

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61127 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 11 2012

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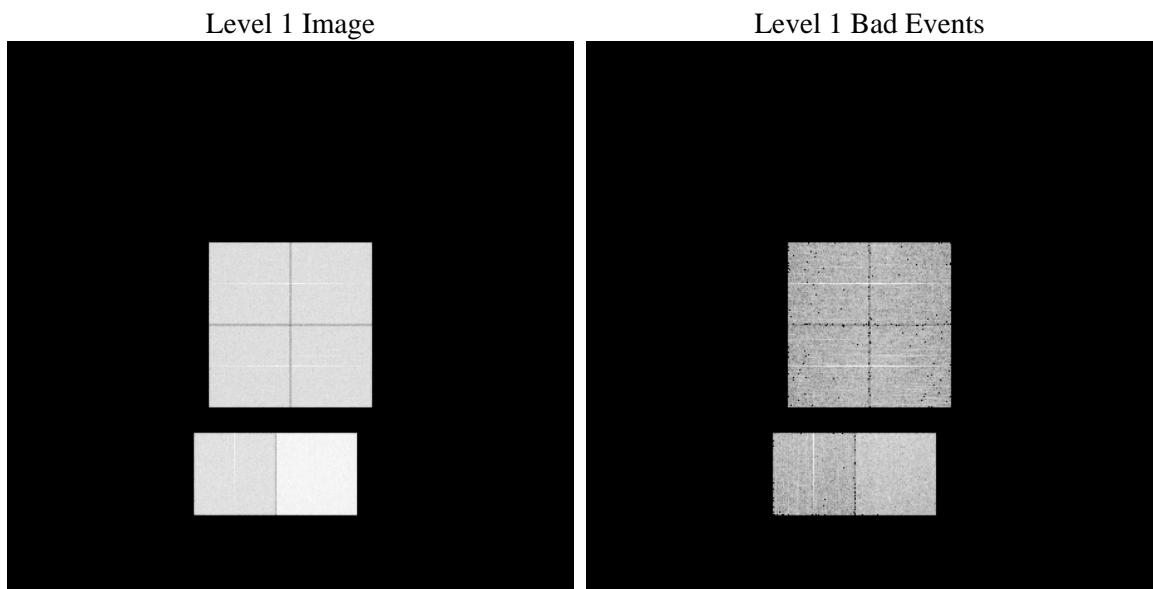
# 1 Front

seq_num	&#160	Sequence number
obs_id	61127	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	163.69725613543	Nominal RA [deg]
dec_nom	-20.828503801547	Nominal Dec [deg]
roll_nom	232.01528889906	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8351.6290781796	Sum of GTIs [s]
livetime	8245.8757220444	Livetime [s]
ontime0	3759.1331187487	Sum of GTIs [s]
ontime1	3895.2154795229	Sum of GTIs [s]
ontime2	3684.508664757	Sum of GTIs [s]
ontime3	3736.9099214077	Sum of GTIs [s]
ontime6	4018.2902883589	Sum of GTIs [s]
ontime7	8351.6290781796	Sum of GTIs [s]
l2events	1291921	Number of level 2 events

