

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62017 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 29 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

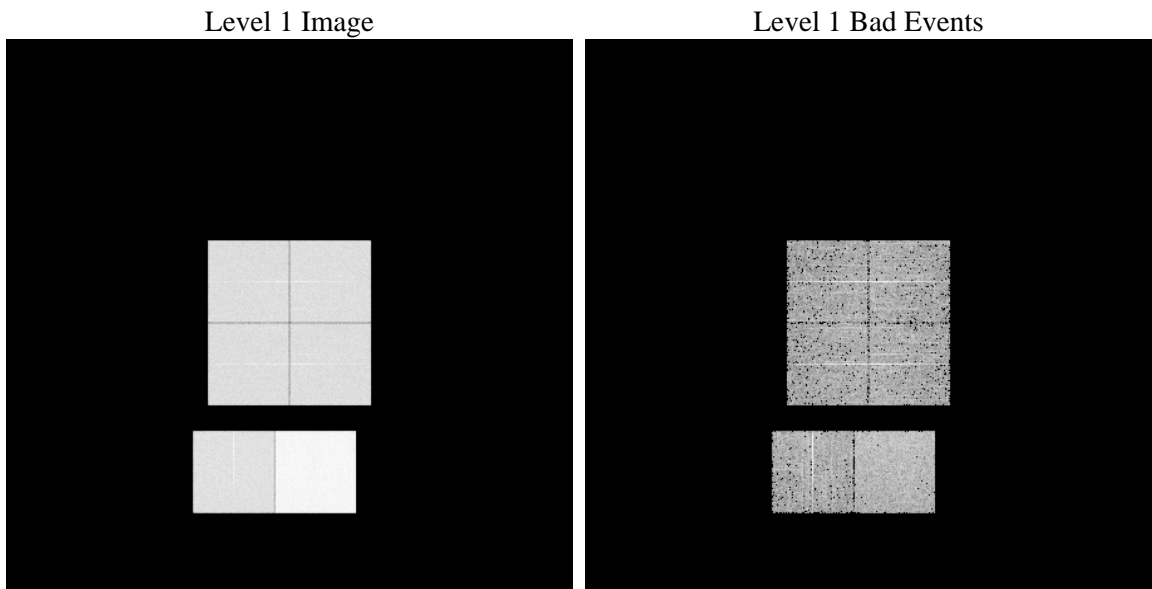
# 1 Front

seq_num	&#160	Sequence number
obs_id	62017	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	140.9750664454	Nominal RA [deg]
dec_nom	-61.577946717775	Nominal Dec [deg]
roll_nom	223.347229251	Nominal Roll [deg]
revision	5	Processing version of data
ontime	5552.0099982172	Sum of GTIs [s]
livetime	5481.7071046007	Livetime [s]
ontime0	2304.377688989	Sum of GTIs [s]
ontime1	2369.2630179077	Sum of GTIs [s]
ontime2	2278.4494288415	Sum of GTIs [s]
ontime3	2275.2085384578	Sum of GTIs [s]
ontime6	2466.4297782928	Sum of GTIs [s]
ontime7	5552.0099982172	Sum of GTIs [s]
l2events	1365595	Number of level 2 events

