

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56280 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 25 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

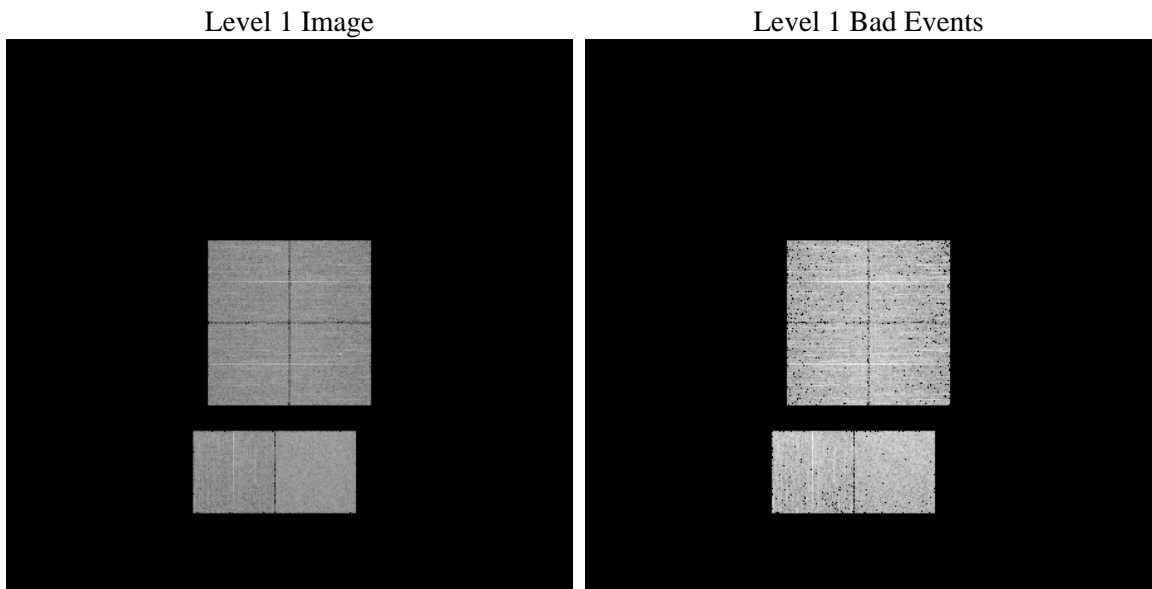
# 1 Front

seq_num	&#160	Sequence number
obs_id	56280	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	55.170588752638	Nominal RA [deg]
dec_nom	68.410495025242	Nominal Dec [deg]
roll_nom	345.63508108317	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3129.5999884009	Sum of GTIs [s]
livetime	3089.9711089289	Livetime [s]
ontime0	3129.5999884009	Sum of GTIs [s]
ontime1	3129.5999884009	Sum of GTIs [s]
ontime2	3129.5999884009	Sum of GTIs [s]
ontime3	3129.5999884009	Sum of GTIs [s]
ontime6	3129.5999884009	Sum of GTIs [s]
ontime7	3129.5999884009	Sum of GTIs [s]
l2events	160799	Number of level 2 events

