

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60878 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 21 2012

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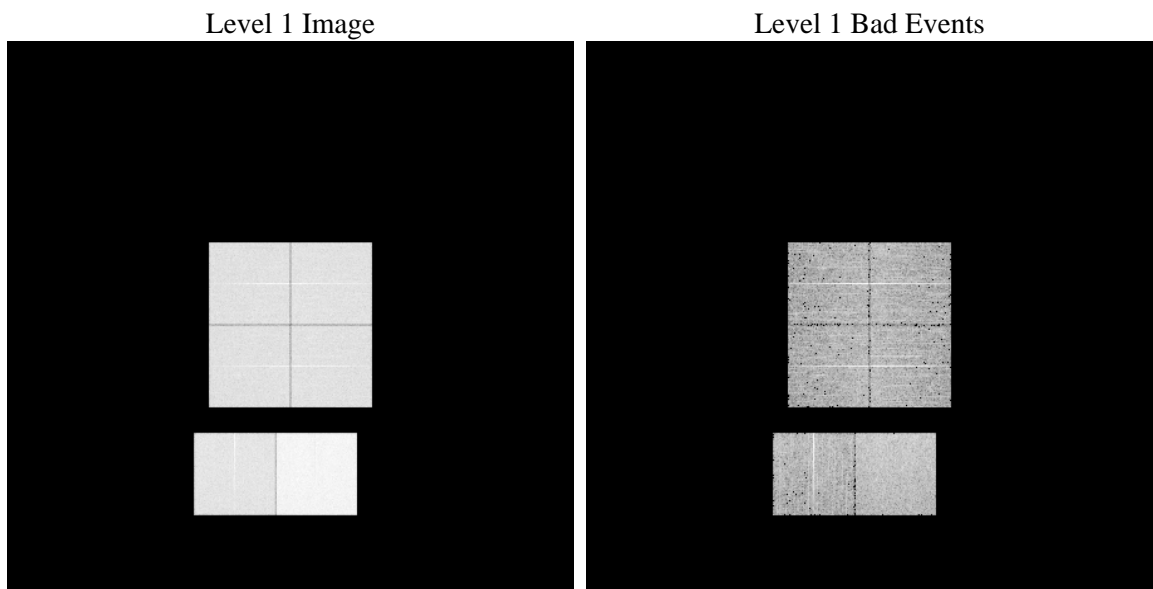
# 1 Front

seq_num	&#160	Sequence number
obs_id	60878	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	49.773897184685	Nominal RA [deg]
dec_nom	-5.5158500731611	Nominal Dec [deg]
roll_nom	293.45299125372	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8465.6953072548	Sum of GTIs [s]
livetime	8358.4975758446	Livetime [s]
ontime0	4385.1118644774	Sum of GTIs [s]
ontime1	4524.4732767344	Sum of GTIs [s]
ontime2	4326.7737324834	Sum of GTIs [s]
ontime3	4359.1837639213	Sum of GTIs [s]
ontime6	4764.3080437481	Sum of GTIs [s]
ontime7	8465.6953072548	Sum of GTIs [s]
l2events	1286095	Number of level 2 events

