

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57954 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 9 2012

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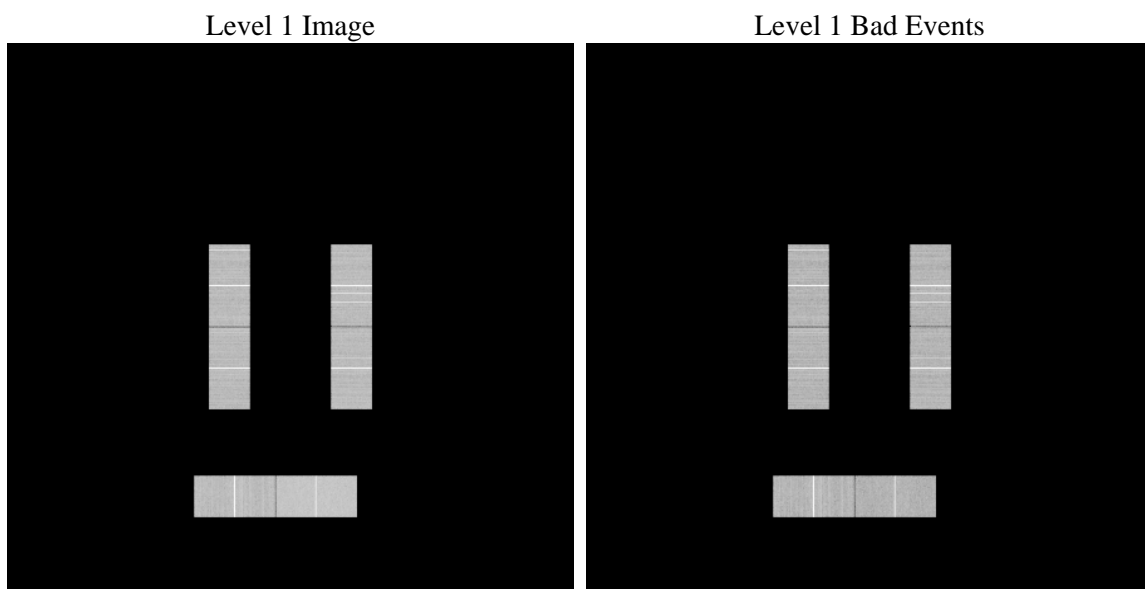
# 1 Front

seq_num	&#160	Sequence number
obs_id	57954	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	126.03438414431	Nominal RA [deg]
dec_nom	17.983443055663	Nominal Dec [deg]
roll_nom	258.99867145566	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8140.25	Sum of GTIs [s]
livetime	8108.4521484375	Livetime [s]
ontime0	5294.8488679528	Sum of GTIs [s]
ontime1	5501.9740592241	Sum of GTIs [s]
ontime2	5166.4405031204	Sum of GTIs [s]
ontime3	5410.0462355614	Sum of GTIs [s]
ontime6	5589.5249322057	Sum of GTIs [s]
ontime7	8140.25	Sum of GTIs [s]
l2events	344099	Number of level 2 events

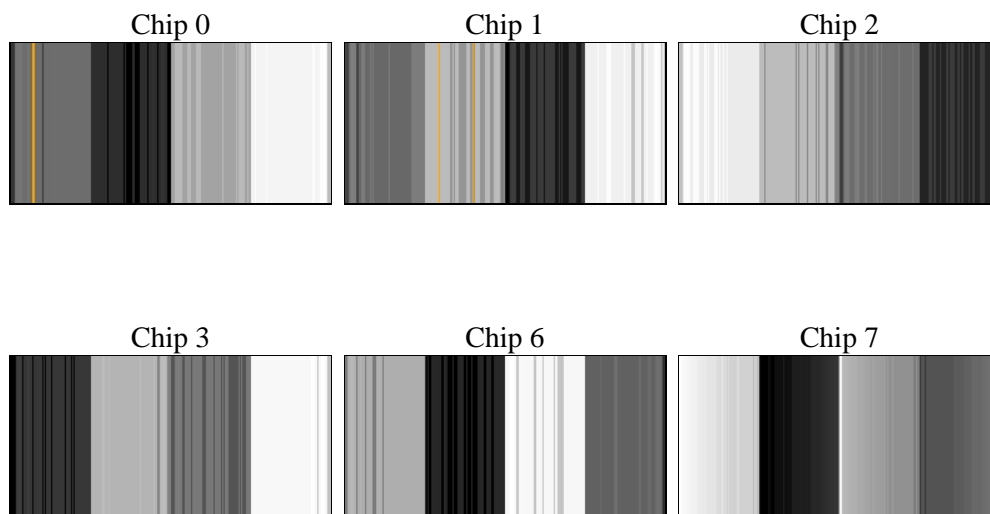
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	18000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8140.25	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	5294.8488679528	Sum of GTIs [s]
date	2012-05-09T22:12:05	Date and time of file creation	ontime1	5501.9740592241	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5166.4405031204	Sum of GTIs [s]
			ontime3	5410.0462355614	Sum of GTIs [s]
			ontime6	5589.5249322057	Sum of GTIs [s]
			ontime7	8140.25	Sum of GTIs [s]
			l1events	1449265	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	228744	240455	223159	228785	238164	289958	grade 0 events	8371	7860	7657	8218	6958	23000
rejected events	186457	193683	183057	184692	189365	149440		3%	3%	3%	3%	2%	7%
rejected %	81%	80%	82%	80%	79%	51%	grade 1 events	71	80	99	85	86	176
								0%	0%	0%	0%	0%	0%
							grade 2 events	39688	42818	39611	41909	45288	42939
								17%	17%	17%	18%	19%	14%
							grade 3 events	1883	1767	1816	2077	1822	10260
								0%	0%	0%	0%	0%	3%
							grade 4 events	1896	1844	1813	1875	1773	9982
								0%	0%	0%	0%	0%	3%
							grade 5 events	2438	2738	2493	2816	2938	11504
								1%	1%	1%	1%	1%	3%
							grade 6 events	14052	14815	13322	14124	16220	58818
								6%	6%	5%	6%	6%	20%
							grade 7 events	160345	168533	156348	157681	163079	133279
								70%	70%	70%	68%	68%	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	CC33_FAINT	CC33_FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	126.0343817626229	126.034384144308
[deg] Pointing Dec	17.98344192196187	17.98344305566275
[deg] Pointing Roll	258.9986779477832	258.9986714556585
[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)	319879466.576145	319879466.576145
Observation start date	2008-02-20T07:52:00	2008-02-20T07:24:26
[s] Observation end time (MET)	319903165.247435	319903165.247435
Observation end date	2008-02-20T12:52:00	2008-02-20T13:59:25
Read mode	CONTINUOUS	CONTINUOUS

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	0	0

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.14025

### A.2 Comments