

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55554 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 6 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

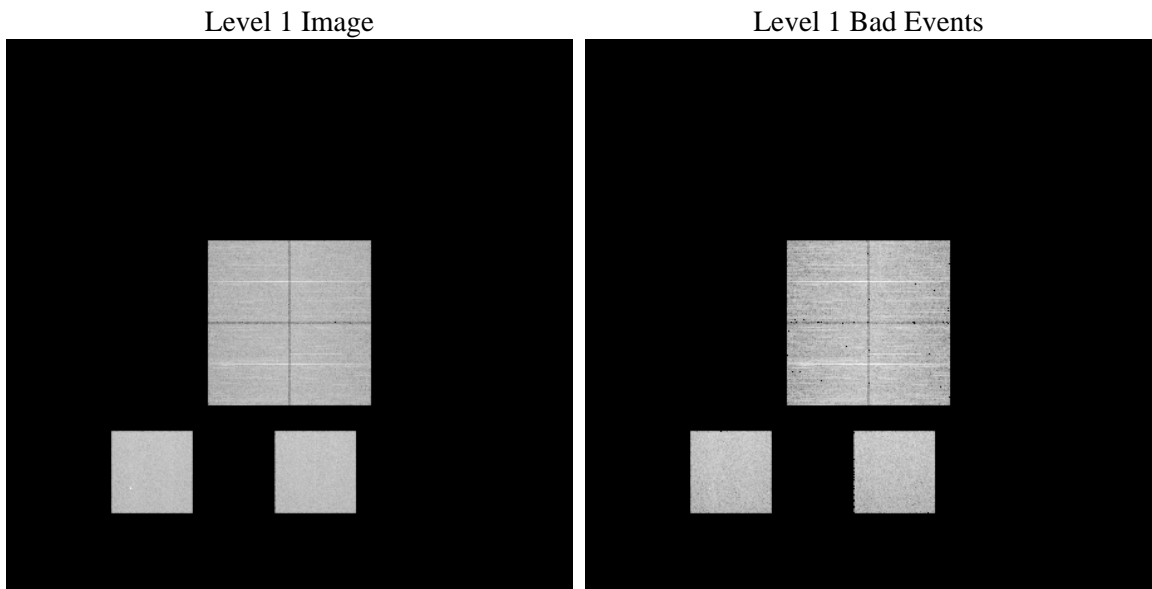
# 1 Front

seq_num	&#160	Sequence number
obs_id	55554	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	207.07216635785	Nominal RA [deg]
dec_nom	10.80781047295	Nominal Dec [deg]
roll_nom	122.20585129357	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8283.6275764704	Sum of GTIs [s]
livetime	8178.7352962954	Livetime [s]
ontime0	8283.5865364671	Sum of GTIs [s]
ontime1	8283.5454964638	Sum of GTIs [s]
ontime2	8283.5044564605	Sum of GTIs [s]
ontime3	8283.6686164737	Sum of GTIs [s]
ontime5	8283.4634164572	Sum of GTIs [s]
ontime7	8283.6275764704	Sum of GTIs [s]
l2events	354635	Number of level 2 events