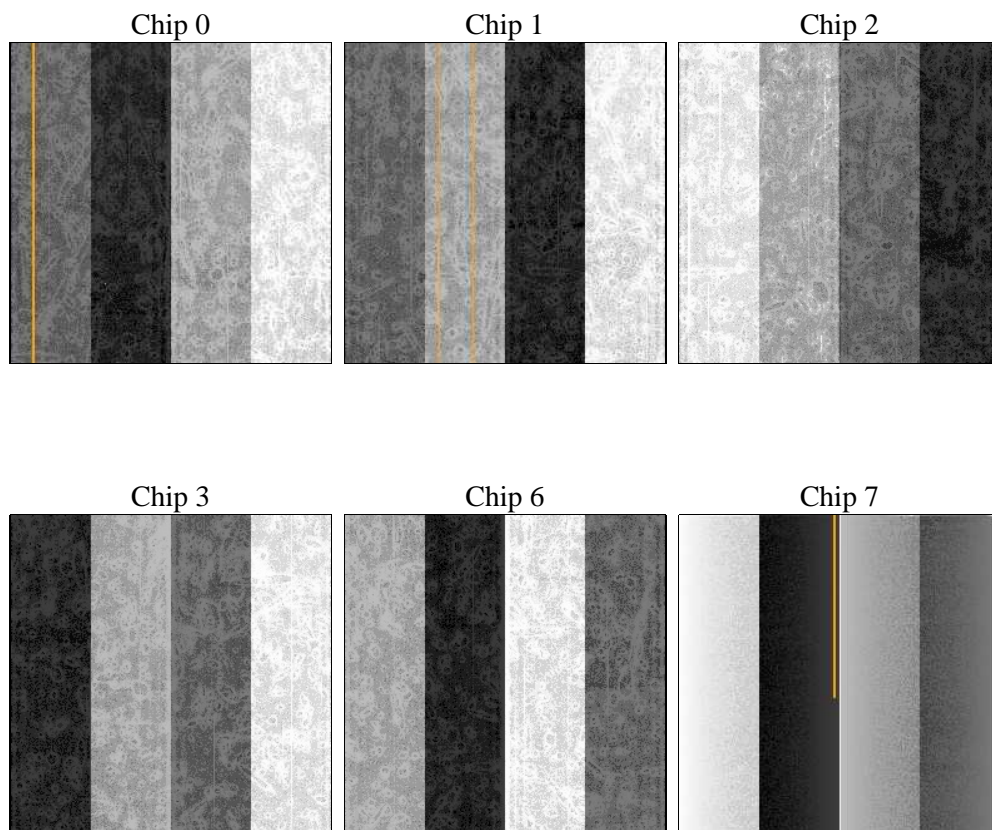
## 2 OBI

### 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	8465.6953072548	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	4385.1118644774	Sum of GTIs [s]
date	2012-10-21T04:18:01	Date and time of file creation	ontime1	4524.4732767344	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4326.7737324834	Sum of GTIs [s]
			ontime3	4359.1837639213	Sum of GTIs [s]
			ontime6	4764.3080437481	Sum of GTIs [s]
			ontime7	8465.6953072548	Sum of GTIs [s]
			l1events	1547220	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	216350	223122	215907	219544	245814	426483	grade 0 events	103303	105911	104417	105575	115516	95167
rejected events	29586	31217	29821	32343	33859	46059		47%	47%	48%	48%	46%	22%
rejected %	13%	13%	13%	14%	13%	10%	grade 1 events	551	535	675	623	564	256
								0%	0%	0%	0%	0%	0%
							grade 2 events	32404	33801	31335	31767	36493	83608
								14%	15%	14%	14%	14%	19%
							grade 3 events	12205	12046	12076	12167	13194	38669
								5%	5%	5%	5%	5%	9%
							grade 4 events	11886	12135	12109	12125	13115	38471
								5%	5%	5%	5%	5%	9%
							grade 5 events	2045	2046	2018	2104	2327	8975
								0%	0%	0%	0%	0%	2%
							grade 6 events	26966	28012	26149	25567	33637	124656
								12%	12%	12%	11%	13%	29%
							grade 7 events	26990	28636	27128	29616	30968	36681
								12%	12%	12%	13%	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	49.77389718468501	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-5.515850073161059	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	293.4529912537153			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	159263560.304616	159263559.27989			
Observation start date	2003-01-18T07:52:40	2003-01-18T07:52:39			
[s] Observation end time (MET)	159287284.955609	159287283.93089			
Observation end date	2003-01-18T14:28:05	2003-01-18T14:28:03			
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)	2012.11.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4656953072548

### A.2 Comments