

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55421 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 10 2012

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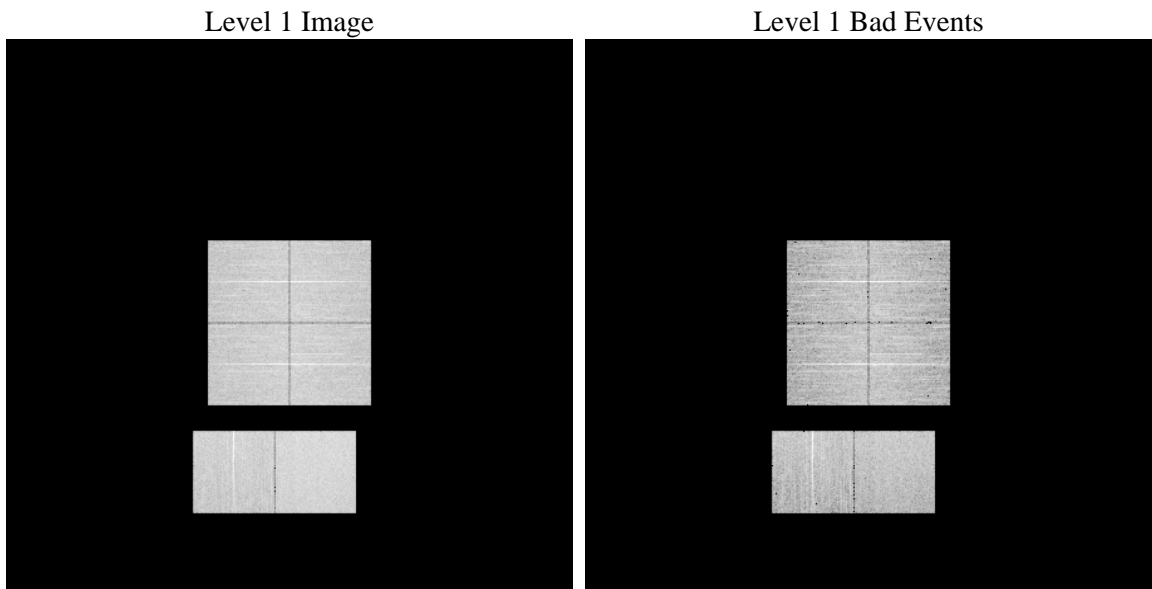
# 1 Front

seq_num	&#160	Sequence number
obs_id	55421	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	251.97123114147	Nominal RA [deg]
dec_nom	2.0008254141503	Nominal Dec [deg]
roll_nom	145.56373066412	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8283.8331466913	Sum of GTIs [s]
livetime	8178.9382634624	Livetime [s]
ontime0	8283.792106688	Sum of GTIs [s]
ontime1	8283.7510666847	Sum of GTIs [s]
ontime2	8283.7100266814	Sum of GTIs [s]
ontime3	8283.8741866946	Sum of GTIs [s]
ontime6	8283.6689866781	Sum of GTIs [s]
ontime7	8283.8331466913	Sum of GTIs [s]
l2events	309532	Number of level 2 events

