

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62811 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 9 2012

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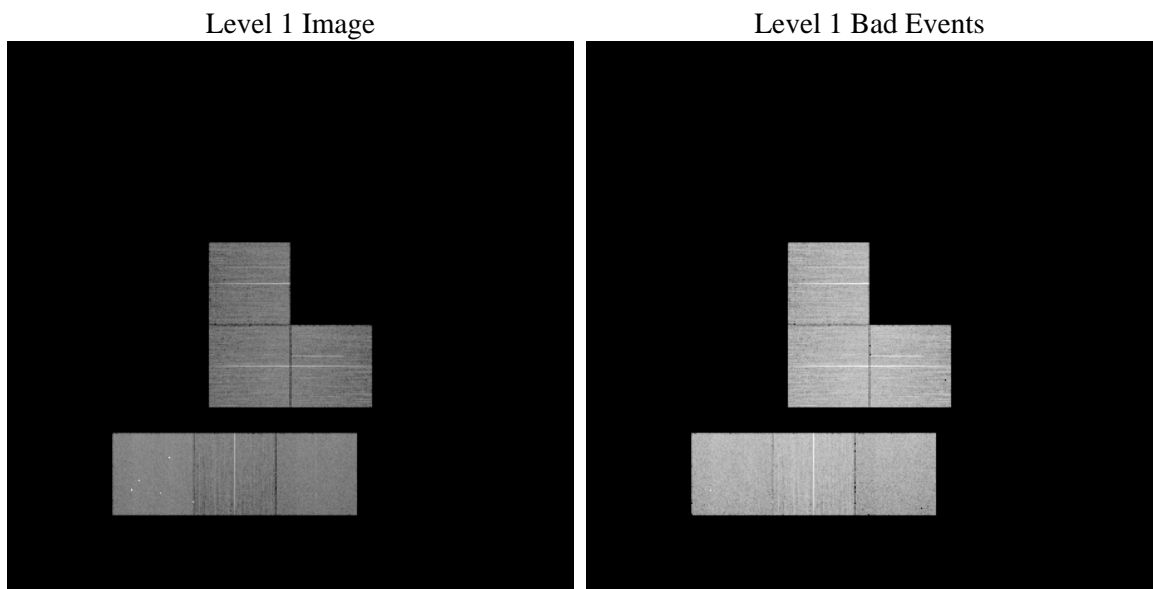
# 1 Front

seq_num	&#160	Sequence number
obs_id	62811	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	192.66819515386	Nominal RA [deg]
dec_nom	27.649037969054	Nominal Dec [deg]
roll_nom	242.52326910378	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12534.399953365	Sum of GTIs [s]
livetime	12375.681833846	Livetime [s]
ontime0	12534.399953365	Sum of GTIs [s]
ontime2	12534.399953365	Sum of GTIs [s]
ontime3	12534.399953365	Sum of GTIs [s]
ontime5	12534.399953365	Sum of GTIs [s]
ontime6	12531.159092546	Sum of GTIs [s]
ontime7	12534.399953365	Sum of GTIs [s]
l2events	163008	Number of level 2 events

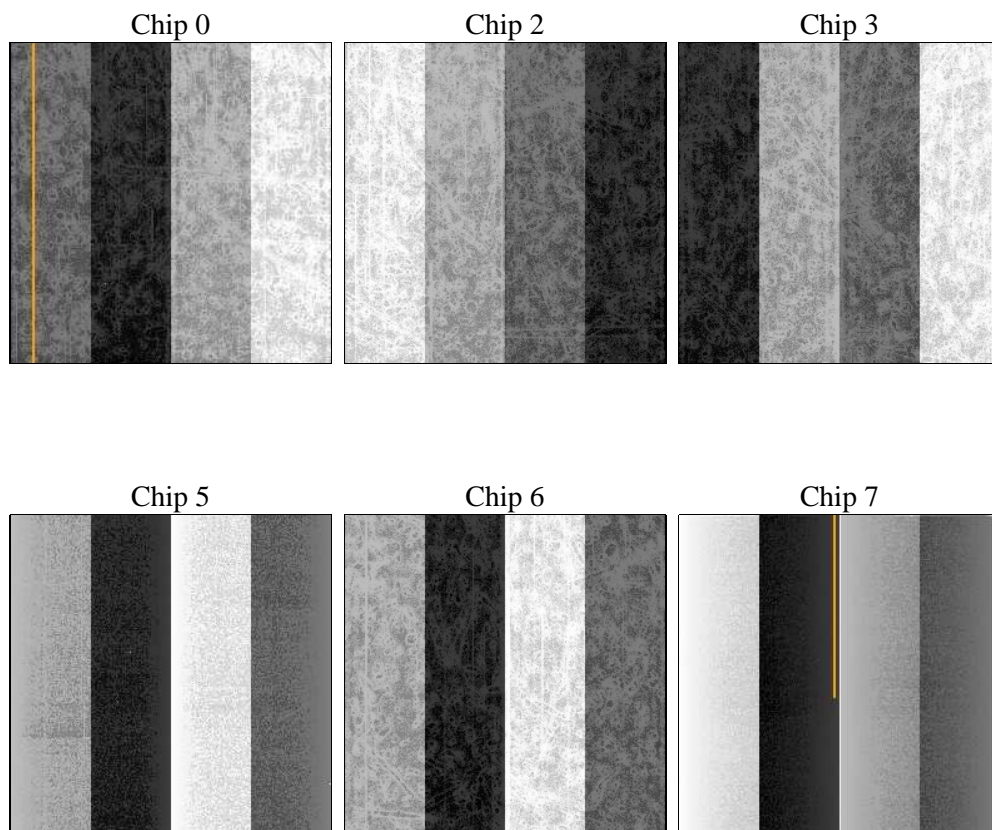
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	12534.399953365	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	12534.399953365	Sum of GTIs [s]
date	2012-06-09T08:00:43	Date and time of file creation	ontime2	12534.399953365	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	12534.399953365	Sum of GTIs [s]
			ontime5	12534.399953365	Sum of GTIs [s]
			ontime6	12531.159092546	Sum of GTIs [s]
			ontime7	12534.399953365	Sum of GTIs [s]
			l1events	726629	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	100049	114051	110010	161994	115402	125123	grade 0 events	3608	3637	3454	12007	3793	5096
rejected events	89413	103548	99821	79622	104012	68776		3%	3%	3%	7%	3%	4%
rejected %	89%	90%	90%	49%	90%	54%	grade 1 events	57	64	61	312	57	192
								0%	0%	0%	0%	0%	0%
							grade 2 events	2641	2640	2315	23904	2675	11562
								2%	2%	2%	14%	2%	9%
							grade 3 events	1187	1131	1126	3296	1238	5192
								1%	0%	1%	2%	1%	4%
							grade 4 events	1135	1180	1100	3021	1207	4905
								1%	1%	0%	1%	1%	3%
							grade 5 events	3854	3700	4498	12212	4605	13026
								3%	3%	4%	7%	3%	10%
							grade 6 events	2142	1983	2282	40753	2554	29994
								2%	1%	2%	25%	2%	23%
							grade 7 events	85425	99716	95174	66489	99273	55156
								85%	87%	86%	41%	86%	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	192.668195153857	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	27.64903796905363	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	242.5232691037841	[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)	361824565.051731	361824564.02673			
Observation start date	2009-06-19T18:49:25	2009-06-19T18:49:24			
[s] Observation end time (MET)	361838978.602452	361838977.57745			
Observation end date	2009-06-19T22:49:39	2009-06-19T22:49:37			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.534399953365

### **A.2 Comments**