

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 62802 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 26 2012

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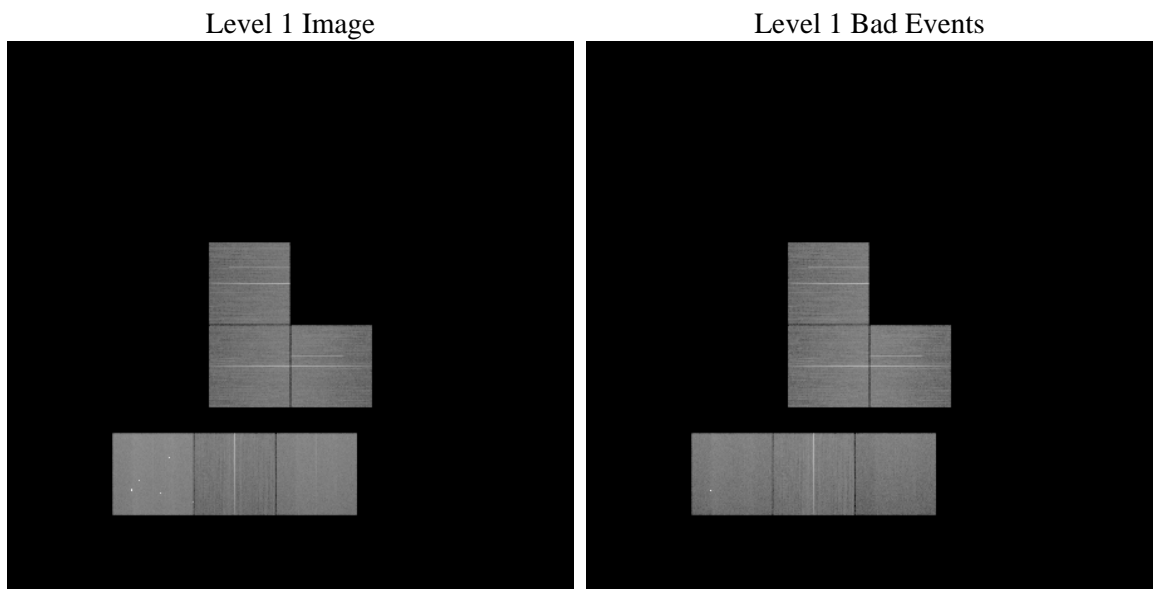
# 1 Front

seq_num	&#160	Sequence number
obs_id	62802	Observation id
title	ACIS-023567 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	193.10851253849	Nominal RA [deg]
dec_nom	27.348986491802	Nominal Dec [deg]
roll_nom	37.744842382978	Nominal Roll [deg]
revision	2	Processing version of data
ontime	51206.399809301	Sum of GTIs [s]
livetime	50557.993542123	Livetime [s]
ontime0	51203.158868909	Sum of GTIs [s]
ontime2	51206.399809301	Sum of GTIs [s]
ontime3	51196.676938176	Sum of GTIs [s]
ontime5	51206.399809301	Sum of GTIs [s]
ontime6	51203.158838928	Sum of GTIs [s]
ontime7	51206.399809301	Sum of GTIs [s]
l2events	517823	Number of level 2 events

