

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60856 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 22 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Star Slots . . . . .	6
2.4	FID Slots . . . . .	6
<b>A</b>	<b>Summary</b>	<b>7</b>
A.1	Status . . . . .	7
A.2	Comments . . . . .	7

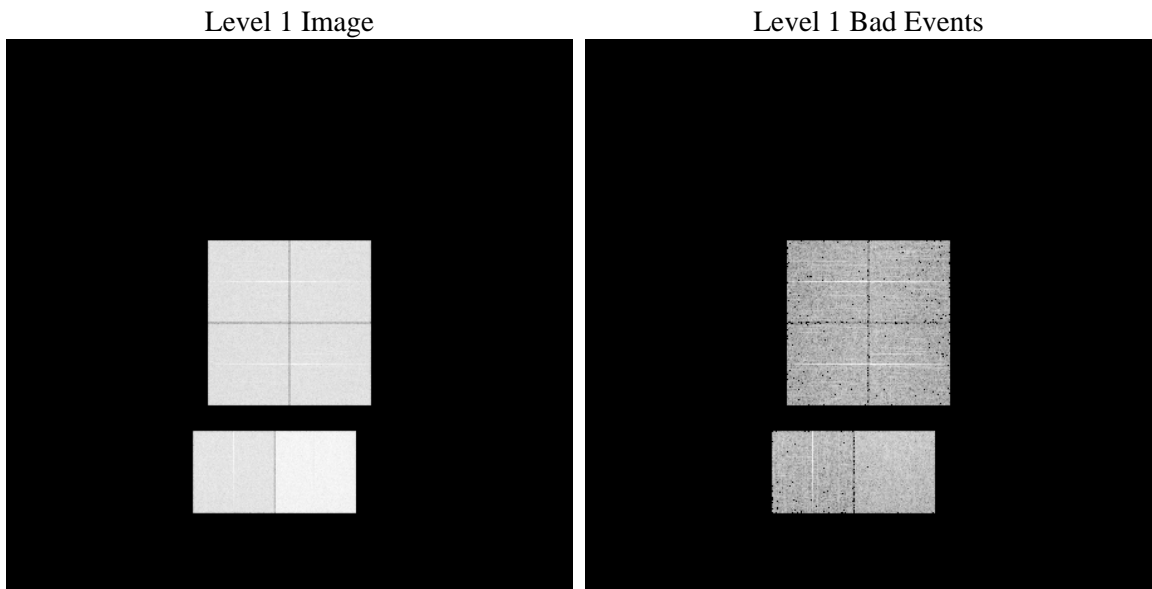
# 1 Front

seq_num	&#160	Sequence number
obs_id	60856	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	107.73119101183	Nominal RA [deg]
dec_nom	-24.703661882373	Nominal Dec [deg]
roll_nom	319.72172433758	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8463.9999684691	Sum of GTIs [s]
livetime	8356.8237044595	Livetime [s]
ontime0	4529.4567463994	Sum of GTIs [s]
ontime1	4581.5834415257	Sum of GTIs [s]
ontime2	4347.9610372782	Sum of GTIs [s]
ontime3	4500.4365622401	Sum of GTIs [s]
ontime6	4844.1860340238	Sum of GTIs [s]
ontime7	8463.9999684691	Sum of GTIs [s]
l2events	1287128	Number of level 2 events

