

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 60007 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 9 2012

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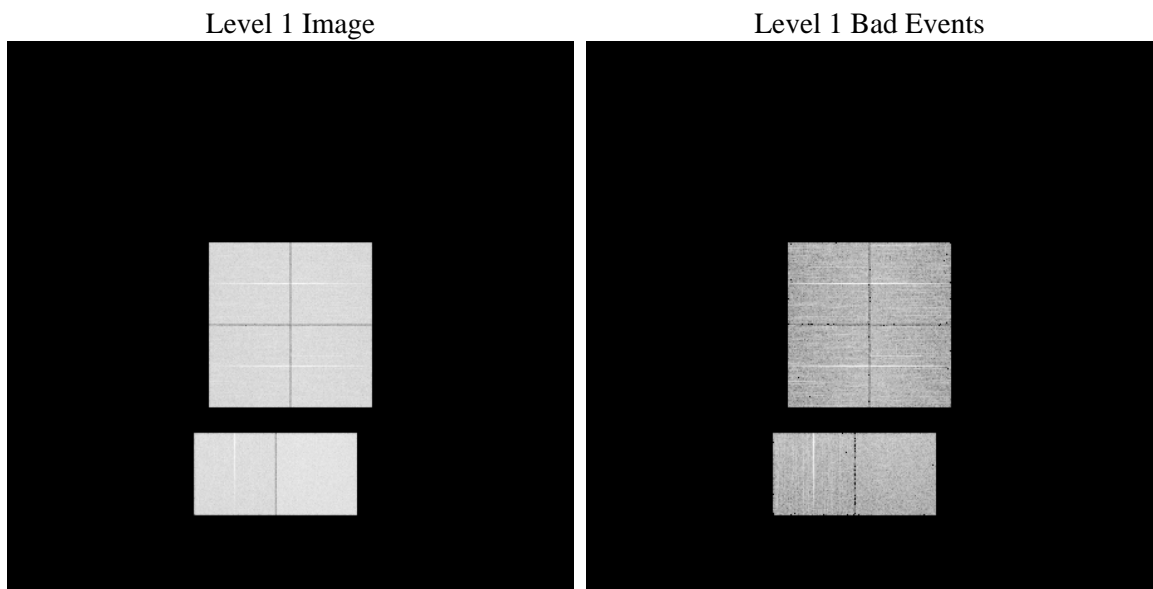
# 1 Front

seq_num	&#160	Sequence number
obs_id	60007	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	13.028708303199	Nominal RA [deg]
dec_nom	1.0004970366412	Nominal Dec [deg]
roll_nom	327.95787751471	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8278.3999691606	Sum of GTIs [s]
livetime	8173.573884097	Livetime [s]
ontime0	6589.8536087275	Sum of GTIs [s]
ontime1	6776.3213673234	Sum of GTIs [s]
ontime2	6307.8888052702	Sum of GTIs [s]
ontime3	6586.6126092374	Sum of GTIs [s]
ontime6	7027.3849772215	Sum of GTIs [s]
ontime7	8278.3999691606	Sum of GTIs [s]
l2events	1132586	Number of level 2 events