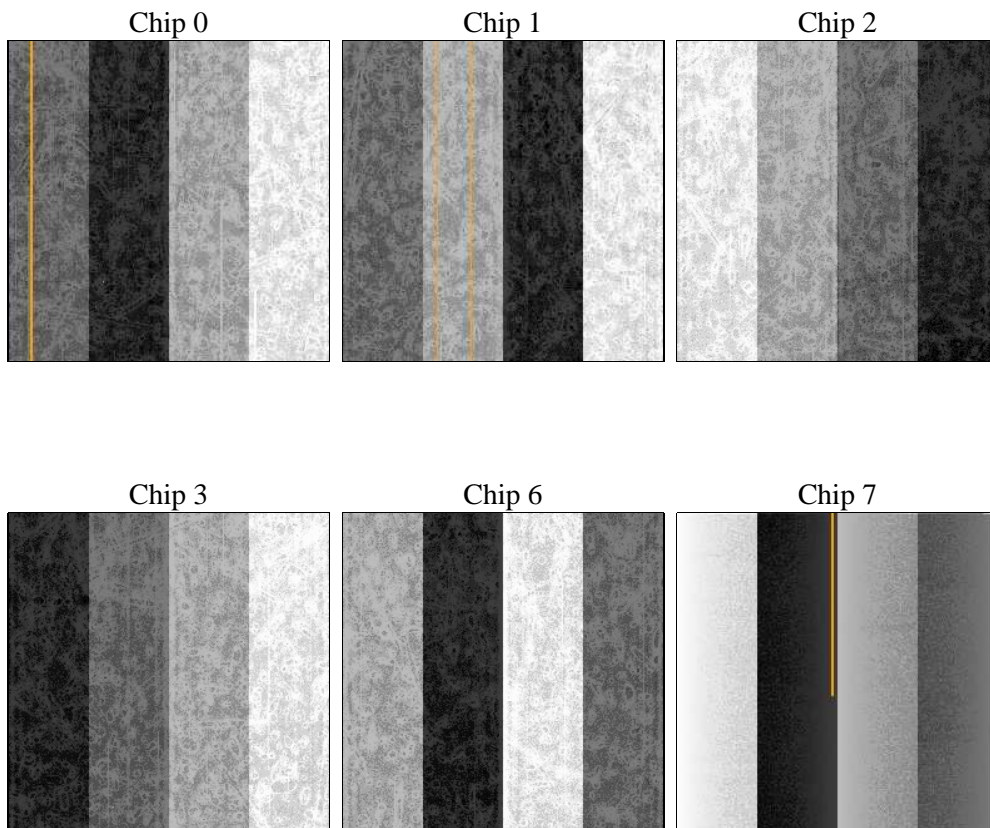
## 2 OBI

### 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	3129.5999884009	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	3129.5999884009	Sum of GTIs [s]
date	2012-06-25T11:17:25	Date and time of file creation	ontime1	3129.5999884009	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3129.5999884009	Sum of GTIs [s]
			ontime3	3129.5999884009	Sum of GTIs [s]
			ontime6	3129.5999884009	Sum of GTIs [s]
			ontime7	3129.5999884009	Sum of GTIs [s]
			l1events	332102	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	50648	52132	53192	54724	54430	66976	grade 0 events	14301	14080	14412	14927	14426	7556
rejected events	24868	26001	27403	27705	27538	28090		28%	27%	27%	27%	26%	11%
rejected %	49%	49%	51%	50%	50%	41%	grade 1 events	96	80	107	112	90	60
								0%	0%	0%	0%	0%	0%
							grade 2 events	4864	5207	4748	5381	5167	8922
								9%	9%	8%	9%	9%	13%
							grade 3 events	1835	1814	1899	1860	1779	3784
								3%	3%	3%	3%	3%	5%
							grade 4 events	1815	1777	1908	1908	1845	3693
								3%	3%	3%	3%	3%	5%
							grade 5 events	1582	1490	1457	1724	1643	4219
								3%	2%	2%	3%	3%	6%
							grade 6 events	4223	4541	4086	4199	4974	16897
								8%	8%	7%	7%	9%	25%
							grade 7 events	21932	23143	24575	24613	24506	21845
								43%	44%	46%	44%	45%	32%

## 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	55.17058875263831
[deg] Pointing Dec	0	68.41049502524247
[deg] Pointing Roll	0.0	345.6350810831731
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	389536011.349283	389536011.349283
Observation start date	2010-05-06T12:26:51	2010-05-06T12:26:51
[s] Observation end time (MET)	389540558.779395	389540558.779395
Observation end date	2010-05-06T13:42:39	2010-05-06T13:42:38
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1295999884009

### A.2 Comments