

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57227 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 2 2012

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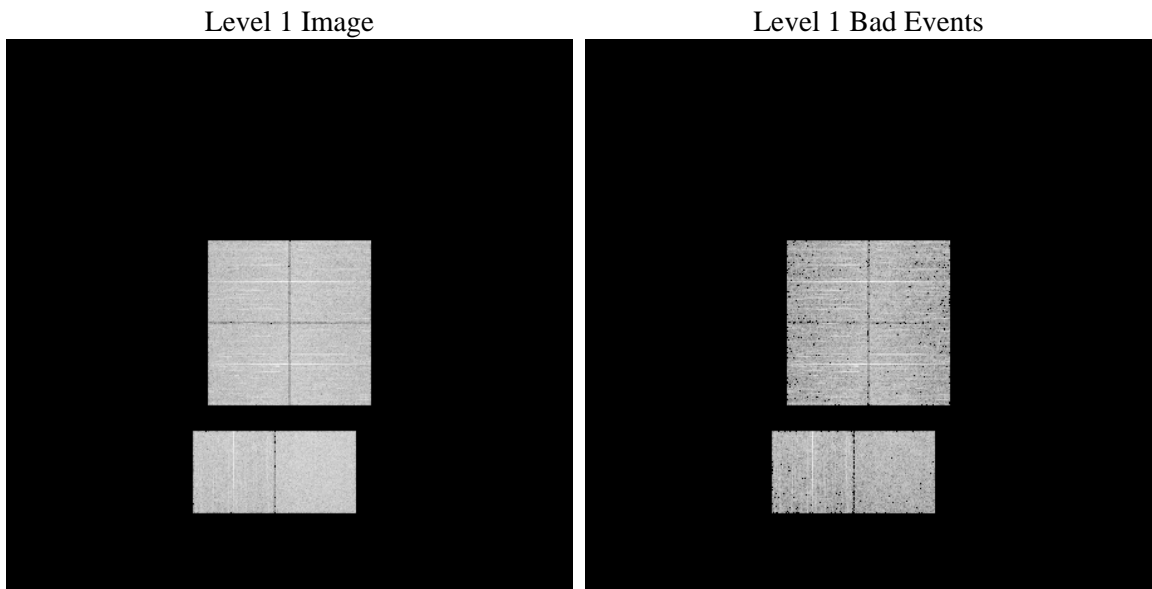
# 1 Front

seq_num	&#160	Sequence number
obs_id	57227	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	192.01301639898	Nominal RA [deg]
dec_nom	-20.632432299305	Nominal Dec [deg]
roll_nom	32.06607063042	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3128.1439151764	Sum of GTIs [s]
livetime	3088.5334733803	Livetime [s]
ontime0	3128.1028751731	Sum of GTIs [s]
ontime1	3128.0618351698	Sum of GTIs [s]
ontime2	3128.0207951665	Sum of GTIs [s]
ontime3	3128.1849551797	Sum of GTIs [s]
ontime6	3127.9797551632	Sum of GTIs [s]
ontime7	3128.1439151764	Sum of GTIs [s]
l2events	191597	Number of level 2 events