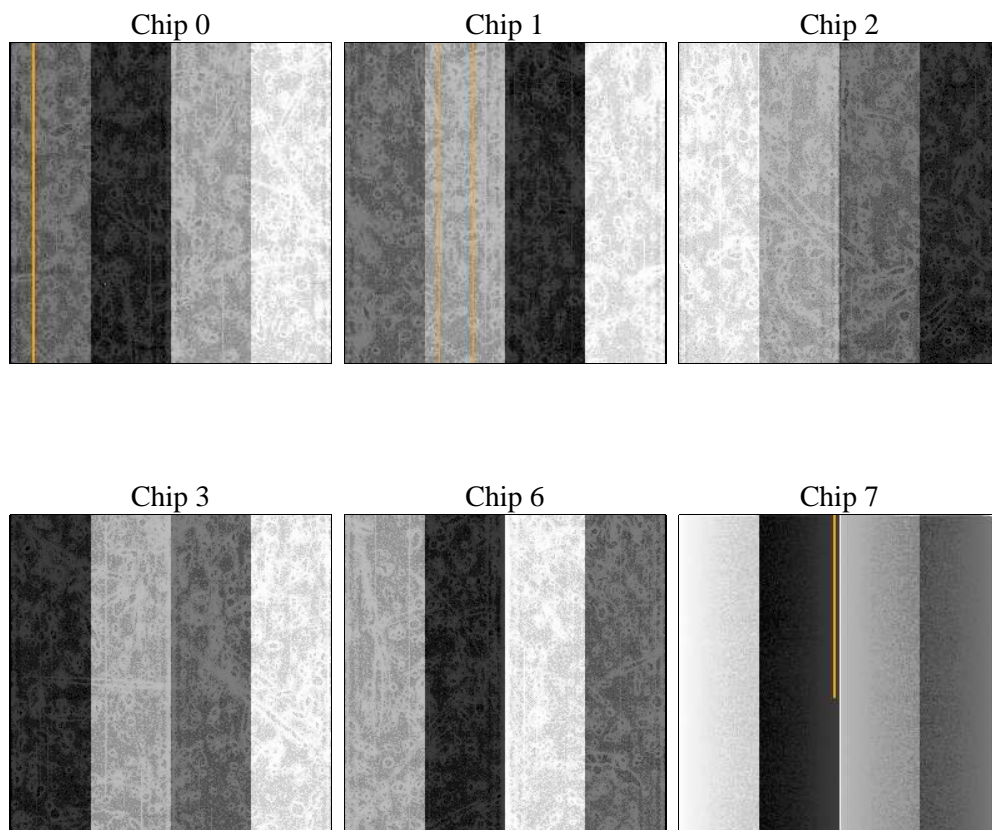
## 2 OBI

### 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	8351.6290781796	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	3759.1331187487	Sum of GTIs [s]
date	2012-10-11T23:55:35	Date and time of file creation	ontime1	3895.2154795229	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3684.508664757	Sum of GTIs [s]
			ontime3	3736.9099214077	Sum of GTIs [s]
			ontime6	4018.2902883589	Sum of GTIs [s]
			ontime7	8351.6290781796	Sum of GTIs [s]
			l1events	1556761	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	210480	216289	207915	213565	234721	473791	grade 0 events	100475	104216	99830	102864	111044	106241
rejected events	30428	29680	30049	32162	33324	52771		47%	48%	48%	48%	47%	22%
rejected %	14%	13%	14%	15%	14%	11%	grade 1 events	494	470	505	515	551	273
								0%	0%	0%	0%	0%	0%
							grade 2 events	32511	33363	32094	32089	35650	93952
								15%	15%	15%	15%	15%	19%
							grade 3 events	11601	11754	11139	11582	12341	42853
								5%	5%	5%	5%	5%	9%
							grade 4 events	11414	11699	11186	11652	12416	42350
								5%	5%	5%	5%	5%	8%
							grade 5 events	1861	1944	1763	1831	2239	9376
								0%	0%	0%	0%	0%	1%
							grade 6 events	26572	27585	26052	25784	32654	141244
								12%	12%	12%	12%	13%	29%
							grade 7 events	25552	25258	25346	27248	27826	37502
								12%	11%	12%	12%	11%	7%

## 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	163.6972561354291	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-20.82850380154658	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	232.0152888990557			
[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)	143043285.181886	143043284.15716			
Observation start date	2002-07-14T14:14:45	2002-07-14T14:14:44			
[s] Observation end time (MET)	143064594.932762	143064593.90804			
Observation end date	2002-07-14T20:09:55	2002-07-14T20:09:53			
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)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3516290781796

### A.2 Comments