

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 54501 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Aug 28 2012

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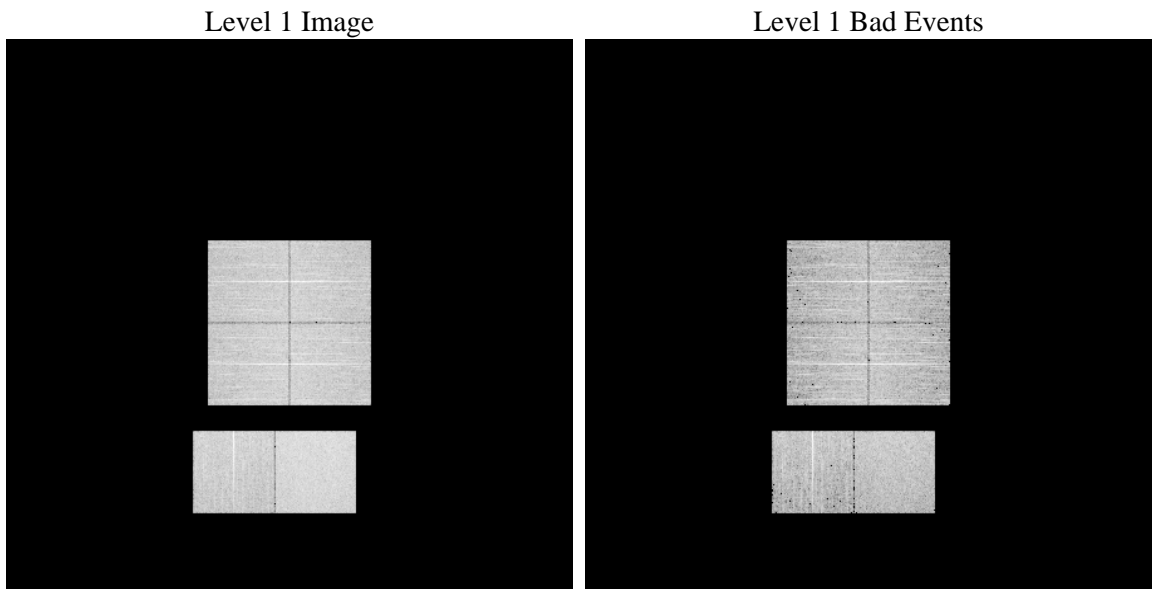
# 1 Front

seq_num	&#160	Sequence number
obs_id	54501	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	293.9564523735	Nominal RA [deg]
dec_nom	-8.4679234803029	Nominal Dec [deg]
roll_nom	160.39592483565	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8261.5286679864	Sum of GTIs [s]
livetime	8156.916217497	Livetime [s]
ontime0	8261.4876279831	Sum of GTIs [s]
ontime1	8261.4465879798	Sum of GTIs [s]
ontime2	8261.4055479765	Sum of GTIs [s]
ontime3	8261.5697079897	Sum of GTIs [s]
ontime6	8261.3645079732	Sum of GTIs [s]
ontime7	8261.5286679864	Sum of GTIs [s]
l2events	248520	Number of level 2 events