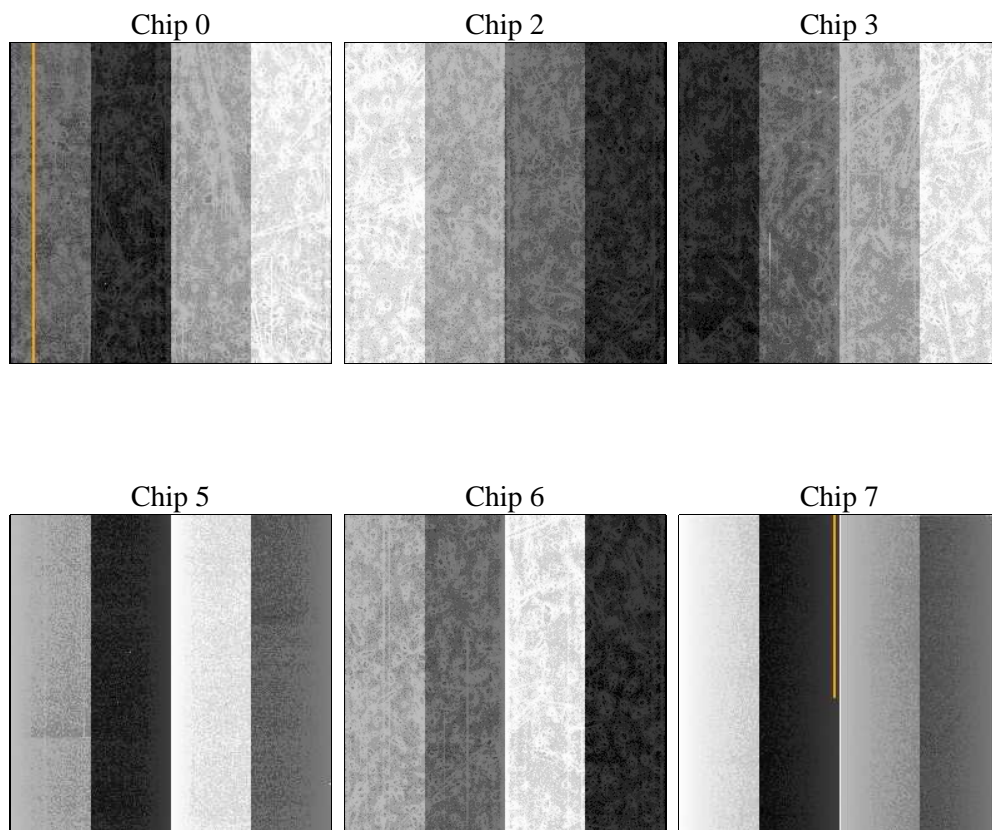
## 2 OBI

### 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	Processing system revision	ontime	51206.399809301	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	51203.158868909	Sum of GTIs [s]
date	2012-02-26T06:47:07	Date and time of file creation	ontime2	51206.399809301	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	51196.676938176	Sum of GTIs [s]
			ontime5	51206.399809301	Sum of GTIs [s]
			ontime6	51203.158838928	Sum of GTIs [s]
			ontime7	51206.399809301	Sum of GTIs [s]
			l1events	2135784	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7		ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	282893	303761	304244	512967	327332	404587	grade 0 events	11304	11285	10553	24810	11311	15589
rejected events	248300	269779	272299	263087	291646	224939		3%	3%	3%	4%	3%	3%
rejected %	87%	88%	89%	51%	89%	55%	grade 1 events	178	186	183	847	157	503
								0%	0%	0%	0%	0%	0%
							grade 2 events	8746	8460	7232	77916	8474	36551
								3%	2%	2%	15%	2%	9%
							grade 3 events	3746	3743	3565	8939	3786	16058
								1%	1%	1%	1%	1%	3%
							grade 4 events	3480	3671	3645	8445	3838	15776
								1%	1%	1%	1%	1%	3%
							grade 5 events	13922	13485	15394	38075	15746	42994
								4%	4%	5%	7%	4%	10%
							grade 6 events	7345	6859	6981	129971	8309	95826
								2%	2%	2%	25%	2%	23%
							grade 7 events	234172	256072	256691	223964	275711	181290
								82%	84%	84%	43%	84%	44%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-023567	ACIS-023567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	193.1085125384884	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	27.34898649180185	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	37.74484238297824	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.038866356238299			
[mm] SIM defocus	0.1037507710433287	0.001426264420575141			
[mm] SIM translation stage pos	250.455976	51.9960404362608			
[mm] SIM translation stage offset	0	74.98944845534076			
[s] Observation start time (MET)	437222164.081322	437222163.05632			
Observation start date	2011-11-09T10:36:04	2011-11-09T10:36:03			
[s] Observation end time (MET)	437275127.884112	437275126.85911			
Observation end date	2011-11-10T01:18:48	2011-11-10T01:18:46			
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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	51.206399809301

### A.2 Comments