

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60812 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 24 2012

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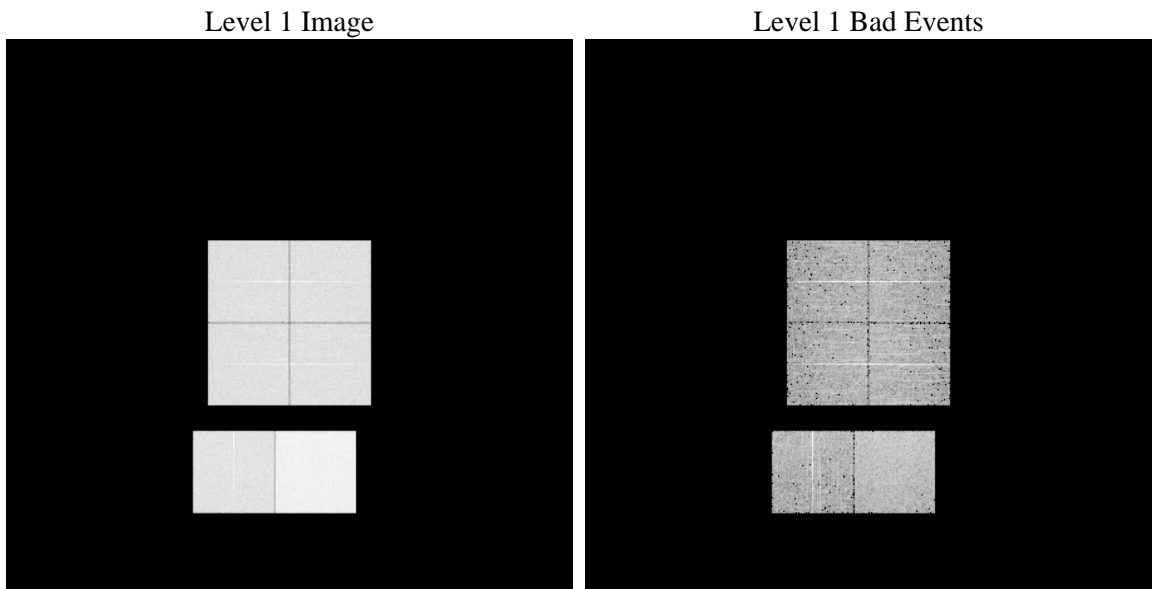
# 1 Front

seq_num	&#160	Sequence number
obs_id	60812	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	148.97309104429	Nominal RA [deg]
dec_nom	59.974756545829	Nominal Dec [deg]
roll_nom	209.06371757815	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7797.4955599308	Sum of GTIs [s]
livetime	7698.7589760628	Livetime [s]
ontime0	4255.0708275139	Sum of GTIs [s]
ontime1	4332.8137605488	Sum of GTIs [s]
ontime2	4154.997279793	Sum of GTIs [s]
ontime3	4197.1301926672	Sum of GTIs [s]
ontime6	4595.2517066598	Sum of GTIs [s]
ontime7	7797.4955599308	Sum of GTIs [s]
l2events	1181223	Number of level 2 events