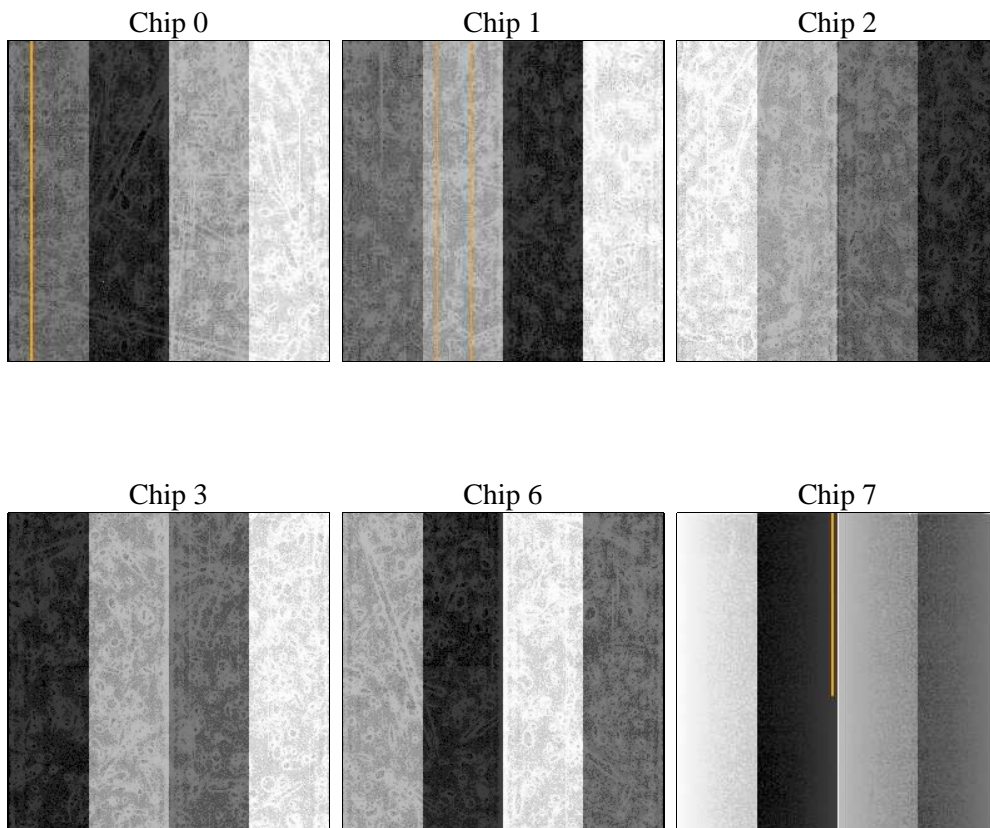
## 2 OBI

### 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	8463.9999684691	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	4529.4567463994	Sum of GTIs [s]
date	2012-10-22T08:23:12	Date and time of file creation	ontime1	4581.5834415257	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4347.9610372782	Sum of GTIs [s]
			ontime3	4500.4365622401	Sum of GTIs [s]
			ontime6	4844.1860340238	Sum of GTIs [s]
			ontime7	8463.9999684691	Sum of GTIs [s]
			l1events	1545656	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	218712	222400	214228	222366	245911	422039	grade 0 events	104519	105473	103756	107225	116208	94003
rejected events	29432	30719	29857	31813	32854	45930		47%	47%	48%	48%	47%	22%
rejected %	13%	13%	13%	14%	13%	10%	grade 1 events	587	510	615	623	525	225
								0%	0%	0%	0%	0%	0%
							grade 2 events	32953	33820	31067	32453	36648	83023
								15%	15%	14%	14%	14%	19%
							grade 3 events	12135	12090	11859	12347	13212	37969
								5%	5%	5%	5%	5%	8%
							grade 4 events	12182	12215	11881	12276	13400	37758
								5%	5%	5%	5%	5%	8%
							grade 5 events	2109	2094	1918	2184	2460	8939
								0%	0%	0%	0%	1%	2%
							grade 6 events	27491	28083	25808	26252	33589	123356
								12%	12%	12%	11%	13%	29%
							grade 7 events	26736	28115	27324	29006	29869	36766
								12%	12%	12%	13%	12%	8%

## 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	107.7311910118262
[deg] Pointing Dec	0	-24.70366188237327
[deg] Pointing Roll	0.0	319.7217243375804
[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)	160874087.52214	160874086.49742
Observation start date	2003-02-05T23:14:48	2003-02-05T23:14:46
[s] Observation end time (MET)	160888201.772733	160888200.74801
Observation end date	2003-02-06T03:10:02	2003-02-06T03:10:00
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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4639999684691

### A.2 Comments