

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61038 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Oct 13 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

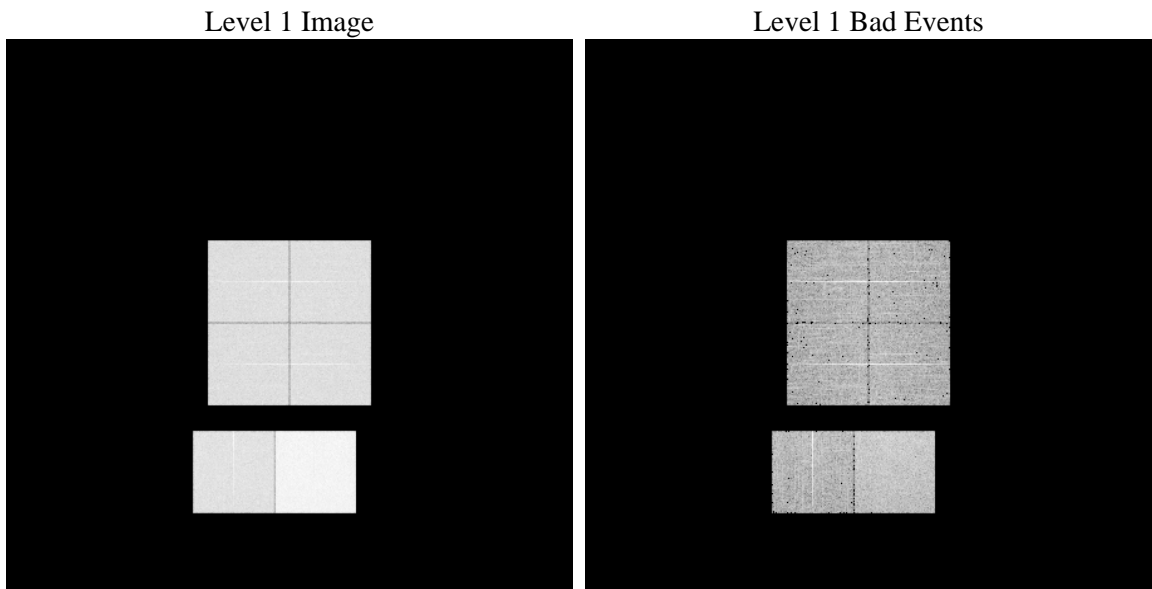
# 1 Front

seq_num	&#160	Sequence number
obs_id	61038	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	312.0427563187	Nominal RA [deg]
dec_nom	-50.007504442978	Nominal Dec [deg]
roll_nom	312.96762881993	Nominal Roll [deg]
revision	4	Processing version of data
ontime	8252.7999692559	Sum of GTIs [s]
livetime	8148.2980468057	Livetime [s]
ontime0	3940.1599498987	Sum of GTIs [s]
ontime1	3969.3705494106	Sum of GTIs [s]
ontime2	3804.120601058	Sum of GTIs [s]
ontime3	3916.3728865981	Sum of GTIs [s]
ontime6	4244.937931031	Sum of GTIs [s]
ontime7	8252.7999692559	Sum of GTIs [s]
l2events	1280699	Number of level 2 events

