

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 53823 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 29 2013

## 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

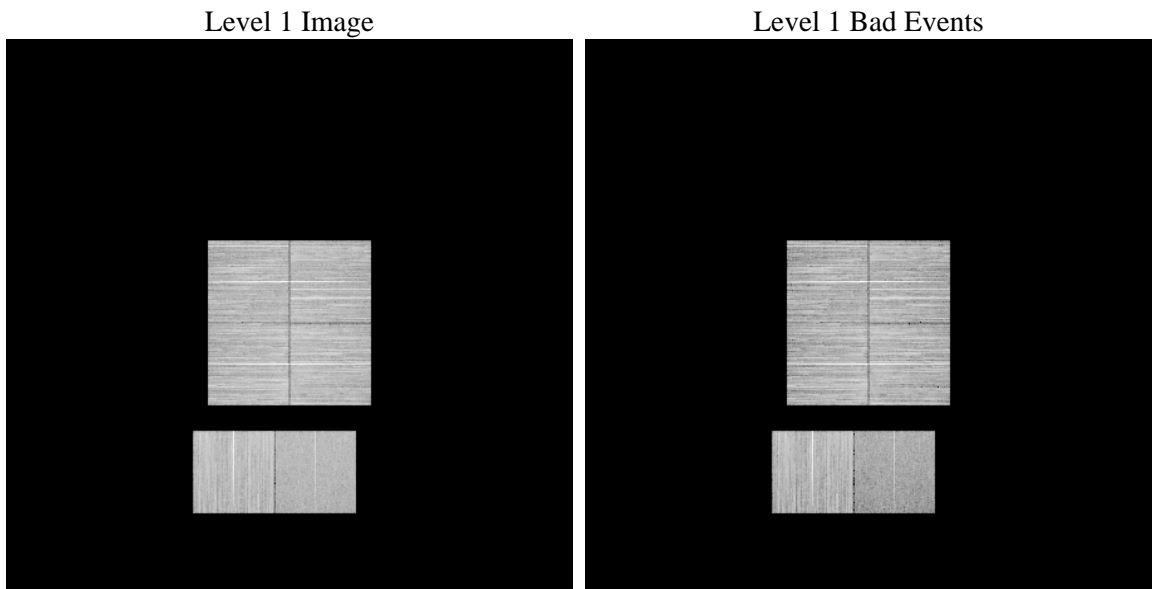
# 1 Front

seq_num	&#160	Sequence number
obs_id	53823	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	199.62840399431	Nominal RA [deg]
dec_nom	-9.9601710234171	Nominal Dec [deg]
roll_nom	72.534437484781	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8075.4183216691	Sum of GTIs [s]
livetime	7973.162512447	Livetime [s]
ontime0	8072.136261344	Sum of GTIs [s]
ontime1	8075.3362416625	Sum of GTIs [s]
ontime2	8075.2952016592	Sum of GTIs [s]
ontime3	8075.4593616724	Sum of GTIs [s]
ontime6	8075.2541616559	Sum of GTIs [s]
ontime7	8075.4183216691	Sum of GTIs [s]
l2events	210831	Number of level 2 events

