

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58889 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 4 2012

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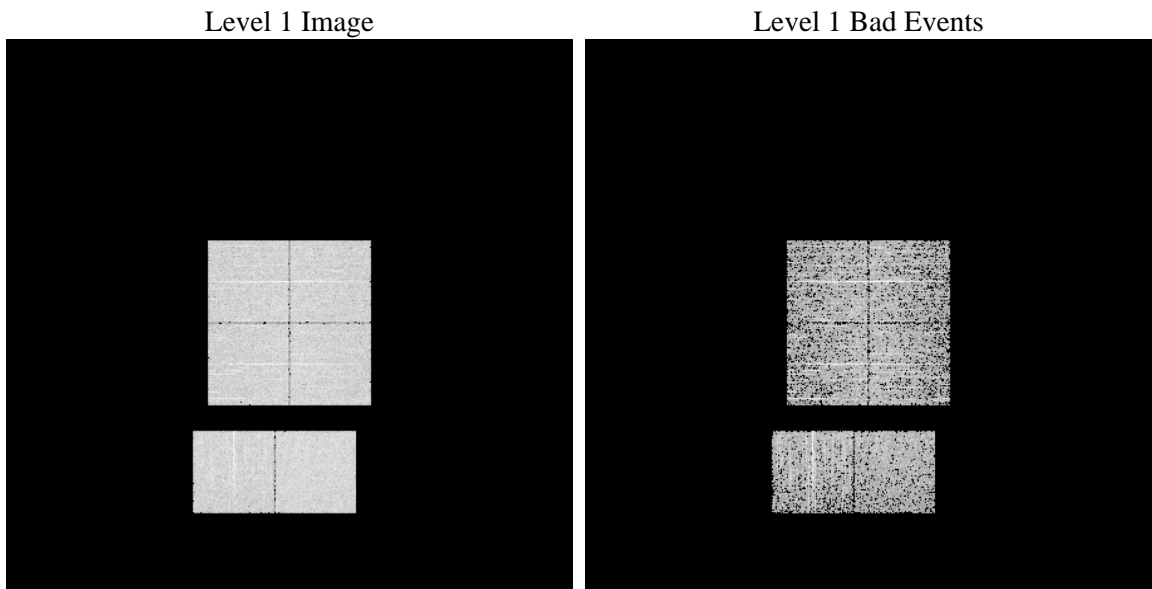
# 1 Front

seq_num	&#160	Sequence number
obs_id	58889	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	260.00066468096	Nominal RA [deg]
dec_nom	-7.0286224197615	Nominal Dec [deg]
roll_nom	238.52501645823	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1755.9486343265	Sum of GTIs [s]
livetime	1733.7137554133	Livetime [s]
ontime0	1755.9075943232	Sum of GTIs [s]
ontime1	1755.8665543199	Sum of GTIs [s]
ontime2	1755.8255143166	Sum of GTIs [s]
ontime3	1755.9896743298	Sum of GTIs [s]
ontime6	1755.7844743133	Sum of GTIs [s]
ontime7	1755.9486343265	Sum of GTIs [s]
l2events	190166	Number of level 2 events

