

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61425 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 26 2012

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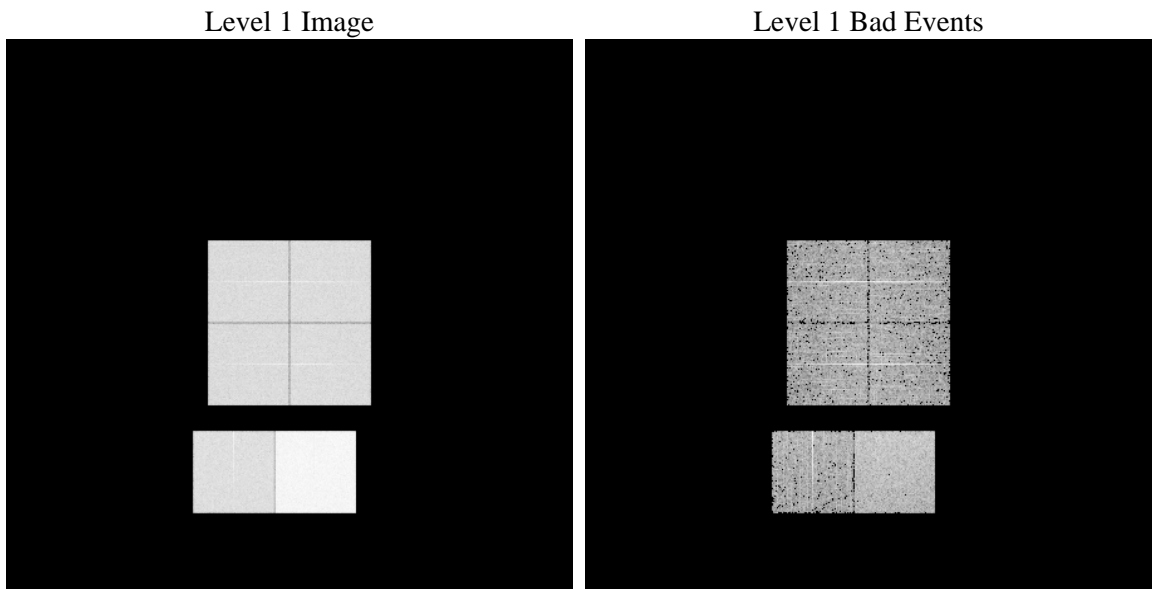
# 1 Front

seq_num	&#160	Sequence number
obs_id	61425	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	321.04710037182	Nominal RA [deg]
dec_nom	-60.016272075884	Nominal Dec [deg]
roll_nom	292.64415164533	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7173.8623121232	Sum of GTIs [s]
livetime	7083.0225479458	Livetime [s]
ontime0	2858.5941527784	Sum of GTIs [s]
ontime1	2900.7266958058	Sum of GTIs [s]
ontime2	2782.213748917	Sum of GTIs [s]
ontime3	2861.8348141015	Sum of GTIs [s]
ontime6	3069.2596487999	Sum of GTIs [s]
ontime7	7173.8623121232	Sum of GTIs [s]
l2events	1231794	Number of level 2 events

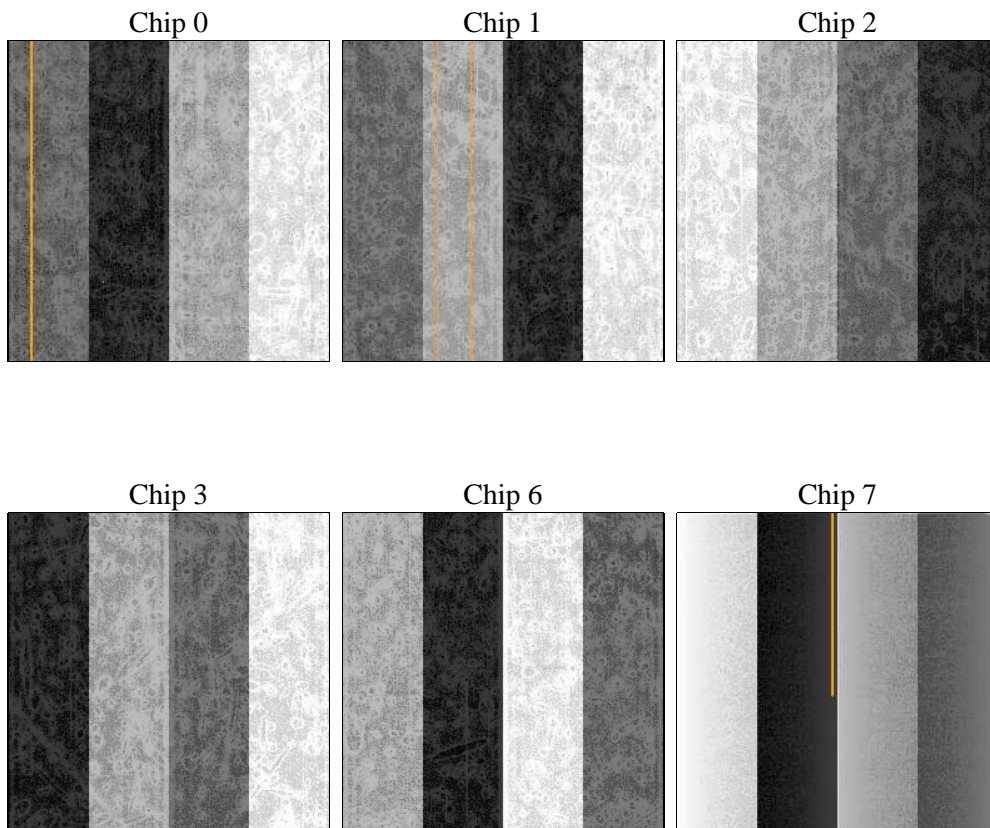
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7173.8623121232	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2858.5941527784	Sum of GTIs [s]
date	2012-09-26T06:57:27	Date and time of file creation	ontime1	2900.7266958058	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2782.213748917	Sum of GTIs [s]
			ontime3	2861.8348141015	Sum of GTIs [s]
			ontime6	3069.2596487999	Sum of GTIs [s]
			ontime7	7173.8623121232	Sum of GTIs [s]
			l1events	1423279	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	185204	189345	183613	188996	209281	466840	grade 0 events	90985	93295	90695	94366	101871	110286
rejected events	19737	20305	20727	20873	22108	36047		49%	49%	49%	49%	48%	23%
rejected %	10%	10%	11%	11%	10%	7%	grade 1 events	456	461	429	459	505	305
								0%	0%	0%	0%	0%	0%
							grade 2 events	29178	29904	28521	29413	32378	95532
								15%	15%	15%	15%	15%	20%
							grade 3 events	10396	10713	10318	10606	11708	43871
								5%	5%	5%	5%	5%	9%
							grade 4 events	10525	10595	10260	10606	11692	43808
								5%	5%	5%	5%	5%	9%
							grade 5 events	1501	1472	1405	1508	1723	7493
								0%	0%	0%	0%	0%	1%
							grade 6 events	24383	24533	23252	23132	29524	137504
								13%	12%	12%	12%	14%	29%
							grade 7 events	17780	18372	18733	18906	19880	28041
								9%	9%	10%	10%	9%	6%

## 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	321.0471003718166	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-60.01627207588374	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	292.6441516453272			
[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)	120616831.368	120616830.59989			
Observation start date	2001-10-28T00:40:31	2001-10-28T00:40:30			
[s] Observation end time (MET)	120650742.47	120650741.70124			
Observation end date	2001-10-28T10:05:42	2001-10-28T10:05:41			
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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.1738623121232

### A.2 Comments