

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61816 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Sep 5 2012

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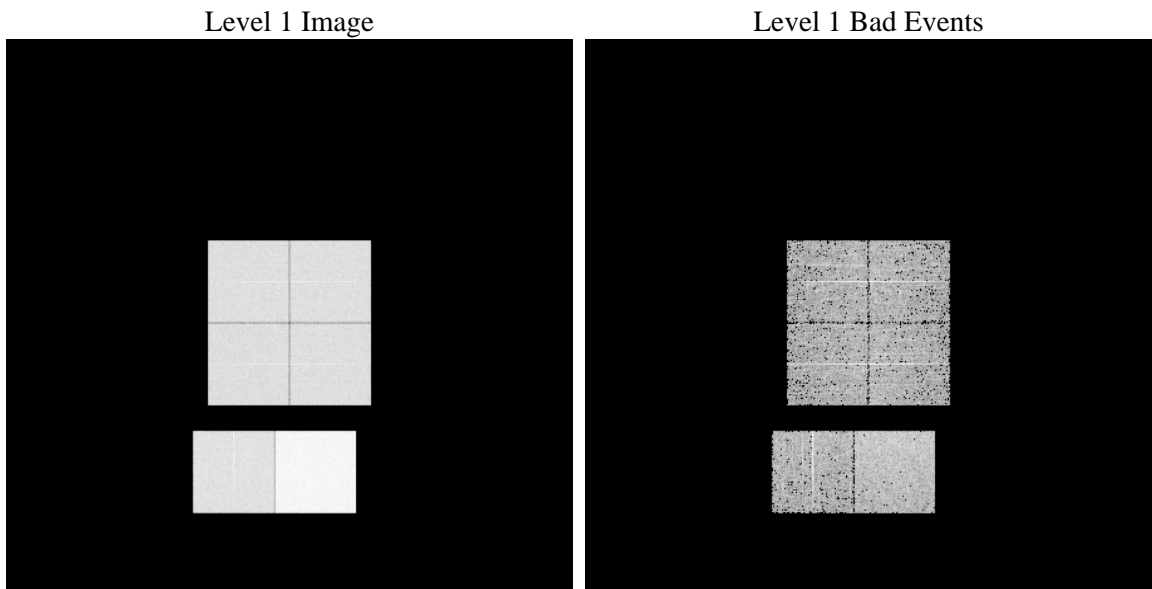
# 1 Front

seq_num	&#160	Sequence number
obs_id	61816	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	24.424092627853	Nominal RA [deg]
dec_nom	5.0541170710065	Nominal Dec [deg]
roll_nom	293.99406707752	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5618.3617982864	Sum of GTIs [s]
livetime	5547.2187182252	Livetime [s]
ontime0	2430.7777409405	Sum of GTIs [s]
ontime1	2480.9963437468	Sum of GTIs [s]
ontime2	2359.4752798378	Sum of GTIs [s]
ontime3	2382.1622906774	Sum of GTIs [s]
ontime6	2594.3509126157	Sum of GTIs [s]
ontime7	5618.3617982864	Sum of GTIs [s]
l2events	1254353	Number of level 2 events

