

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58210 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 1 2012

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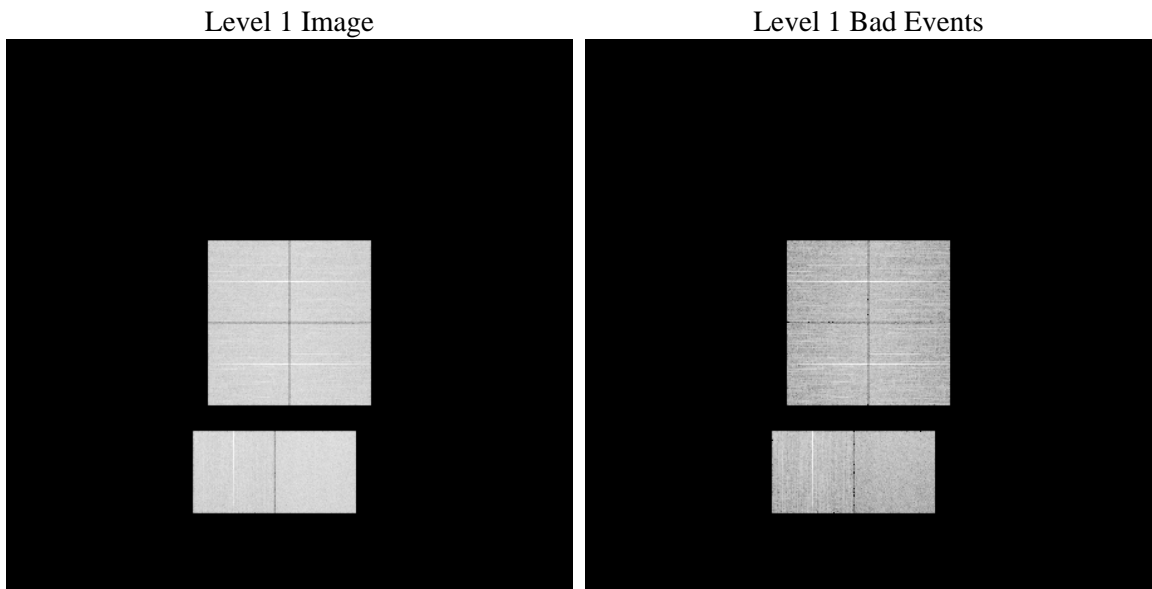
# 1 Front

seq_num	&#160	Sequence number
obs_id	58210	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycycle	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	352.62707858866	Nominal RA [deg]
dec_nom	-33.118918812756	Nominal Dec [deg]
roll_nom	7.7375361859373	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8271.999969244	Sum of GTIs [s]
livetime	8167.254924833	Livetime [s]
ontime0	8271.999969244	Sum of GTIs [s]
ontime1	8271.999969244	Sum of GTIs [s]
ontime2	8271.999969244	Sum of GTIs [s]
ontime3	8271.999969244	Sum of GTIs [s]
ontime6	8271.999969244	Sum of GTIs [s]
ontime7	8271.999969244	Sum of GTIs [s]
l2events	690373	Number of level 2 events

