

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58160 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 3 2012

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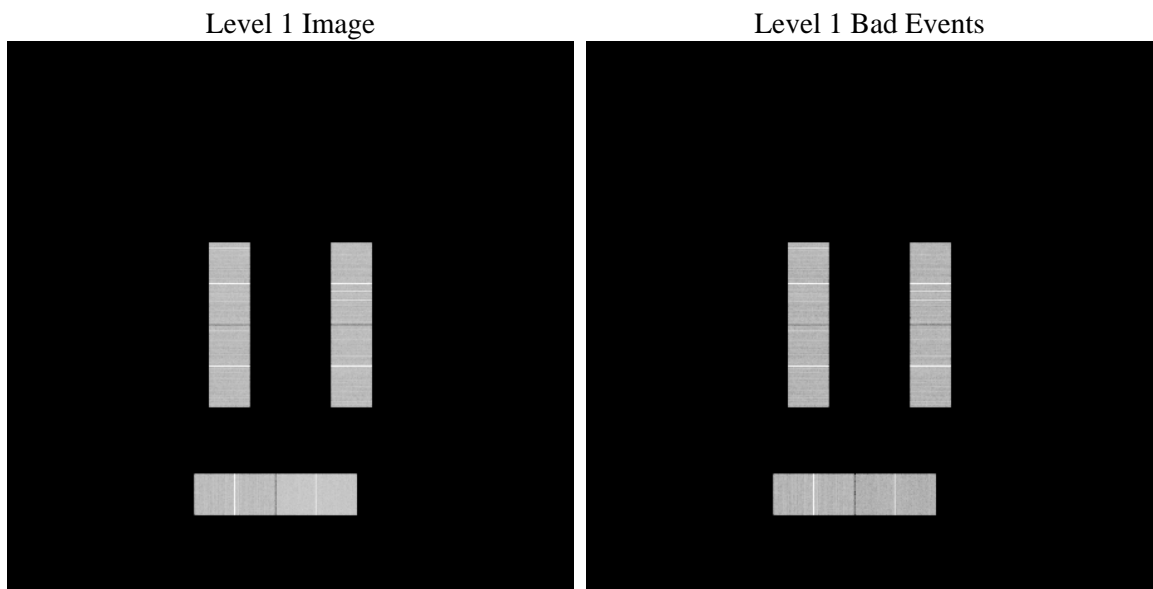
# 1 Front

seq_num	&#160	Sequence number
obs_id	58160	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	255.03350557895	Nominal RA [deg]
dec_nom	2.479398284056	Nominal Dec [deg]
roll_nom	285.7457607482	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7919.25	Sum of GTIs [s]
livetime	7888.3154296875	Livetime [s]
ontime0	4984.0334963202	Sum of GTIs [s]
ontime1	5135.7873151302	Sum of GTIs [s]
ontime2	4870.2179694176	Sum of GTIs [s]
ontime3	5116.818885684	Sum of GTIs [s]
ontime6	5299.2156739831	Sum of GTIs [s]
ontime7	7919.25	Sum of GTIs [s]
l2events	347416	Number of level 2 events

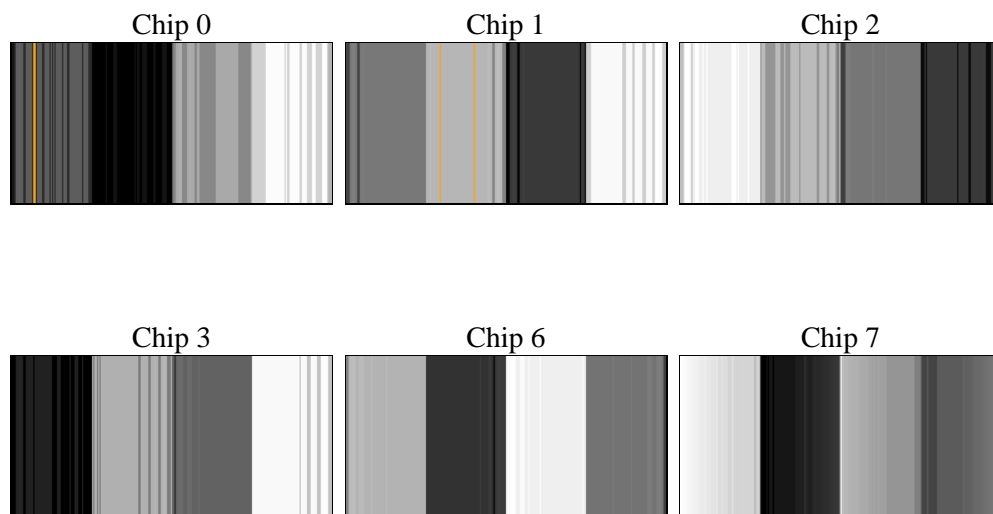
## 2 OBI

### 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	7919.25	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	4984.0334963202	Sum of GTIs [s]
date	2012-05-03T12:35:22	Date and time of file creation	ontime1	5135.7873151302	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4870.2179694176	Sum of GTIs [s]
			ontime3	5116.818885684	Sum of GTIs [s]
			ontime6	5299.2156739831	Sum of GTIs [s]
			ontime7	7919.25	Sum of GTIs [s]
			l1events	1370737	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	220891	223815	205861	217094	222367	280709	grade 0 events	8481	7542	7719	8141	7038	23839
rejected events	178546	179147	166241	173052	173498	134583		3%	3%	3%	3%	3%	8%
rejected %	80%	80%	80%	79%	78%	47%	grade 1 events	76	59	64	72	62	160
								0%	0%	0%	0%	0%	0%
							grade 2 events	39608	42016	39007	41975	45250	43244
								17%	18%	18%	19%	20%	15%
							grade 3 events	1868	1623	1683	1967	1772	10686
								0%	0%	0%	0%	0%	3%
							grade 4 events	1825	1571	1720	1780	1770	10256
								0%	0%	0%	0%	0%	3%
							grade 5 events	2322	2429	2246	2564	2741	10858
								1%	1%	1%	1%	1%	3%
							grade 6 events	13680	14636	13087	14185	15940	58206
								6%	6%	6%	6%	7%	20%
							grade 7 events	153031	153939	140335	146410	147794	123460
								69%	68%	68%	67%	66%	43%

## 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	0	255.033505578953
[deg] Pointing Dec	0	2.479398284056025
[deg] Pointing Roll	0.0	285.7457607481989
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	309329756.065699	309329755.0407
Observation start date	2007-10-21T04:55:56	2007-10-21T04:55:55
[s] Observation end time (MET)	309339665.766177	309339664.74118
Observation end date	2007-10-21T07:41:06	2007-10-21T07:41:04
Read mode	CONTINUOUS	CONTINUOUS

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.91925

### A.2 Comments