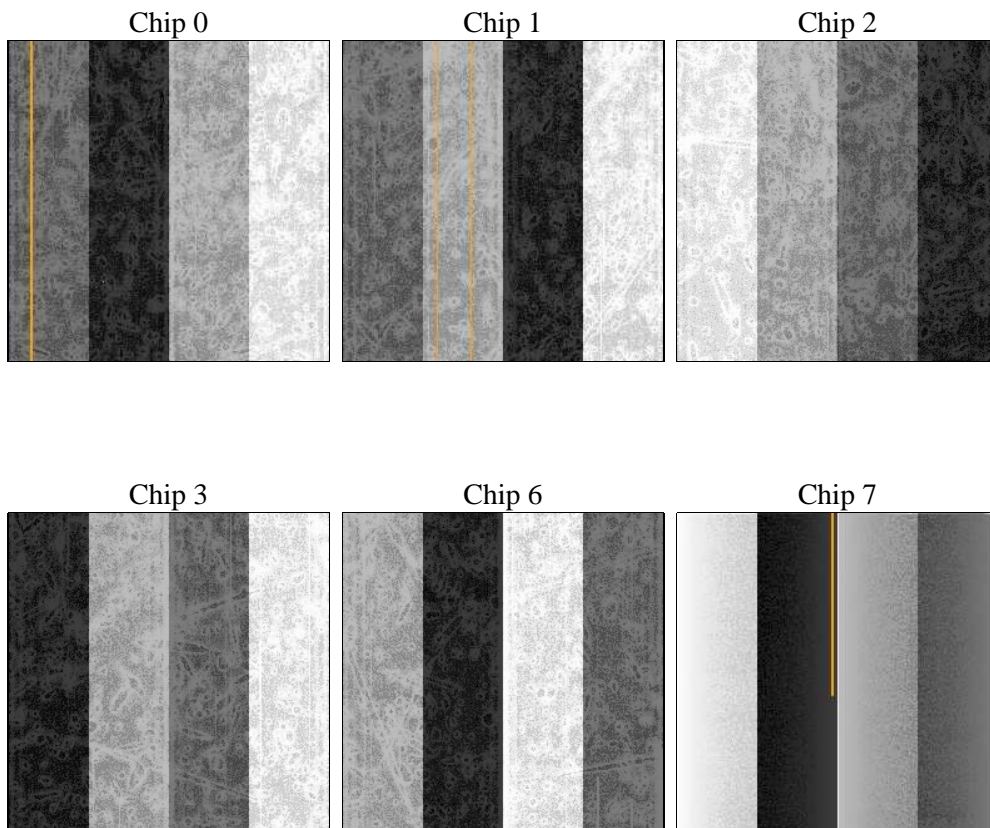
## 2 OBI

### 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	5618.3617982864	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2430.7777409405	Sum of GTIs [s]
date	2012-09-05T03:48:23	Date and time of file creation	ontime1	2480.9963437468	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2359.4752798378	Sum of GTIs [s]
			ontime3	2382.1622906774	Sum of GTIs [s]
			ontime6	2594.3509126157	Sum of GTIs [s]
			ontime7	5618.3617982864	Sum of GTIs [s]
			l1events	1428855	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	192957	195725	189128	192509	215656	442880	grade 0 events	97059	98076	95517	97170	107276	105581
rejected events	17784	18516	17847	18919	19885	27929		50%	50%	50%	50%	49%	23%
rejected %	9%	9%	9%	9%	9%	6%	grade 1 events	469	469	491	486	527	280
								0%	0%	0%	0%	0%	0%
							grade 2 events	30840	31364	30199	30772	33896	92552
								15%	16%	15%	15%	15%	20%
							grade 3 events	10964	11285	10803	11040	12016	42419
								5%	5%	5%	5%	5%	9%
							grade 4 events	11118	11237	10631	10858	11974	41715
								5%	5%	5%	5%	5%	9%
							grade 5 events	1423	1431	1332	1393	1606	6185
								0%	0%	0%	0%	0%	1%
							grade 6 events	25307	25467	24131	23750	30969	132684
								13%	13%	12%	12%	14%	29%
							grade 7 events	15777	16396	16024	17040	17392	21464
								8%	8%	8%	8%	8%	4%

## 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	24.4240926278528	Alternating exposures requested	N	N
[deg] Pointing Dec	0	5.054117071006487	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	293.9940670775227			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	93428861.10880201	93428860.34033599			
Observation start date	2000-12-17T08:27:41	2000-12-17T08:27:40			
[s] Observation end time (MET)	93439894.209224	93439893.440758			
Observation end date	2000-12-17T11:31:34	2000-12-17T11:31:33			
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)	2012.09.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6183617982864

### A.2 Comments