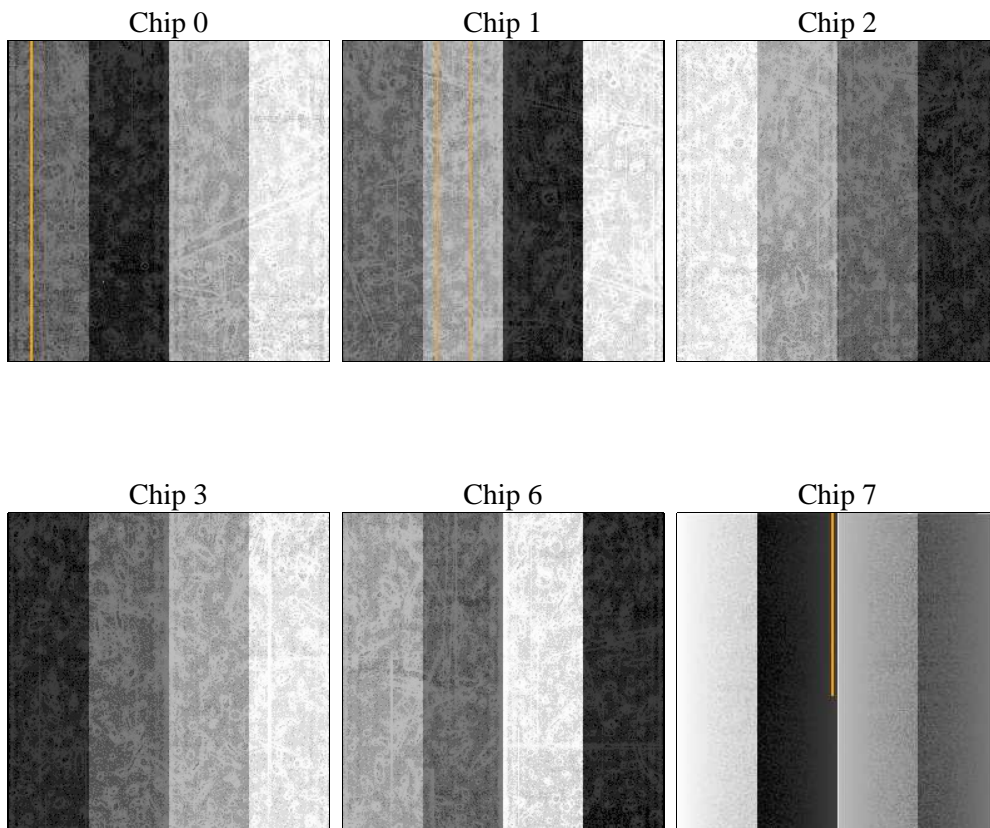
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	8075.4183216691	Sum of GTIs [s]
caldsver	4.5.6	&#160	ontime0	8072.136261344	Sum of GTIs [s]
date	2013-03-30T03:23:09	Date and time of file creation	ontime1	8075.3362416625	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8075.2952016592	Sum of GTIs [s]
			ontime3	8075.4593616724	Sum of GTIs [s]
			ontime6	8075.2541616559	Sum of GTIs [s]
			ontime7	8075.4183216691	Sum of GTIs [s]
			l1events	973047	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	157752	162283	173933	172578	173696	132805	grade 0 events	16556	15845	17333	17308	16363	8347
rejected events	125393	129975	141265	139852	139620	73697		10%	9%	9%	10%	9%	6%
rejected %	79%	80%	81%	81%	80%	55%	grade 1 events	85	75	92	107	70	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	6907	7474	6695	6589	8054	15061
								4%	4%	3%	3%	4%	11%
							grade 3 events	2250	2097	2287	2320	2084	4703
								1%	1%	1%	1%	1%	3%
							grade 4 events	2147	2149	2257	2315	2179	4649
								1%	1%	1%	1%	1%	3%
							grade 5 events	2972	2843	2834	3155	3033	7560
								1%	1%	1%	1%	1%	5%
							grade 6 events	5289	5636	4971	5036	6306	27891
								3%	3%	2%	2%	3%	21%
							grade 7 events	121546	126164	137464	135748	135607	64523
								77%	77%	79%	78%	78%	48%

## 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	199.6284039943112
[deg] Pointing Dec	0	-9.960171023417052
[deg] Pointing Roll	0.0	72.5344374847806
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	480959999.837887	480959999.837887
Observation start date	2013-03-29T16:00:00	2013-03-29T15:59:59
[s] Observation end time (MET)	480969816.517868	480969816.517868
Observation end date	2013-03-29T18:43:37	2013-03-29T18:43:36
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)	2013.04.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0754183216691

### A.2 Comments