

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 52623 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jul 19 2014

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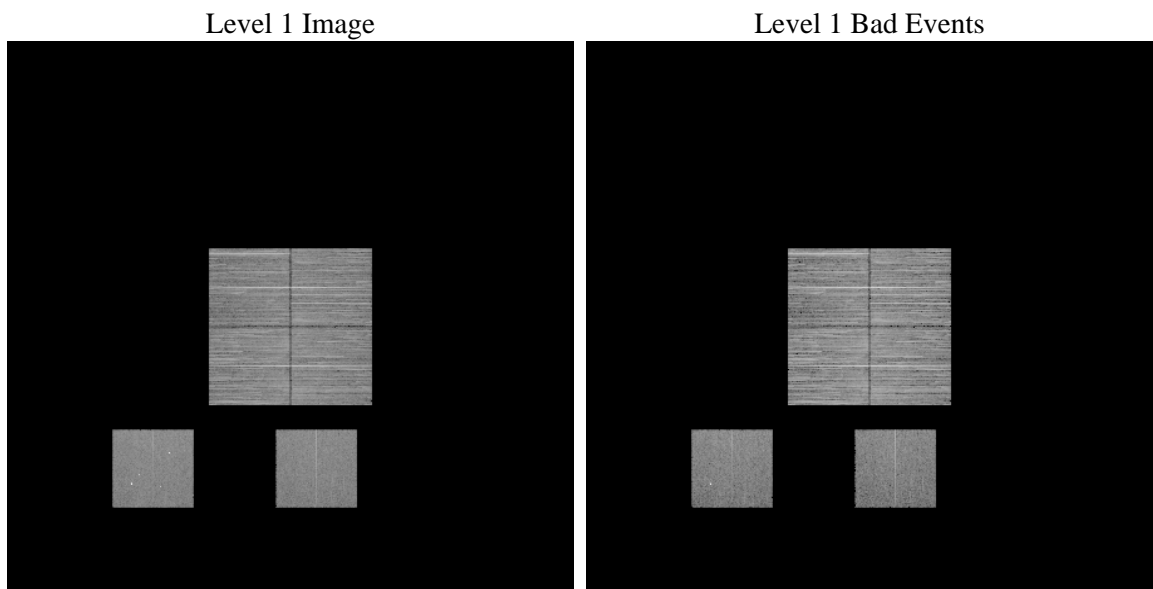
# 1 Front

seq_num	&#160	Sequence number
obs_id	52623	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	100.01386455479	Nominal RA [deg]
dec_nom	-3.0920844930252	Nominal Dec [deg]
roll_nom	148.94938862434	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8435.199968636	Sum of GTIs [s]
livetime	8328.3883875655	Livetime [s]
ontime0	8435.199968636	Sum of GTIs [s]
ontime1	8435.199968636	Sum of GTIs [s]
ontime2	8431.9589983225	Sum of GTIs [s]
ontime3	8435.199968636	Sum of GTIs [s]
ontime5	8435.199968636	Sum of GTIs [s]
ontime7	8435.199968636	Sum of GTIs [s]
l2events	199774	Number of level 2 events