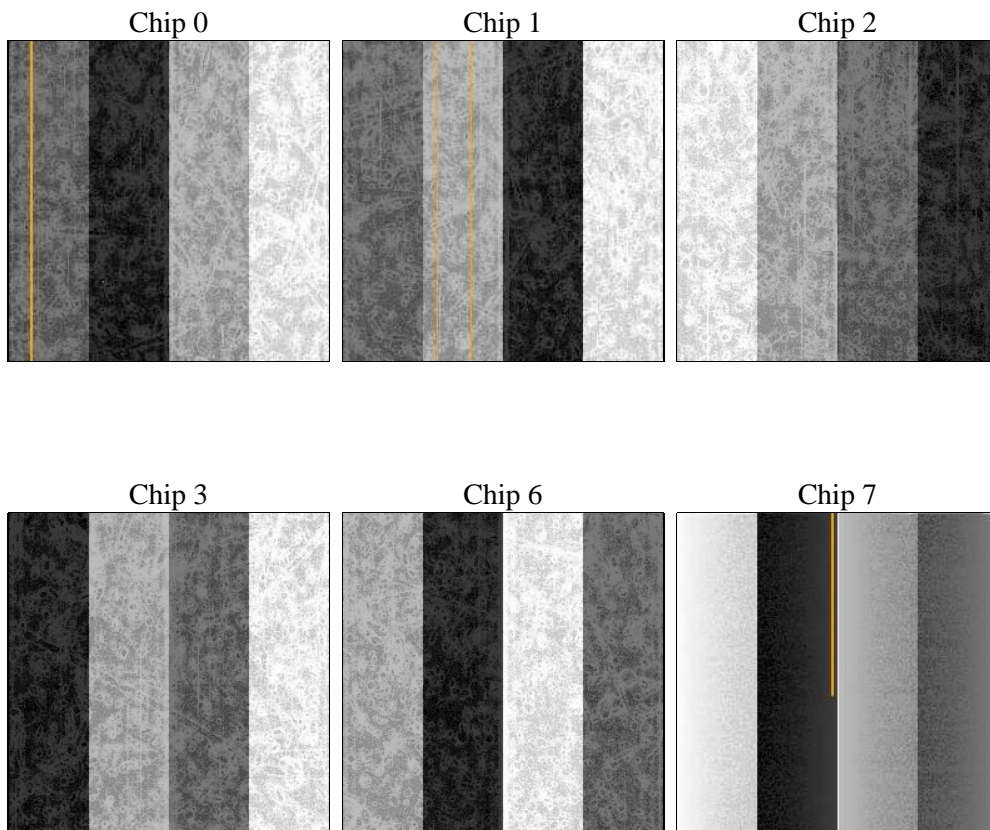
## 2 OBI

### 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	8271.999969244	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	8271.999969244	Sum of GTIs [s]
date	2012-05-01T07:08:17	Date and time of file creation	ontime1	8271.999969244	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8271.999969244	Sum of GTIs [s]
			ontime3	8271.999969244	Sum of GTIs [s]
			ontime6	8271.999969244	Sum of GTIs [s]
			ontime7	8271.999969244	Sum of GTIs [s]
			l1events	1164469	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	183585	185167	191147	192500	196212	215858	grade 0 events	61642	61215	63770	63826	63357	30799
rejected events	69500	70618	76056	77034	77193	65927		33%	33%	33%	33%	32%	14%
rejected %	37%	38%	39%	40%	39%	30%	grade 1 events	466	409	468	501	394	202
								0%	0%	0%	0%	0%	0%
							grade 2 events	20182	20861	19527	20069	20936	32872
								10%	11%	10%	10%	10%	15%
							grade 3 events	7687	7595	7759	7661	7628	13998
								4%	4%	4%	3%	3%	6%
							grade 4 events	7621	7621	7703	7736	7493	14226
								4%	4%	4%	4%	3%	6%
							grade 5 events	4036	4199	3792	4367	4324	10857
								2%	2%	1%	2%	2%	5%
							grade 6 events	17006	17305	16391	16229	19638	58094
								9%	9%	8%	8%	10%	26%
							grade 7 events	64945	65962	71737	72111	72442	54810
								35%	35%	37%	37%	36%	25%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	352.627078588656	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-33.1189188127561	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	7.737536185937302			
[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)	306171603.813535	306171602.78853			
Observation start date	2007-09-14T15:40:04	2007-09-14T15:40:02			
[s] Observation end time (MET)	306195010.714661	306195009.68966			
Observation end date	2007-09-14T22:10:11	2007-09-14T22:10:09			
Read mode	TIMED	TIMED			

**2.3 Star Slots**

**2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.271999969244

## A.2 Comments