

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 55835 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 7 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

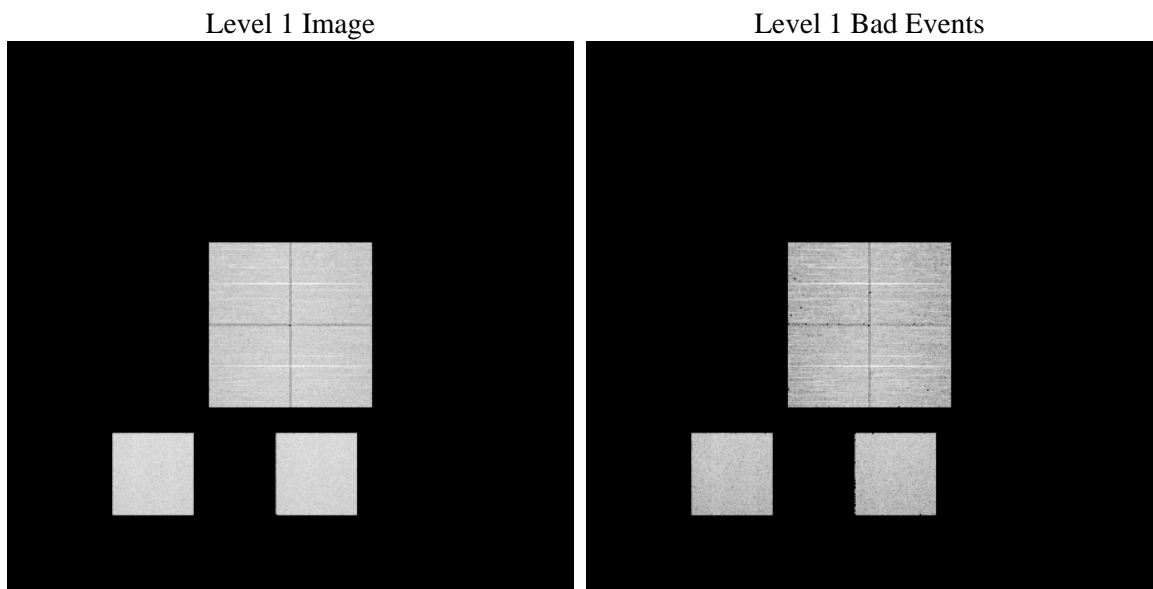
# 1 Front

seq_num	&#160	Sequence number
obs_id	55835	Observation id
title	ACIS-012357 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	71.66964051022	Nominal RA [deg]
dec_nom	36.999484688145	Nominal Dec [deg]
roll_nom	144.81582761061	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8143.0990378261	Sum of GTIs [s]
livetime	8039.9862146235	Livetime [s]
ontime0	8143.0579978228	Sum of GTIs [s]
ontime1	8143.0169578195	Sum of GTIs [s]
ontime2	8142.9759178162	Sum of GTIs [s]
ontime3	8143.1400778294	Sum of GTIs [s]
ontime5	8142.9348778129	Sum of GTIs [s]
ontime7	8143.0990378261	Sum of GTIs [s]
l2events	377230	Number of level 2 events

