

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57730 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 17 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

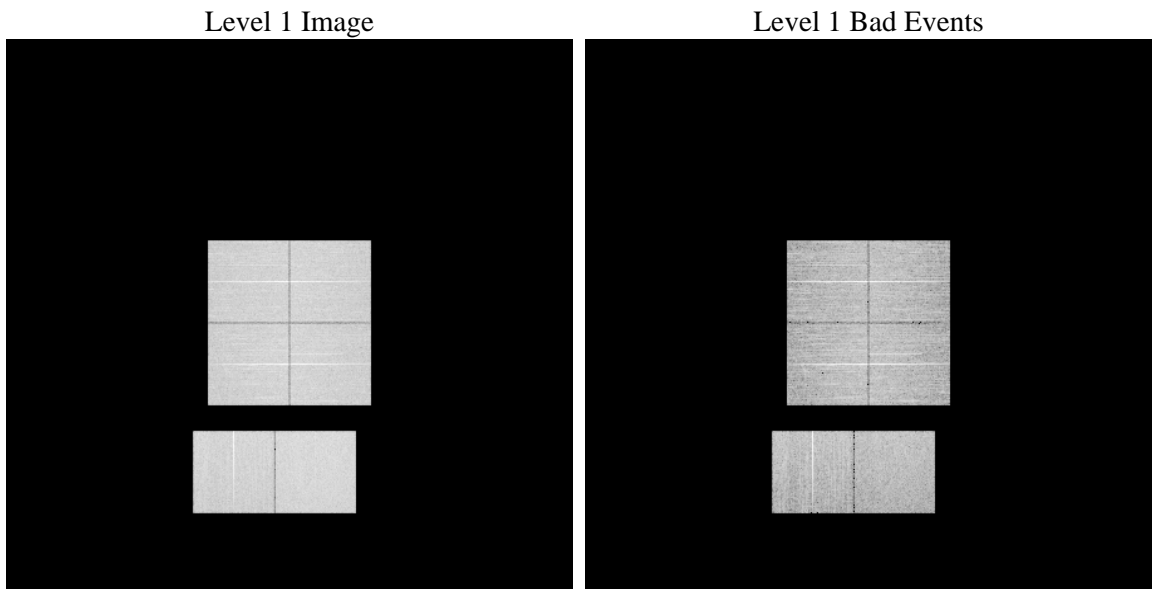
# 1 Front

seq_num	&#160	Sequence number
obs_id	57730	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	280.97451698611	Nominal RA [deg]
dec_nom	3.9867093846517	Nominal Dec [deg]
roll_nom	174.23551269392	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8270.7362531424	Sum of GTIs [s]
livetime	8166.0072106656	Livetime [s]
ontime0	8270.6952131391	Sum of GTIs [s]
ontime1	8270.6541731358	Sum of GTIs [s]
ontime2	8270.6131331325	Sum of GTIs [s]
ontime3	8270.7772931457	Sum of GTIs [s]
ontime6	8270.5720931292	Sum of GTIs [s]
ontime7	8270.7362531424	Sum of GTIs [s]
l2events	613935	Number of level 2 events

