

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 57110 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 7 2012

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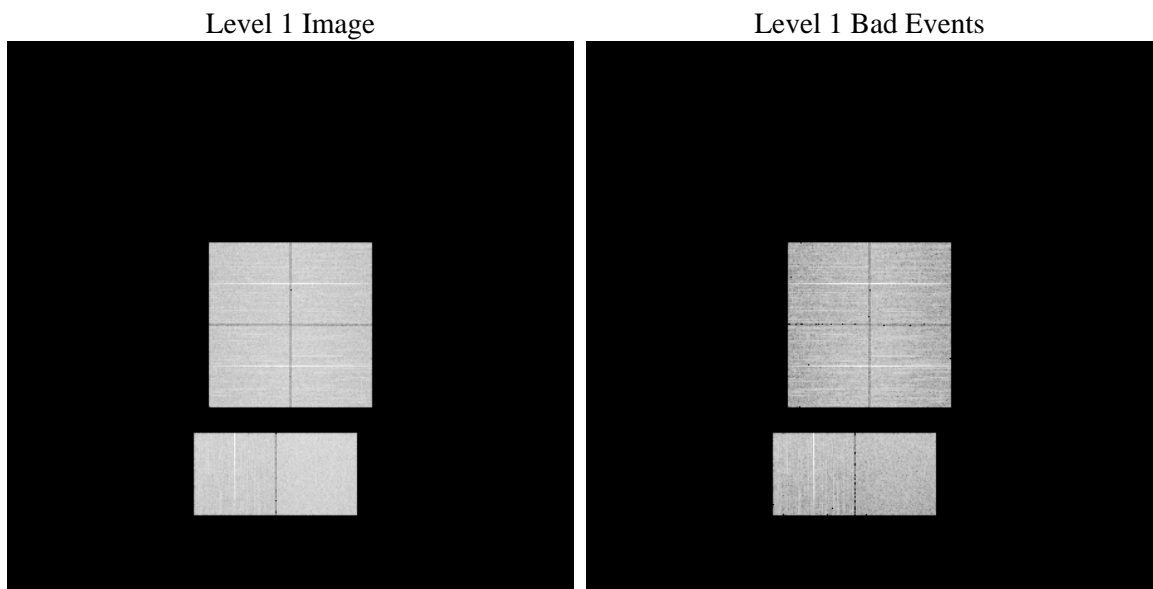
# 1 Front

seq_num	&#160	Sequence number
obs_id	57110	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	235.96888596524	Nominal RA [deg]
dec_nom	5.487305740751	Nominal Dec [deg]
roll_nom	164.32798070563	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6755.1955448985	Sum of GTIs [s]
livetime	6669.6571914186	Livetime [s]
ontime0	6755.1545048952	Sum of GTIs [s]
ontime1	6755.1134648919	Sum of GTIs [s]
ontime2	6755.0724248886	Sum of GTIs [s]
ontime3	6755.1999748945	Sum of GTIs [s]
ontime6	6755.0313848853	Sum of GTIs [s]
ontime7	6755.1955448985	Sum of GTIs [s]
l2events	395432	Number of level 2 events

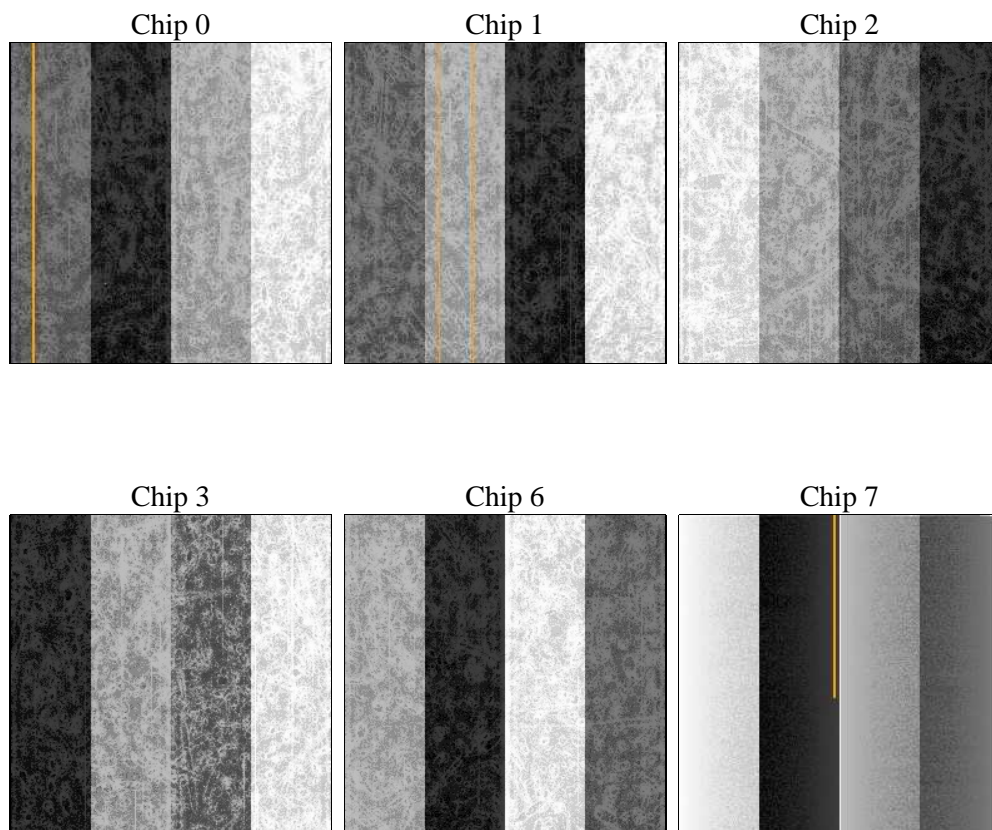
## 2 OBI

### 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	6755.1955448985	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	6755.1545048952	Sum of GTIs [s]
date	2012-06-07T04:25:36	Date and time of file creation	ontime1	6755.1134648919	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	6755.0724248886	Sum of GTIs [s]
			ontime3	6755.1999748945	Sum of GTIs [s]
			ontime6	6755.0313848853	Sum of GTIs [s]
			ontime7	6755.1955448985	Sum of GTIs [s]
			l1events	804761	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	124577	126550	130539	133038	135141	154916	grade 0 events	33843	32819	35160	35535	33773	17003
rejected events	60742	62226	66668	68496	68795	59691		27%	25%	26%	26%	24%	10%
rejected %	48%	49%	51%	51%	50%	38%	grade 1 events	243	193	297	283	202	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	11601	12898	10567	10841	12708	21151
								9%	10%	8%	8%	9%	13%
							grade 3 events	4223	4157	4446	4407	4146	8405
								3%	3%	3%	3%	3%	5%
							grade 4 events	4253	4155	4313	4389	4200	8211
								3%	3%	3%	3%	3%	5%
							grade 5 events	3399	3387	3193	3519	3459	9018
								2%	2%	2%	2%	2%	5%
							grade 6 events	9937	10325	9420	9414	11547	40506
								7%	8%	7%	7%	8%	26%
							grade 7 events	57078	58616	63143	64650	65106	50496
								45%	46%	48%	48%	48%	32%

## 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	235.9688859652434	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	5.48730574075097	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	164.3279807056289	[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	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	358499458.735958	358499457.711			
Observation start date	2009-05-12T07:10:59	2009-05-12T07:10:57			
[s] Observation end time (MET)	358510924.386529	358510923.36157			
Observation end date	2009-05-12T10:22:04	2009-05-12T10:22:03			
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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.7551955448985

### A.2 Comments