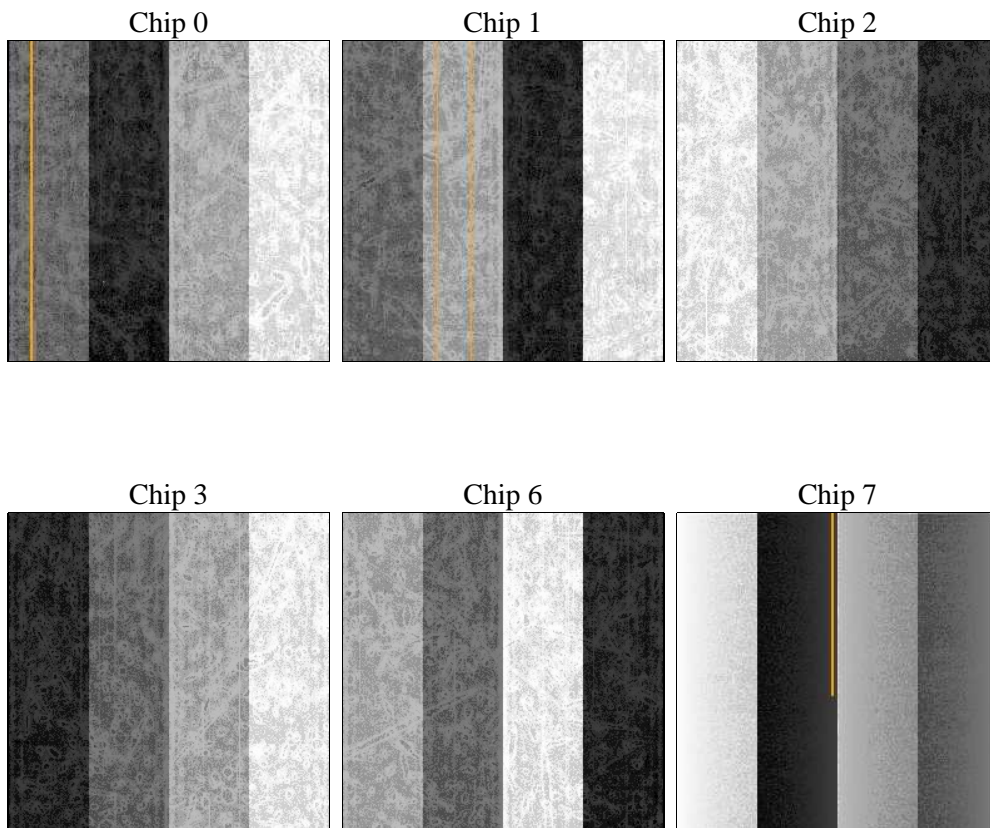
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8261.5286679864	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime0	8261.4876279831	Sum of GTIs [s]
date	2012-08-28T21:43:46	Date and time of file creation	ontime1	8261.4465879798	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8261.4055479765	Sum of GTIs [s]
			ontime3	8261.5697079897	Sum of GTIs [s]
			ontime6	8261.3645079732	Sum of GTIs [s]
			ontime7	8261.5286679864	Sum of GTIs [s]
			l1events	556710	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	84418	84331	89453	90434	88921	119153	grade 0 events	20433	19737	20991	21032	20948	10740
rejected events	45600	45405	50336	51123	48115	53014		24%	23%	23%	23%	23%	9%
rejected %	54%	53%	56%	56%	54%	44%	grade 1 events	108	107	132	122	101	96
								0%	0%	0%	0%	0%	0%
							grade 2 events	7334	7705	7006	7033	7724	14440
								8%	9%	7%	7%	8%	12%
							grade 3 events	2766	2631	2714	2818	2655	5910
								3%	3%	3%	3%	2%	4%
							grade 4 events	2512	2616	2607	2705	2709	5835
								2%	3%	2%	2%	3%	4%
							grade 5 events	3064	3126	2781	3458	3364	8281
								3%	3%	3%	3%	3%	6%
							grade 6 events	5907	6372	5932	5876	6923	29436
								6%	7%	6%	6%	7%	24%
							grade 7 events	42294	42037	47290	47390	44497	44415
								50%	49%	52%	52%	50%	37%

## 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	293.9564523735016
[deg] Pointing Dec	0	-8.467923480302945
[deg] Pointing Roll	0.0	160.3959248356474
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)	458082056.008048	458082056.008048
Observation start date	2012-07-07T21:00:56	2012-07-07T21:00:56
[s] Observation end time (MET)	458091603.364087	458091603.364087
Observation end date	2012-07-07T23:40:03	2012-07-07T23:40:03
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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2615286679864

### A.2 Comments