

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57895 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 12 2012

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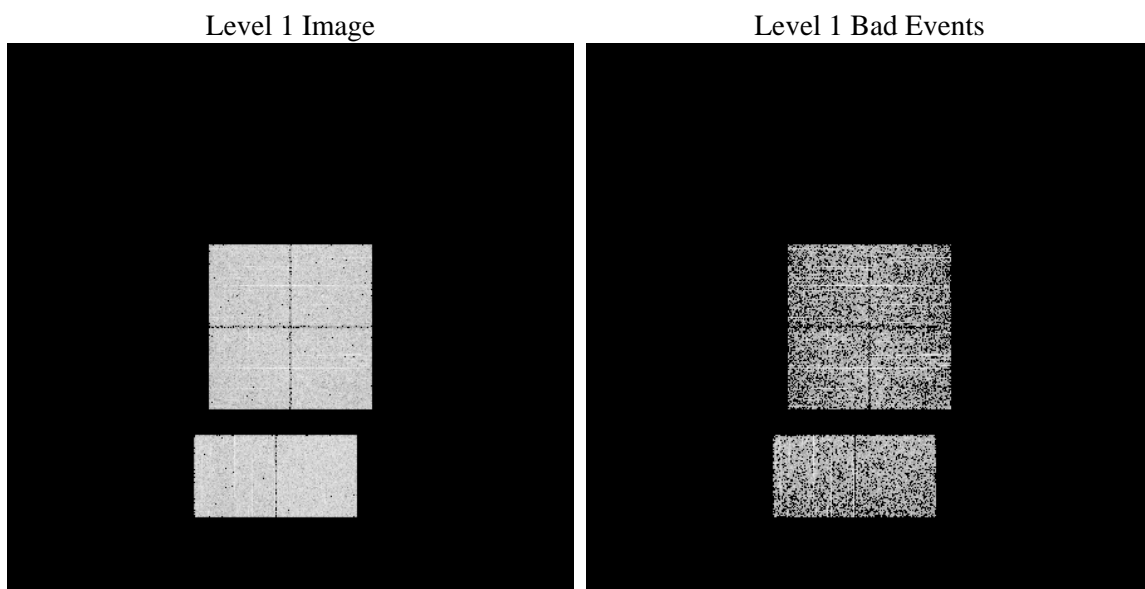
# 1 Front

seq_num	&#160	Sequence number
obs_id	57895	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	190.49712962755	Nominal RA [deg]
dec_nom	26.029828809974	Nominal Dec [deg]
roll_nom	172.7278335969	Nominal Roll [deg]
revision	2	Processing version of data
ontime	819.19999700785	Sum of GTIs [s]
livetime	808.82679338272	Livetime [s]
ontime0	683.5773267746	Sum of GTIs [s]
ontime1	699.2841951251	Sum of GTIs [s]
ontime2	673.35622364283	Sum of GTIs [s]
ontime3	677.01316648722	Sum of GTIs [s]
ontime6	689.56125426292	Sum of GTIs [s]
ontime7	819.19999700785	Sum of GTIs [s]
l2events	117987	Number of level 2 events