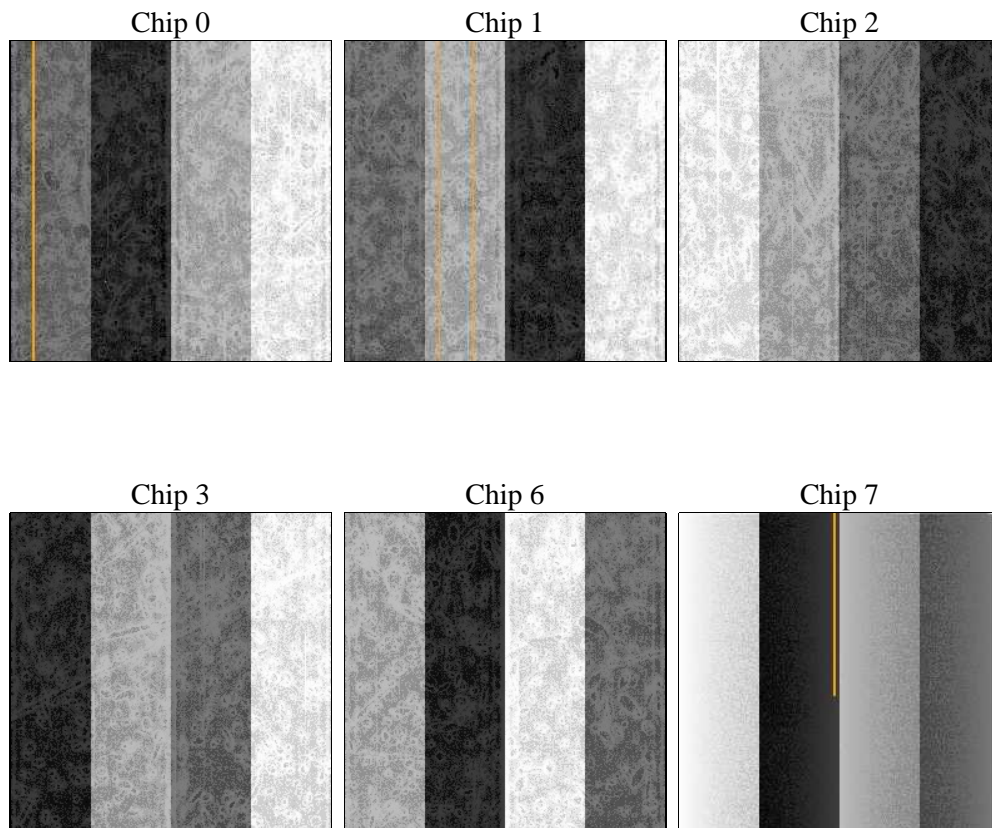
## 2 OBI

### 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	7797.4955599308	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4255.0708275139	Sum of GTIs [s]
date	2012-10-24T15:39:33	Date and time of file creation	ontime1	4332.8137605488	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4154.997279793	Sum of GTIs [s]
			ontime3	4197.1301926672	Sum of GTIs [s]
			ontime6	4595.2517066598	Sum of GTIs [s]
			ontime7	7797.4955599308	Sum of GTIs [s]
			l1events	1424967	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	201330	206481	201855	205591	229316	380394	grade 0 events	95556	97907	97161	97759	108065	85150
rejected events	27974	29045	28948	31569	31044	41729		47%	47%	48%	47%	47%	22%
rejected %	13%	14%	14%	15%	13%	10%	grade 1 events	509	486	554	593	557	216
								0%	0%	0%	0%	0%	0%
							grade 2 events	30144	31341	29204	29956	34385	75455
								14%	15%	14%	14%	14%	19%
							grade 3 events	11286	11174	11301	11305	12471	34699
								5%	5%	5%	5%	5%	9%
							grade 4 events	11005	11156	11306	11314	12239	33801
								5%	5%	5%	5%	5%	8%
							grade 5 events	1967	2065	1888	2025	2224	8255
								0%	1%	0%	0%	0%	2%
							grade 6 events	25365	25858	23935	23688	31112	109560
								12%	12%	11%	11%	13%	28%
							grade 7 events	25498	26494	26506	28951	28263	33258
								12%	12%	13%	14%	12%	8%

## 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	148.9730910442918	Alternating exposures requested	N	N
[deg] Pointing Dec	0	59.97475654582922	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	209.0637175781495			
[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)	164025556.754617	164025555.72991			
Observation start date	2003-03-14T10:39:17	2003-03-14T10:39:15			
[s] Observation end time (MET)	164036833.805092	164036832.78039			
Observation end date	2003-03-14T13:47:14	2003-03-14T13:47:12			
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)	2012.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7974955599308

### A.2 Comments