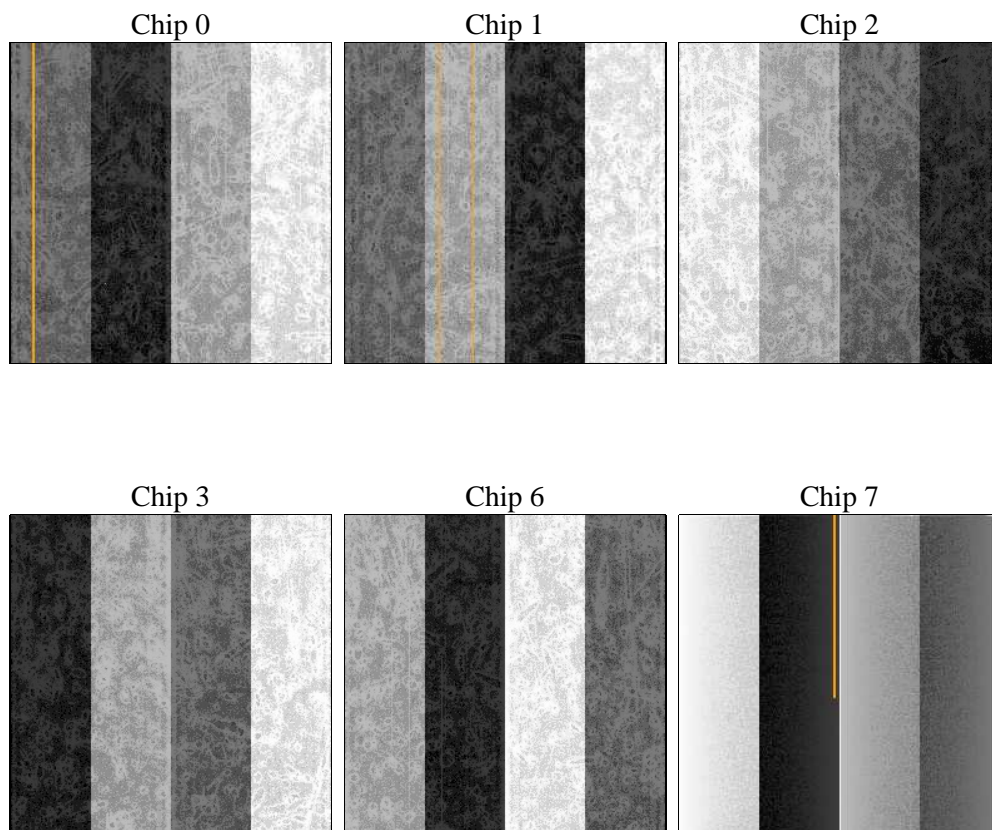
## 2 OBI

### 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	8.5	Processing system revision	ontime	8278.3999691606	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime0	6589.8536087275	Sum of GTIs [s]
date	2012-12-10T00:51:07	Date and time of file creation	ontime1	6776.3213673234	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	6307.8888052702	Sum of GTIs [s]
			ontime3	6586.6126092374	Sum of GTIs [s]
			ontime6	7027.3849772215	Sum of GTIs [s]
			ontime7	8278.3999691606	Sum of GTIs [s]
			l1events	1498685	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	230992	238800	225707	235755	257805	309626	grade 0 events	100149	102362	98342	103142	110678	61614
rejected events	48859	51507	49931	51850	54068	53432		43%	42%	43%	43%	42%	19%
rejected %	21%	21%	22%	21%	20%	17%	grade 1 events	626	544	641	635	589	194
								0%	0%	0%	0%	0%	0%
							grade 2 events	32220	33196	29837	31377	35454	56404
								13%	13%	13%	13%	13%	18%
							grade 3 events	11730	12240	11551	12086	12846	25443
								5%	5%	5%	5%	4%	8%
							grade 4 events	11732	11964	11333	11973	12527	25186
								5%	5%	5%	5%	4%	8%
							grade 5 events	3134	3219	2779	3227	3477	9554
								1%	1%	1%	1%	1%	3%
							grade 6 events	26465	27730	24883	25502	32531	87879
								11%	11%	11%	10%	12%	28%
							grade 7 events	44936	47545	46341	47813	49703	43352
								19%	19%	20%	20%	19%	14%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	13.02870830319869
[deg] Pointing Dec	0	1.000497036641156
[deg] Pointing Roll	0.0	327.9578775147086
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	213869299.920174	213869298.8952
Observation start date	2004-10-11T08:08:20	2004-10-11T08:08:18
[s] Observation end time (MET)	213891790.471178	213891789.44621
Observation end date	2004-10-11T14:23:10	2004-10-11T14:23:09
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2783999691606

### A.2 Comments