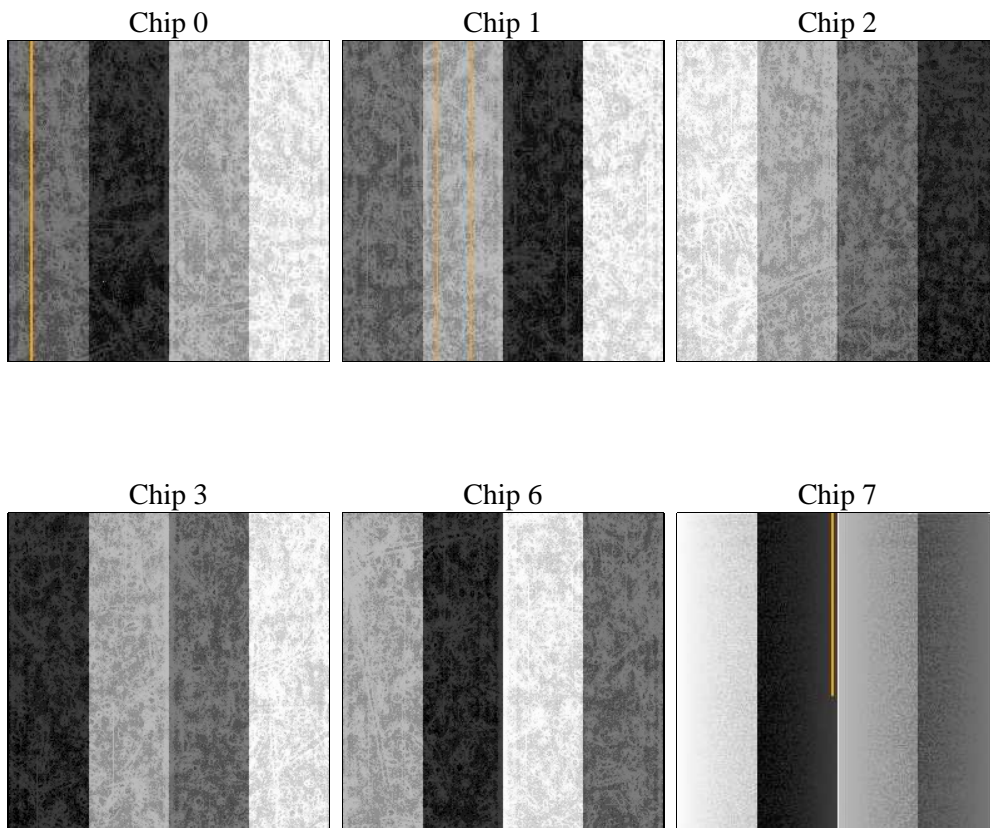
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8270.7362531424	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8270.6952131391	Sum of GTIs [s]
date	2012-05-17T06:35:37	Date and time of file creation	ontime1	8270.6541731358	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8270.6131331325	Sum of GTIs [s]
			ontime3	8270.7772931457	Sum of GTIs [s]
			ontime6	8270.5720931292	Sum of GTIs [s]
			ontime7	8270.7362531424	Sum of GTIs [s]
			l1events	1072105	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	171107	172648	174200	174426	177935	201789	grade 0 events	54557	53587	55789	56023	55620	27471
rejected events	69845	70732	72965	72168	72401	66281		31%	31%	32%	32%	31%	13%
rejected %	40%	40%	41%	41%	40%	32%	grade 1 events	401	355	434	434	340	167
								0%	0%	0%	0%	0%	0%
							grade 2 events	18124	19155	16956	17629	18570	29082
								10%	11%	9%	10%	10%	14%
							grade 3 events	6604	6551	6776	6836	6729	12554
								3%	3%	3%	3%	3%	6%
							grade 4 events	6576	6580	6713	6810	6703	12545
								3%	3%	3%	3%	3%	6%
							grade 5 events	3875	4114	3513	4329	4128	10928
								2%	2%	2%	2%	2%	5%
							grade 6 events	15401	16043	15001	14960	17912	53856
								9%	9%	8%	8%	10%	26%
							grade 7 events	65569	66263	69018	67405	67933	55186
								38%	38%	39%	38%	38%	27%

## 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	280.9745169861102
[deg] Pointing Dec	0	3.986709384651703
[deg] Pointing Roll	0.0	174.23551269392
[mm] SIM focus pos	-1.429586	-0.7809083437167272
[mm] SIM defocus	0.1037507710433287	0.7524282956875696
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	331075437.571673	331075436.54667
Observation start date	2008-06-28T21:23:58	2008-06-28T21:23:56
[s] Observation end time (MET)	331097112.222733	331097111.19773
Observation end date	2008-06-29T03:25:12	2008-06-29T03:25:11
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)	2012.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2707362531424

### A.2 Comments