

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59680 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 22 2012

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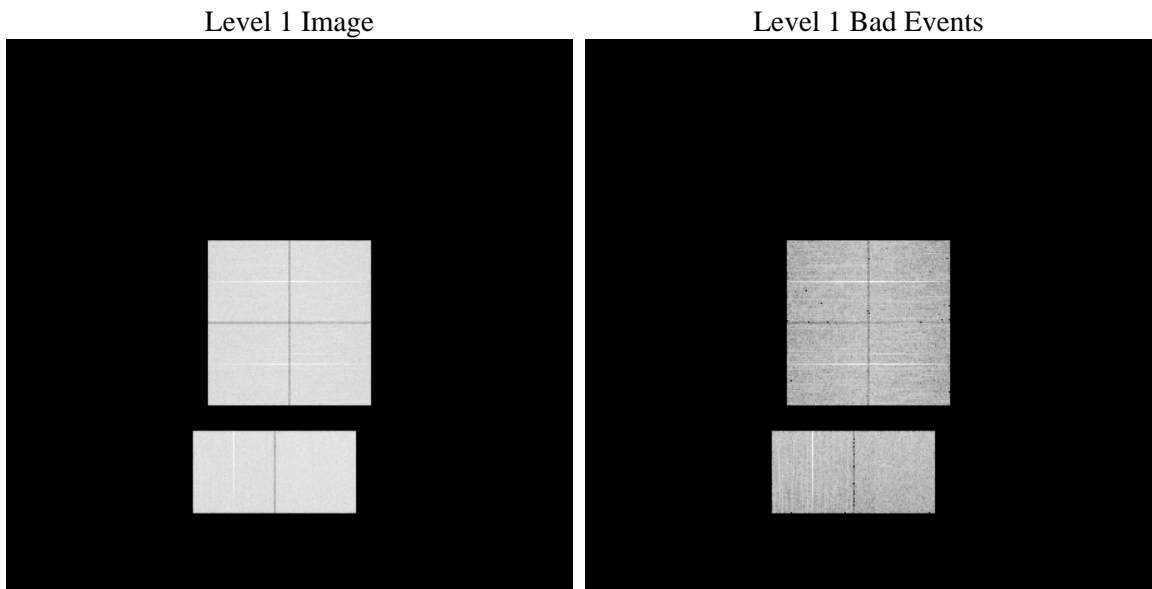
# 1 Front

seq_num	&#160	Sequence number
obs_id	59680	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	207.03559059183	Nominal RA [deg]
dec_nom	-38.992687162472	Nominal Dec [deg]
roll_nom	341.96318697299	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8214.399969399	Sum of GTIs [s]
livetime	8110.3842908686	Livetime [s]
ontime0	7598.6143239141	Sum of GTIs [s]
ontime1	7708.8075137734	Sum of GTIs [s]
ontime2	7358.7823503315	Sum of GTIs [s]
ontime3	7323.1309901178	Sum of GTIs [s]
ontime6	7776.8678607345	Sum of GTIs [s]
ontime7	8214.399969399	Sum of GTIs [s]
l2events	1095339	Number of level 2 events

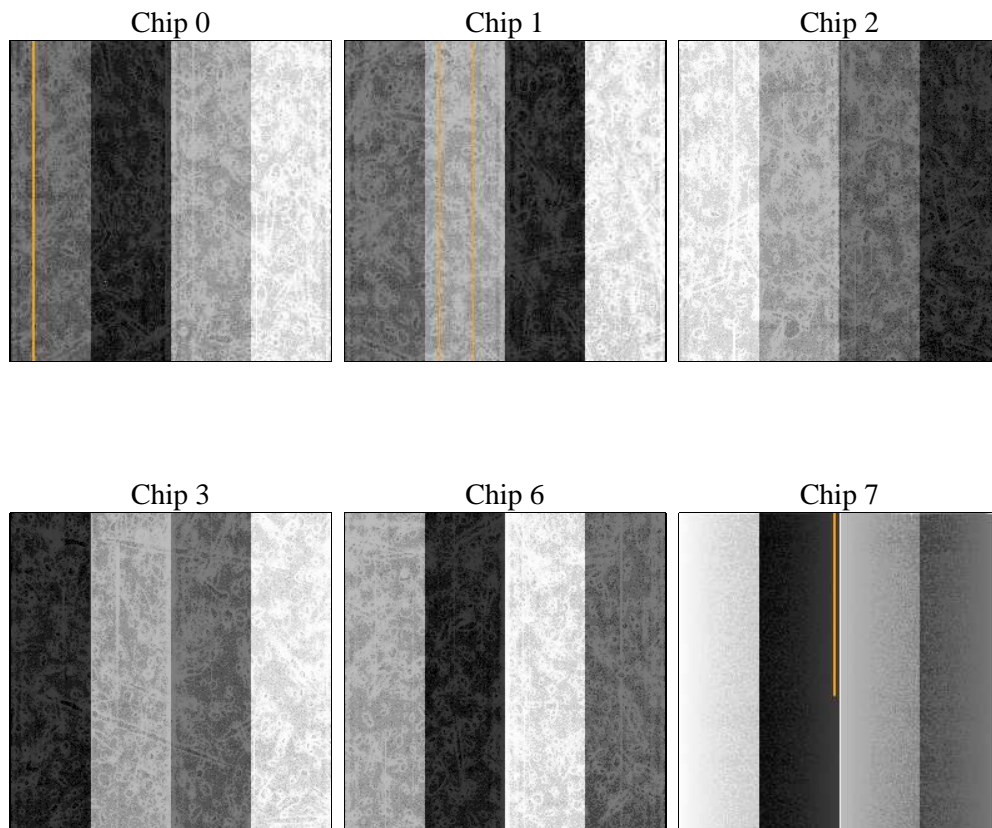
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	8214.399969399	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	7598.6143239141	Sum of GTIs [s]
date	2012-12-22T18:35:17	Date and time of file creation	ontime1	7708.8075137734	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7358.7823503315	Sum of GTIs [s]
			ontime3	7323.1309901178	Sum of GTIs [s]
			ontime6	7776.8678607345	Sum of GTIs [s]
			ontime7	8214.399969399	Sum of GTIs [s]
			l1events	1489755	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	238581	241645	235084	237039	259360	278046	grade 0 events	100905	102809	101077	101272	107451	52694
rejected events	55294	54257	54955	57248	62072	54044		42%	42%	42%	42%	41%	18%
rejected %	23%	22%	23%	24%	23%	19%	grade 1 events	634	533	642	665	564	169
								0%	0%	0%	0%	0%	0%
							grade 2 events	32404	33910	30590	30806	34371	49310
								13%	14%	13%	12%	13%	17%
							grade 3 events	11910	11940	12075	11825	12489	22458
								4%	4%	5%	4%	4%	8%
							grade 4 events	12031	11940	12045	11990	12605	22250
								5%	4%	5%	5%	4%	8%
							grade 5 events	3402	3460	3115	3605	3798	9138
								1%	1%	1%	1%	1%	3%
							grade 6 events	27239	28023	25737	25219	31833	79065
								11%	11%	10%	10%	12%	28%
							grade 7 events	50056	49030	49803	51657	56249	42962
								20%	20%	21%	21%	21%	15%

## 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	207.035590591826	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-38.99268716247242	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	341.9631869729898			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	231004574.193489	231004573.16849			
Observation start date	2005-04-27T15:56:14	2005-04-27T15:56:13			
[s] Observation end time (MET)	231028147.144561	231028146.11956			
Observation end date	2005-04-27T22:29:07	2005-04-27T22:29:06			
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)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.214399969399

### A.2 Comments