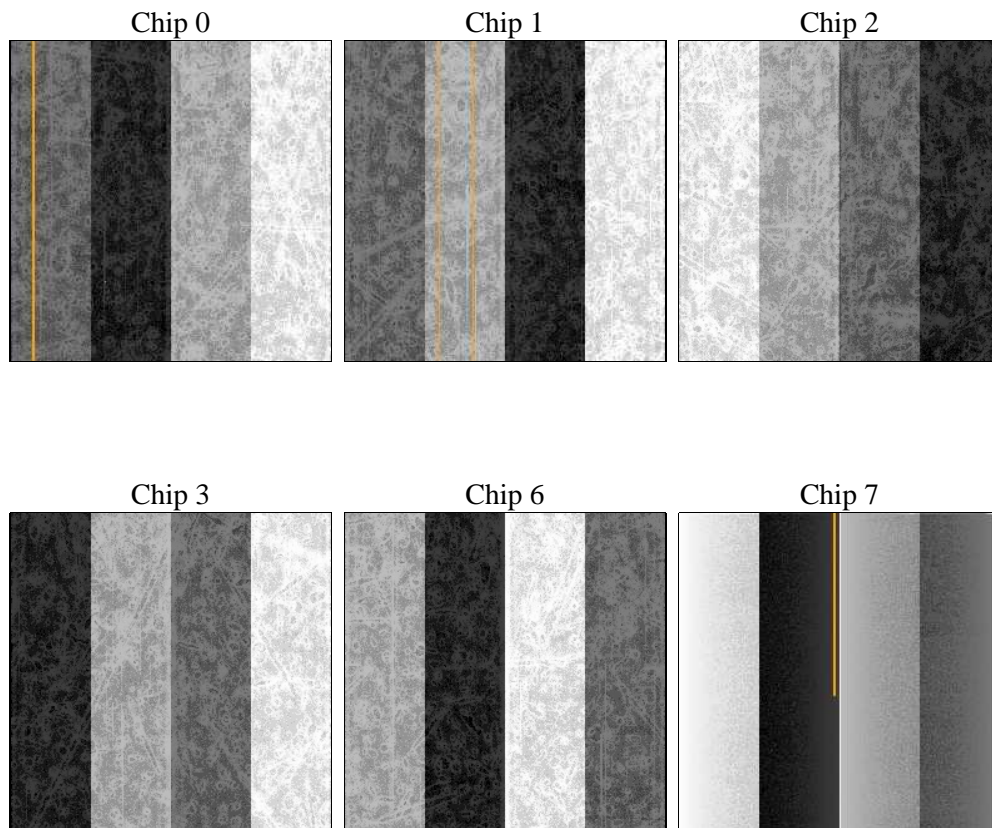
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	1755.9486343265	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	1755.9075943232	Sum of GTIs [s]
date	2012-04-05T00:07:53	Date and time of file creation	ontime1	1755.8665543199	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1755.8255143166	Sum of GTIs [s]
			ontime3	1755.9896743298	Sum of GTIs [s]
			ontime6	1755.7844743133	Sum of GTIs [s]
			ontime7	1755.9486343265	Sum of GTIs [s]
			l1events	283542	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	46133	45475	46518	46292	48079	51045
rejected events	14322	13518	14285	14168	14776	12273
rejected %	31%	29%	30%	30%	30%	24%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	17344	17432	17907	17904	17968	8790
	37%	38%	38%	38%	37%	17%
grade 1 events	118	106	146	122	97	30
	0%	0%	0%	0%	0%	0%
grade 2 events	5474	5740	5420	5390	5618	8343
	11%	12%	11%	11%	11%	16%
grade 3 events	2163	2013	2114	2207	2107	3828
	4%	4%	4%	4%	4%	7%
grade 4 events	2176	2092	2146	2173	2139	3771
	4%	4%	4%	4%	4%	7%
grade 5 events	791	777	823	887	880	2124
	1%	1%	1%	1%	1%	4%
grade 6 events	4654	4680	4646	4450	5471	14040
	10%	10%	9%	9%	11%	27%
grade 7 events	13413	12635	13316	13159	13799	10119
	29%	27%	28%	28%	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	260.0006646809611
[deg] Pointing Dec	0	-7.028622419761543
[deg] Pointing Roll	0.0	238.5250164582252
[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)	268895736.59387	268895735.56887
Observation start date	2006-07-10T05:15:37	2006-07-10T05:15:35
[s] Observation end time (MET)	268904260.494269	268904259.46927
Observation end date	2006-07-10T07:37:40	2006-07-10T07:37:39
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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.7559486343265

### A.2 Comments