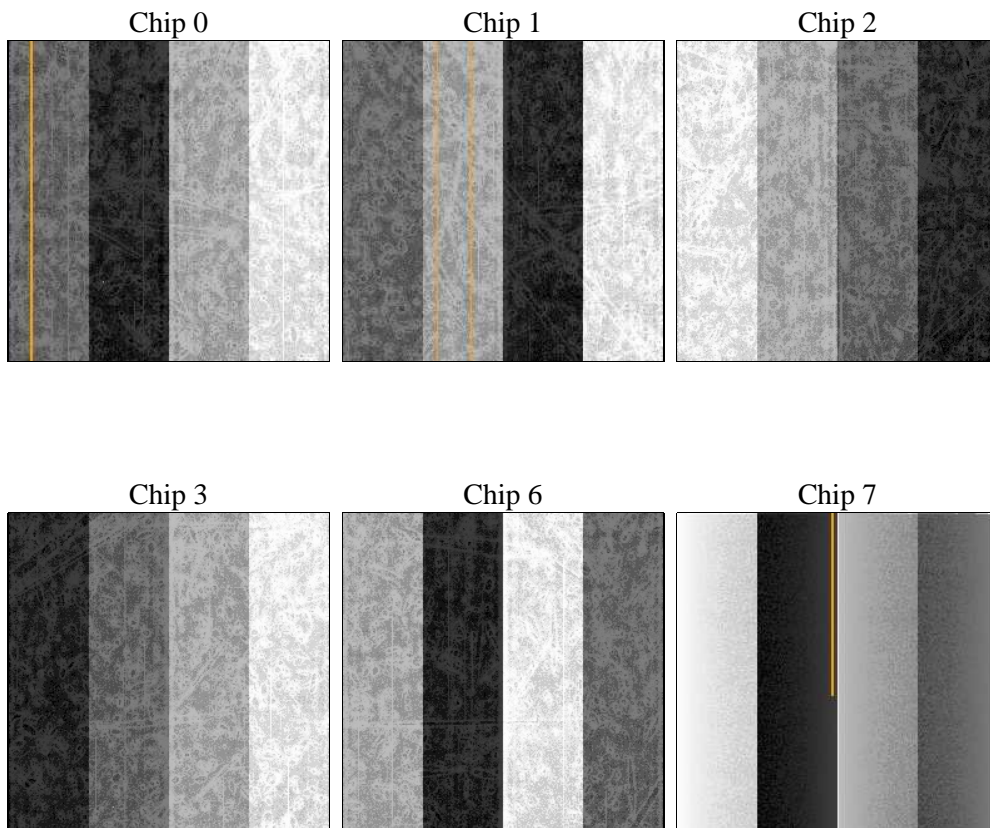
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8283.8331466913	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	8283.792106688	Sum of GTIs [s]
date	2012-02-10T08:48:04	Date and time of file creation	ontime1	8283.7510666847	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8283.7100266814	Sum of GTIs [s]
			ontime3	8283.8741866946	Sum of GTIs [s]
			ontime6	8283.6689866781	Sum of GTIs [s]
			ontime7	8283.8331466913	Sum of GTIs [s]
			l1events	681944	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	105894	107070	106159	110568	112399	139854	grade 0 events	25548	23730	26510	27105	24372	12592
rejected events	56846	57769	57142	60697	61557	60698		24%	22%	24%	24%	21%	9%
rejected %	53%	53%	53%	54%	54%	43%	grade 1 events	134	106	169	174	122	97
								0%	0%	0%	0%	0%	0%
							grade 2 events	9325	11093	8406	8601	11178	17629
								8%	10%	7%	7%	9%	12%
							grade 3 events	3289	3084	3370	3362	3056	6672
								3%	2%	3%	3%	2%	4%
							grade 4 events	3125	3071	3323	3342	3029	6465
								2%	2%	3%	3%	2%	4%
							grade 5 events	3310	3366	2919	3689	3393	8743
								3%	3%	2%	3%	3%	6%
							grade 6 events	7761	8323	7408	7461	9207	35798
								7%	7%	6%	6%	8%	25%
							grade 7 events	53402	54297	54054	56834	58042	51858
								50%	50%	50%	51%	51%	37%

## 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	251.9712311414666	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	2.000825414150272	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	145.56373066412	[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)	422238457.632329	422238456.60733			
Observation start date	2011-05-20T00:27:38	2011-05-20T00:27:36			
[s] Observation end time (MET)	422249146.332884	422249145.30788			
Observation end date	2011-05-20T03:25:46	2011-05-20T03:25:45			
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)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2838331466913

### **A.2 Comments**