

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61937 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 1 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

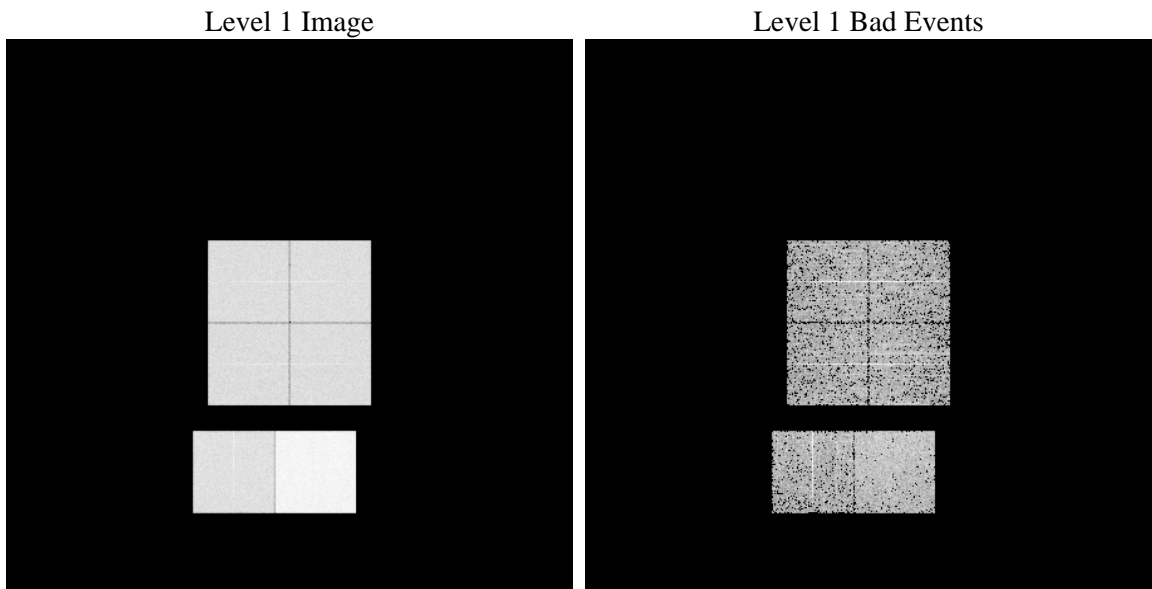
# 1 Front

seq_num	&#160	Sequence number
obs_id	61937	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	76.942190187252	Nominal RA [deg]
dec_nom	-3.0574274325706	Nominal Dec [deg]
roll_nom	95.765382401464	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4121.06476596	Sum of GTIs [s]
livetime	4068.8813624861	Livetime [s]
ontime0	1817.2399439812	Sum of GTIs [s]
ontime1	1852.9323340654	Sum of GTIs [s]
ontime2	1746.0195429027	Sum of GTIs [s]
ontime3	1745.855313167	Sum of GTIs [s]
ontime6	1937.2817828953	Sum of GTIs [s]
ontime7	4121.06476596	Sum of GTIs [s]
l2events	994946	Number of level 2 events