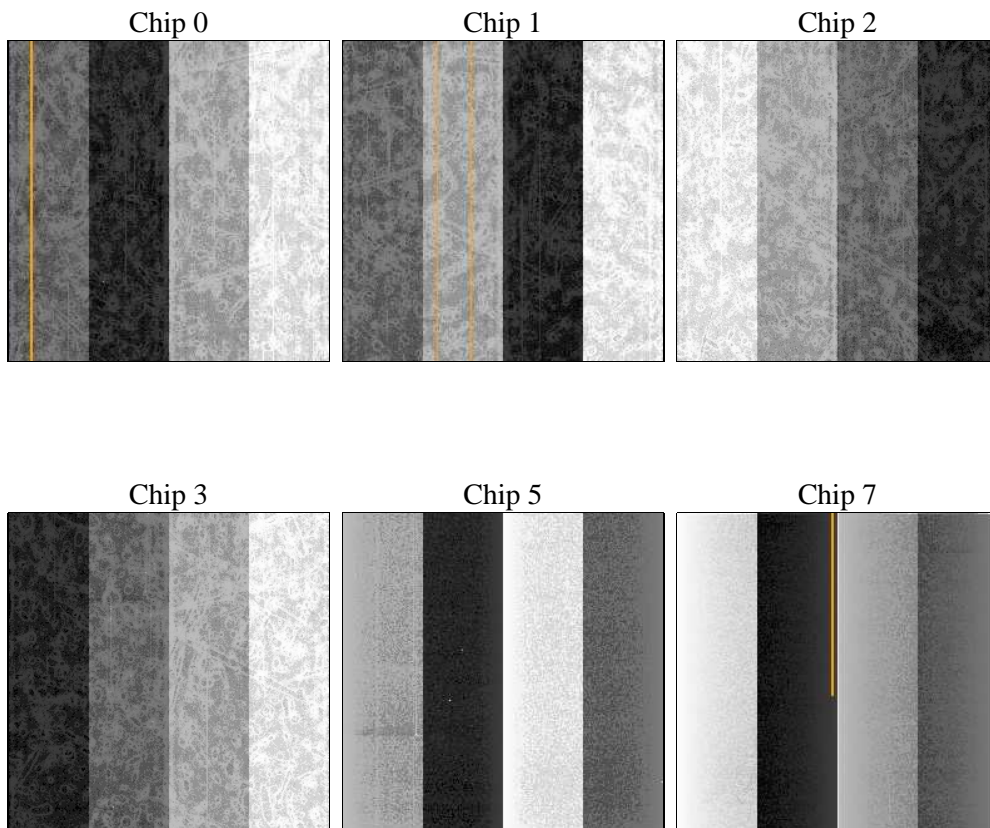
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8283.6275764704	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	8283.5865364671	Sum of GTIs [s]
date	2012-02-07T00:35:49	Date and time of file creation	ontime1	8283.5454964638	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8283.5044564605	Sum of GTIs [s]
			ontime3	8283.6686164737	Sum of GTIs [s]
			ontime5	8283.4634164572	Sum of GTIs [s]
			ontime7	8283.6275764704	Sum of GTIs [s]
			l1events	730701	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	107914	107662	111722	110988	146897	145518	grade 0 events	27268	26197	27469	28019	8762	13540
rejected events	56395	55924	60498	59440	63561	62913		25%	24%	24%	25%	5%	9%
rejected %	52%	51%	54%	53%	43%	43%	grade 1 events	167	134	199	181	166	121
								0%	0%	0%	0%	0%	0%
							grade 2 events	9552	10454	8786	8945	30822	18185
								8%	9%	7%	8%	20%	12%
							grade 3 events	3479	3459	3673	3404	3197	7045
								3%	3%	3%	3%	2%	4%
							grade 4 events	3398	3381	3615	3606	2989	7103
								3%	3%	3%	3%	2%	4%
							grade 5 events	3458	3513	3253	3812	7539	9360
								3%	3%	2%	3%	5%	6%
							grade 6 events	7822	8247	7681	7574	37566	36732
								7%	7%	6%	6%	25%	25%
							grade 7 events	52770	52277	57046	55447	55856	53432
								48%	48%	51%	49%	38%	36%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	207.0721663578479
[deg] Pointing Dec	0	10.80781047295027
[deg] Pointing Roll	0.0	122.205851293566
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	417667523.195103	417667522.1701
Observation start date	2011-03-28T02:45:23	2011-03-28T02:45:22
[s] Observation end time (MET)	417679843.695741	417679842.67074
Observation end date	2011-03-28T06:10:44	2011-03-28T06:10:42
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2836275764704

### A.2 Comments