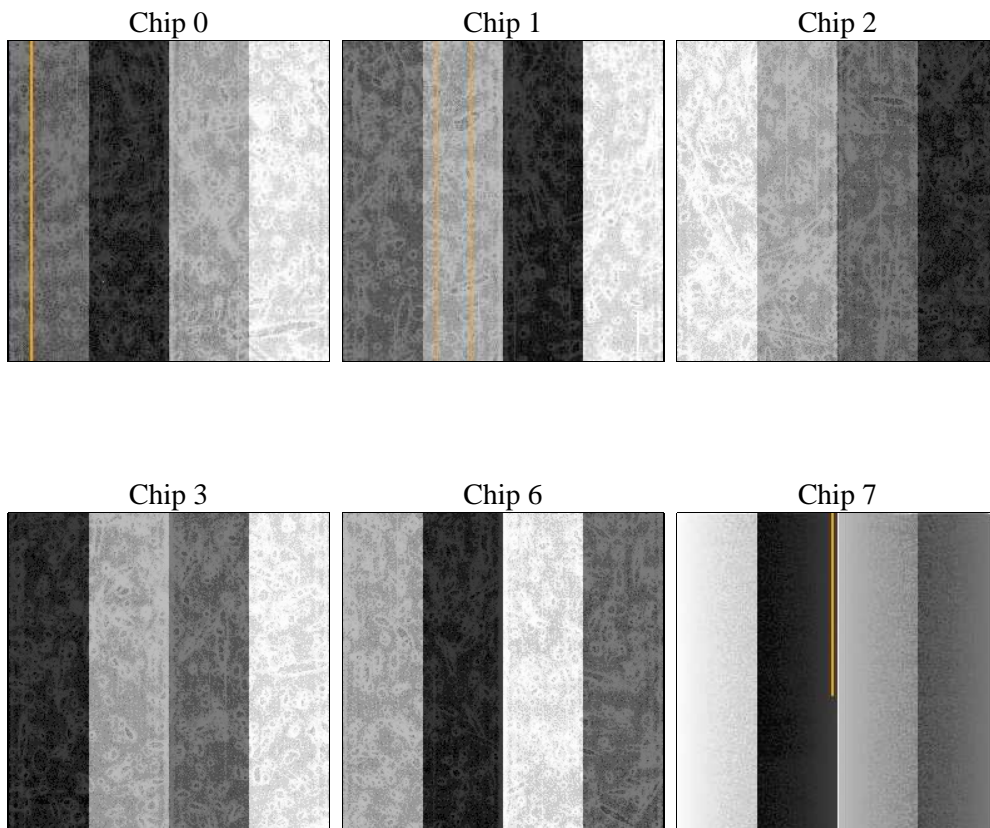
## 2 OBI

### 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	5552.0099982172	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime0	2304.377688989	Sum of GTIs [s]
date	2012-08-29T15:16:04	Date and time of file creation	ontime1	2369.2630179077	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	2278.4494288415	Sum of GTIs [s]
			ontime3	2275.2085384578	Sum of GTIs [s]
			ontime6	2466.4297782928	Sum of GTIs [s]
			ontime7	5552.0099982172	Sum of GTIs [s]
			l1events	1553057	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	204890	211101	205918	207501	232038	491609	grade 0 events	102444	105408	103777	104511	114841	118384
rejected events	19054	20286	19624	21067	21547	28713		49%	49%	50%	50%	49%	24%
rejected %	9%	9%	9%	10%	9%	5%	grade 1 events	561	605	571	626	576	319
								0%	0%	0%	0%	0%	0%
							grade 2 events	32709	33665	32540	32525	36398	102884
								15%	15%	15%	15%	15%	20%
							grade 3 events	11743	12148	11877	11831	13061	47694
								5%	5%	5%	5%	5%	9%
							grade 4 events	11764	12121	11754	11737	13215	47088
								5%	5%	5%	5%	5%	9%
							grade 5 events	1421	1527	1438	1449	1668	6584
								0%	0%	0%	0%	0%	1%
							grade 6 events	27176	27753	26346	25830	33258	147114
								13%	13%	12%	12%	14%	29%
							grade 7 events	17072	17874	17615	18992	19021	21542
								8%	8%	8%	9%	8%	4%

## 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	140.9750664453971
[deg] Pointing Dec	0	-61.57794671777485
[deg] Pointing Roll	0.0	223.3472292509975
[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)	78168777.38500001	78168776.616595
Observation start date	2000-06-23T17:32:57	2000-06-23T17:32:56
[s] Observation end time (MET)	78179287.735	78179286.96698201
Observation end date	2000-06-23T20:28:08	2000-06-23T20:28:06
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	0.000000	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5520099982172

### A.2 Comments