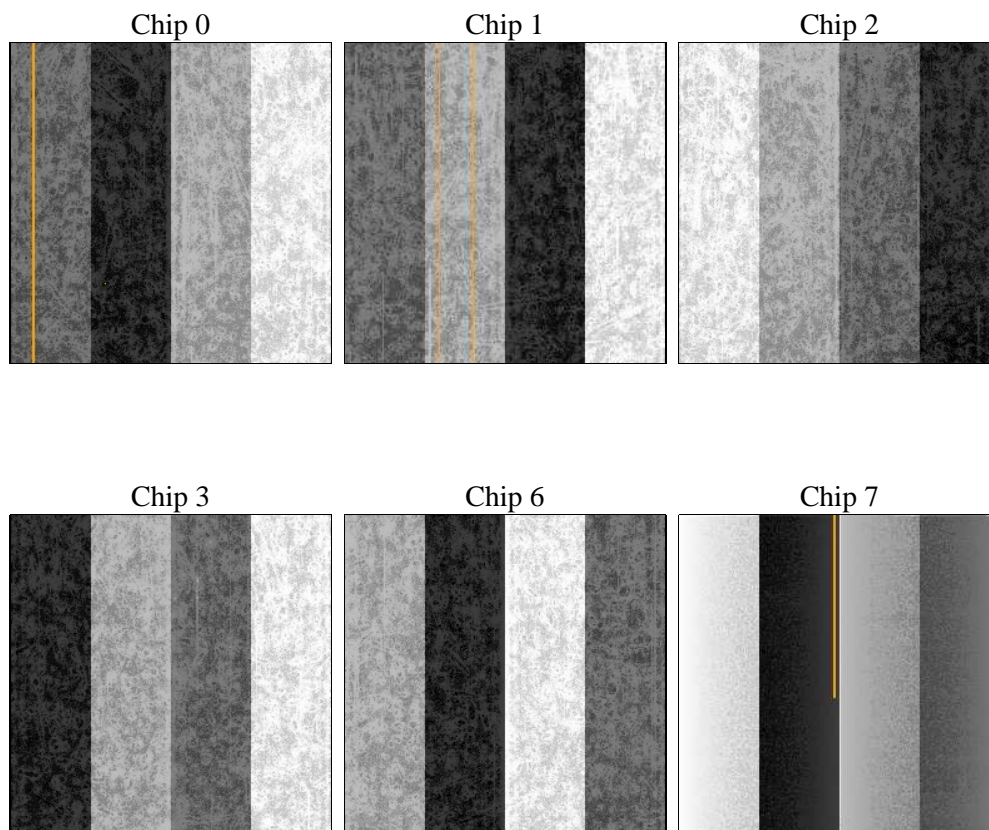
## 2 OBI

### 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	819.19999700785	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	683.5773267746	Sum of GTIs [s]
date	2012-05-12T03:33:34	Date and time of file creation	ontime1	699.2841951251	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	673.35622364283	Sum of GTIs [s]
			ontime3	677.01316648722	Sum of GTIs [s]
			ontime6	689.56125426292	Sum of GTIs [s]
			ontime7	819.19999700785	Sum of GTIs [s]
			l1events	171374	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	27087	27643	26485	27702	29516	32941
rejected events	7537	7409	7718	8171	9078	7454
rejected %	27%	26%	29%	29%	30%	22%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	10039	9969	9939	10094	9794	6058
	37%	36%	37%	36%	33%	18%
grade 1 events	90	70	107	97	83	29
	0%	0%	0%	0%	0%	0%
grade 2 events	3371	3931	3024	3266	3573	5418
	12%	14%	11%	11%	12%	16%
grade 3 events	1232	1182	1188	1208	1224	2061
	4%	4%	4%	4%	4%	6%
grade 4 events	1177	1211	1144	1324	1222	2103
	4%	4%	4%	4%	4%	6%
grade 5 events	370	431	389	461	445	1149
	1%	1%	1%	1%	1%	3%
grade 6 events	3731	3941	3472	3639	4625	9847
	13%	14%	13%	13%	15%	29%
grade 7 events	7077	6908	7222	7613	8550	6276
	26%	24%	27%	27%	28%	19%

## 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	190.4971296275465
[deg] Pointing Dec	0	26.02982880997362
[deg] Pointing Roll	0.0	172.7278335968958
[mm] SIM focus pos	-1.429586	-0.6828225247311905
[mm] SIM defocus	0.1037507710433287	0.8505141146731063
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	323045704.030051	323045703.00504
Observation start date	2008-03-27T22:55:04	2008-03-27T22:55:03
[s] Observation end time (MET)	323054170.530464	323054169.50545
Observation end date	2008-03-28T01:16:11	2008-03-28T01:16:09
Read mode	TIMED	TIMED

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	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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.81919999700785

### A.2 Comments