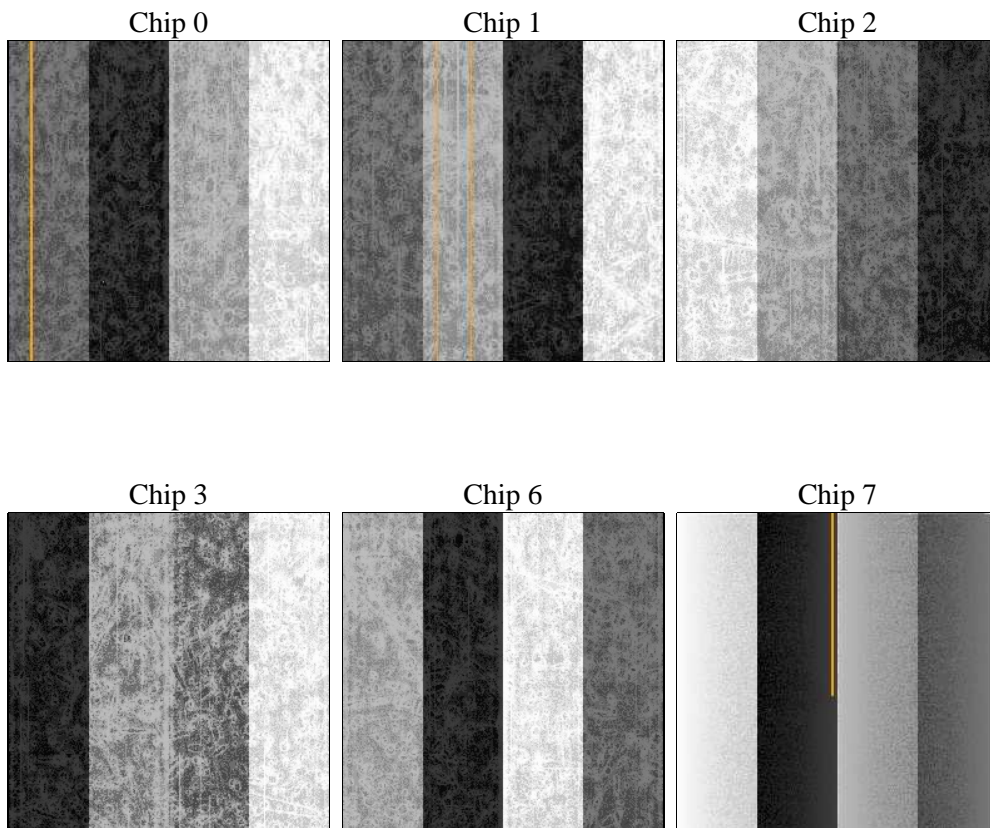
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	3128.1439151764	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	3128.1028751731	Sum of GTIs [s]
date	2012-06-02T19:56:13	Date and time of file creation	ontime1	3128.0618351698	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3128.0207951665	Sum of GTIs [s]
			ontime3	3128.1849551797	Sum of GTIs [s]
			ontime6	3127.9797551632	Sum of GTIs [s]
			ontime7	3128.1439151764	Sum of GTIs [s]
			l1events	391639	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	61486	62368	63063	64430	64198	76094	grade 0 events	17256	17083	17437	18097	17637	9063
rejected events	30737	31447	32090	32602	31887	30359		28%	27%	27%	28%	27%	11%
rejected %	49%	50%	50%	50%	49%	39%	grade 1 events	134	105	148	139	124	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	5826	6045	5765	5897	6059	10303
								9%	9%	9%	9%	9%	13%
							grade 3 events	2179	2062	2230	2279	2181	4473
								3%	3%	3%	3%	3%	5%
							grade 4 events	2140	2291	2191	2266	2279	4523
								3%	3%	3%	3%	3%	5%
							grade 5 events	1616	1714	1513	1824	1796	4649
								2%	2%	2%	2%	2%	6%
							grade 6 events	4809	4974	4729	4756	5680	19561
								7%	7%	7%	7%	8%	25%
							grade 7 events	27526	28094	29050	29172	28442	23444
								44%	45%	46%	45%	44%	30%

## 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	192.0130163989808
[deg] Pointing Dec	0	-20.63243229930544
[deg] Pointing Roll	0.0	32.06607063042023
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673
[mm] SIM defocus	0.7524282194390134	0.7524282194390134
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	353889100.756497	353889100.756497
Observation start date	2009-03-19T22:31:41	2009-03-19T22:31:40
[s] Observation end time (MET)	353893647.622463	353893647.622463
Observation end date	2009-03-19T23:47:28	2009-03-19T23:47:27
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1281439151764

### **A.2 Comments**