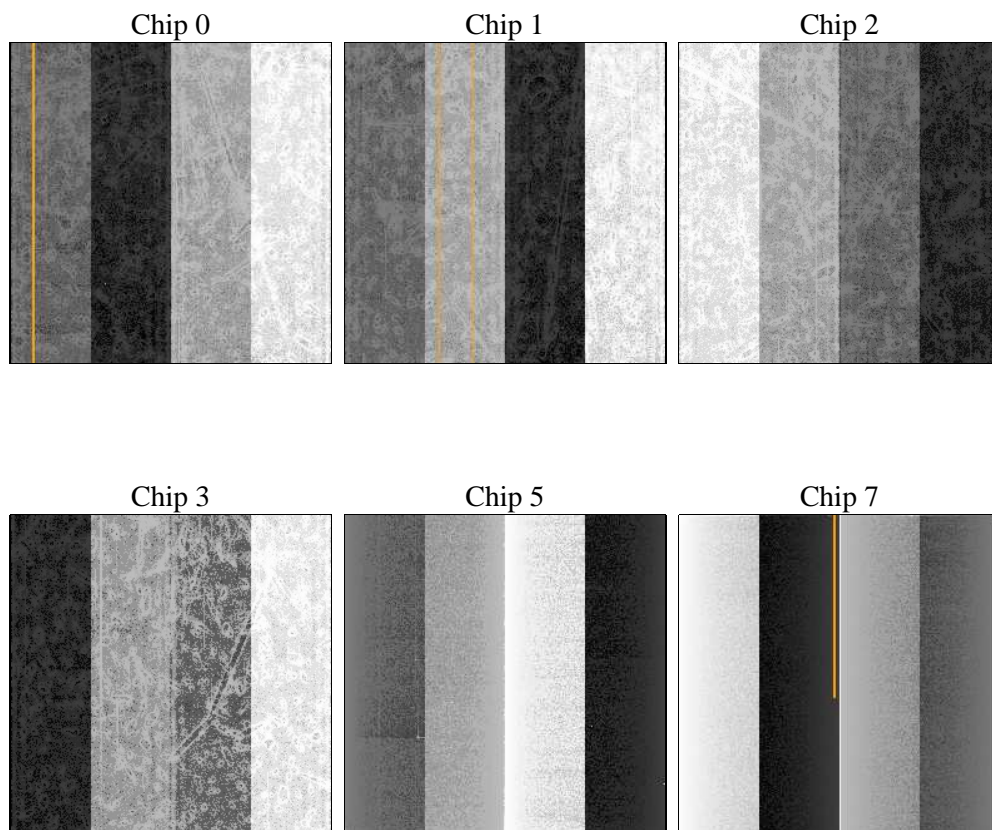
## 2 OBI

### 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	10.2.4	Processing system revision	ontime	8435.199968636	Sum of GTIs [s]
caldsver	4.6.2	&#160	ontime0	8435.199968636	Sum of GTIs [s]
date	2014-07-19T14:27:15	Date and time of file creation	ontime1	8435.199968636	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8431.9589983225	Sum of GTIs [s]
			ontime3	8435.199968636	Sum of GTIs [s]
			ontime5	8435.199968636	Sum of GTIs [s]
			ontime7	8435.199968636	Sum of GTIs [s]
			l1events	813400	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	132342	141566	152105	142664	127755	116968	grade 0 events	12970	12689	13374	13364	7754	7023
rejected events	106382	115488	125829	116519	69995	65514		9%	8%	8%	9%	6%	6%
rejected %	80%	81%	82%	81%	54%	56%	grade 1 events	73	48	86	77	111	100
								0%	0%	0%	0%	0%	0%
							grade 2 events	5279	5561	5197	5098	20884	12611
								3%	3%	3%	3%	16%	10%
							grade 3 events	1840	1783	1890	1909	1933	4169
								1%	1%	1%	1%	1%	3%
							grade 4 events	1824	1773	1892	1862	1876	4228
								1%	1%	1%	1%	1%	3%
							grade 5 events	2873	2869	2695	3098	6086	7272
								2%	2%	1%	2%	4%	6%
							grade 6 events	4147	4372	4037	4008	25538	23654
								3%	3%	2%	2%	19%	20%
							grade 7 events	103336	112471	122934	113248	63573	57911
								78%	79%	80%	79%	49%	49%

## 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	100.0138645547878
[deg] Pointing Dec	0	-3.092084493025226
[deg] Pointing Roll	0.0	148.9493886243397
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)	522098030.641446	522098030.641446
Observation start date	2014-07-18T19:13:51	2014-07-18T19:13:50
[s] Observation end time (MET)	522108029.138031	522108029.138031
Observation end date	2014-07-18T22:00:29	2014-07-18T22:00:29
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)	2014.07.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.435199968636

### A.2 Comments