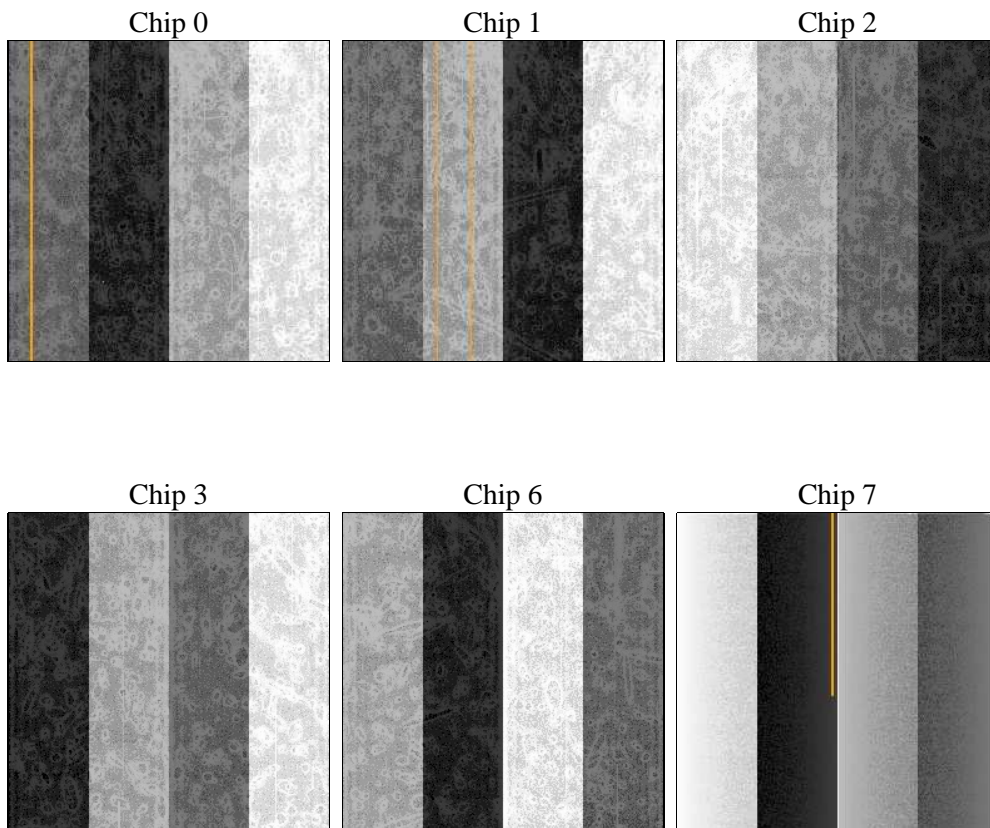
## 2 OBI

### 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	4121.06476596	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime0	1817.2399439812	Sum of GTIs [s]
date	2012-09-01T17:56:16	Date and time of file creation	ontime1	1852.9323340654	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1746.0195429027	Sum of GTIs [s]
			ontime3	1745.855313167	Sum of GTIs [s]
			ontime6	1937.2817828953	Sum of GTIs [s]
			ontime7	4121.06476596	Sum of GTIs [s]
			l1events	1126332	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	153322	156458	149356	150884	170496	345816	grade 0 events	76697	78909	75653	76135	84907	83869
rejected events	13509	13426	13451	14419	14664	20148		50%	50%	50%	50%	49%	24%
rejected %	8%	8%	9%	9%	8%	5%	grade 1 events	406	431	400	394	439	229
								0%	0%	0%	0%	0%	0%
							grade 2 events	24961	25200	23897	23874	27045	72136
								16%	16%	16%	15%	15%	20%
							grade 3 events	9119	9162	8586	8658	9635	33241
								5%	5%	5%	5%	5%	9%
							grade 4 events	8812	9076	8413	8859	9560	33123
								5%	5%	5%	5%	5%	9%
							grade 5 events	1106	1086	1051	1045	1301	4531
								0%	0%	0%	0%	0%	1%
							grade 6 events	20224	20685	19356	18939	24685	103299
								13%	13%	12%	12%	14%	29%
							grade 7 events	11997	11909	12000	12980	12924	15388
								7%	7%	8%	8%	7%	4%

## 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	76.94219018725244	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-3.057427432570623	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	95.76538240146425			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	84748884.029917	84748883.26145101			
Observation start date	2000-09-07T21:21:24	2000-09-07T21:21:23			
[s] Observation end time (MET)	84771272.08075801	84771271.31229199			
Observation end date	2000-09-08T03:34:32	2000-09-08T03:34:31			
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)	2012.09.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.12106476596

### A.2 Comments