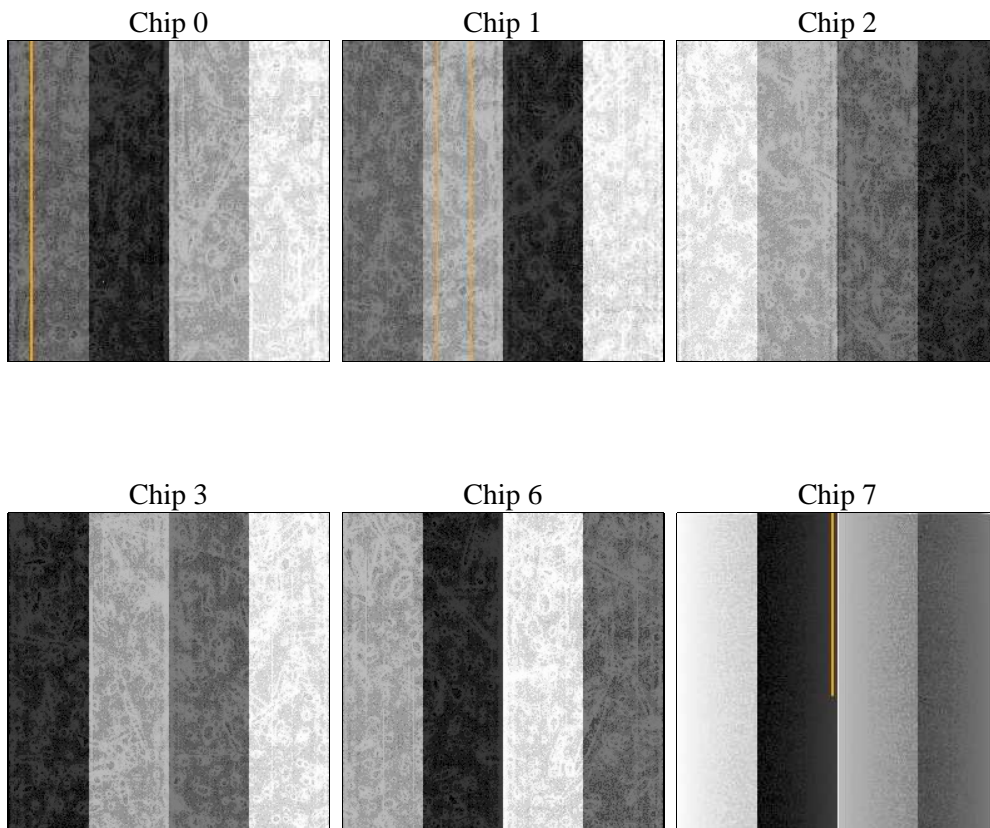
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5040	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8252.7999692559	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	3940.1599498987	Sum of GTIs [s]
date	2012-10-13T09:02:19	Date and time of file creation	ontime1	3969.3705494106	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	3804.120601058	Sum of GTIs [s]
			ontime3	3916.3728865981	Sum of GTIs [s]
			ontime6	4244.937931031	Sum of GTIs [s]
			ontime7	8252.7999692559	Sum of GTIs [s]
			l1events	1553512	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	213996	216518	210874	216573	242454	453097	grade 0 events	103422	104644	103656	106198	116294	101940
rejected events	31635	31094	31606	32997	35490	53556		48%	48%	49%	49%	47%	22%
rejected %	14%	14%	14%	15%	14%	11%	grade 1 events	590	505	618	625	549	235
								0%	0%	0%	0%	0%	0%
							grade 2 events	32568	33476	30407	31557	36387	90650
								15%	15%	14%	14%	15%	20%
							grade 3 events	11923	11976	11931	12271	12940	41481
								5%	5%	5%	5%	5%	9%
							grade 4 events	12020	12068	11993	12282	13117	40760
								5%	5%	5%	5%	5%	8%
							grade 5 events	1939	1874	1799	1973	2207	8517
								0%	0%	0%	0%	0%	1%
							grade 6 events	27006	27801	25825	26021	33936	134876
								12%	12%	12%	12%	13%	29%
							grade 7 events	24528	24174	24645	25646	27024	34638
								11%	11%	11%	11%	11%	7%

## 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	312.0427563187047	312.0427563187043
[deg] Pointing Dec	-50.00750444297768	-50.00750444297785
[deg] Pointing Roll	312.9676288199261	312.9676288199278
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	148081584.739408	148081584.739408
Observation start date	2002-09-10T21:55:00	2002-09-10T21:46:24
[s] Observation end time (MET)	148092210.843706	148092210.843706
Observation end date	2002-09-10T23:19:00	2002-09-11T00:43:30
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2527999692559

### A.2 Comments