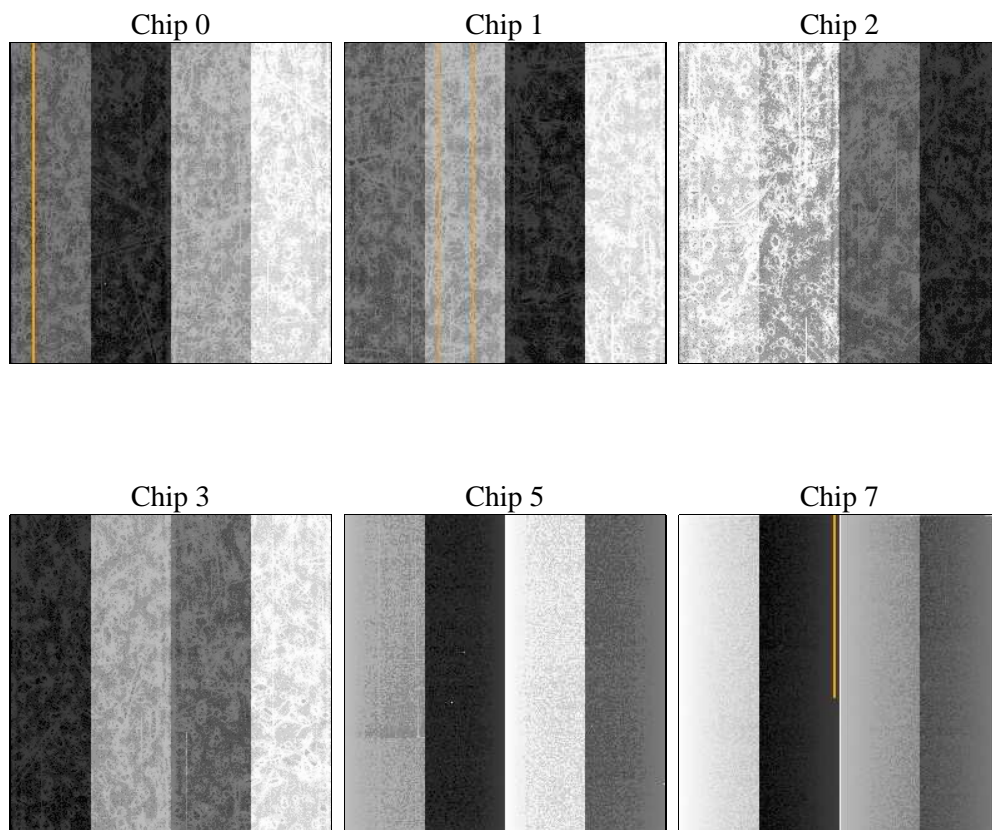
## 2 OBI

### 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	8143.0990378261	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime0	8143.0579978228	Sum of GTIs [s]
date	2012-07-07T17:38:06	Date and time of file creation	ontime1	8143.0169578195	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8142.9759178162	Sum of GTIs [s]
			ontime3	8143.1400778294	Sum of GTIs [s]
			ontime5	8142.9348778129	Sum of GTIs [s]
			ontime7	8143.0990378261	Sum of GTIs [s]
			l1events	762364	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	114214	112617	114693	118851	152052	149937	grade 0 events	29187	28421	29388	30006	10300	15061
rejected events	59094	57386	60205	63317	64432	62673		25%	25%	25%	25%	6%	10%
rejected %	51%	50%	52%	53%	42%	41%	grade 1 events	175	162	215	222	164	125
								0%	0%	0%	0%	0%	0%
							grade 2 events	10077	10892	9627	9736	31652	18718
								8%	9%	8%	8%	20%	12%
							grade 3 events	3861	3731	3697	3879	3610	8012
								3%	3%	3%	3%	2%	5%
							grade 4 events	3738	3756	3836	3730	3689	7731
								3%	3%	3%	3%	2%	5%
							grade 5 events	3687	3768	3503	4078	8216	9877
								3%	3%	3%	3%	5%	6%
							grade 6 events	8419	8619	8180	8367	38707	38035
								7%	7%	7%	7%	25%	25%
							grade 7 events	55070	53268	56247	58833	55714	52378
								48%	47%	49%	49%	36%	34%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	71.66964051021966	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	36.99948468814524	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	144.8158276106095	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.4281808131	-1.4281808131			
[mm] SIM defocus	0.1051557500557434	0.1051557500557434			
[mm] SIM translation stage pos	250.4635187649	250.4635187649			
[mm] SIM translation stage offset	-0.007542945905271381	-0.007542945905271381			
[s] Observation start time (MET)	407387512.71357	407387512.71357			
Observation start date	2010-11-29T03:11:53	2010-11-29T03:11:52			
[s] Observation end time (MET)	407397333.820767	407397333.820767			
Observation end date	2010-11-29T05:55:34	2010-11-29T05:55:33			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1430990378261

### A.2 Comments