%	47%	46%	45%	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	156.0295051830665	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-15.99517224848591	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	337.0589561444566	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.7809083437167272			
[mm] SIM defocus	0.1037507710433287	0.7524282956875696			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	352562506.74059	352562505.7156			
Observation start date	2009-03-04T14:01:47	2009-03-04T14:01:45			
[s] Observation end time (MET)	352567244.290825	352567243.26583			
Observation end date	2009-03-04T15:20:44	2009-03-04T15:20:43			
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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0143999888301

### **A.2 Comments**