

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62034 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 28 2012

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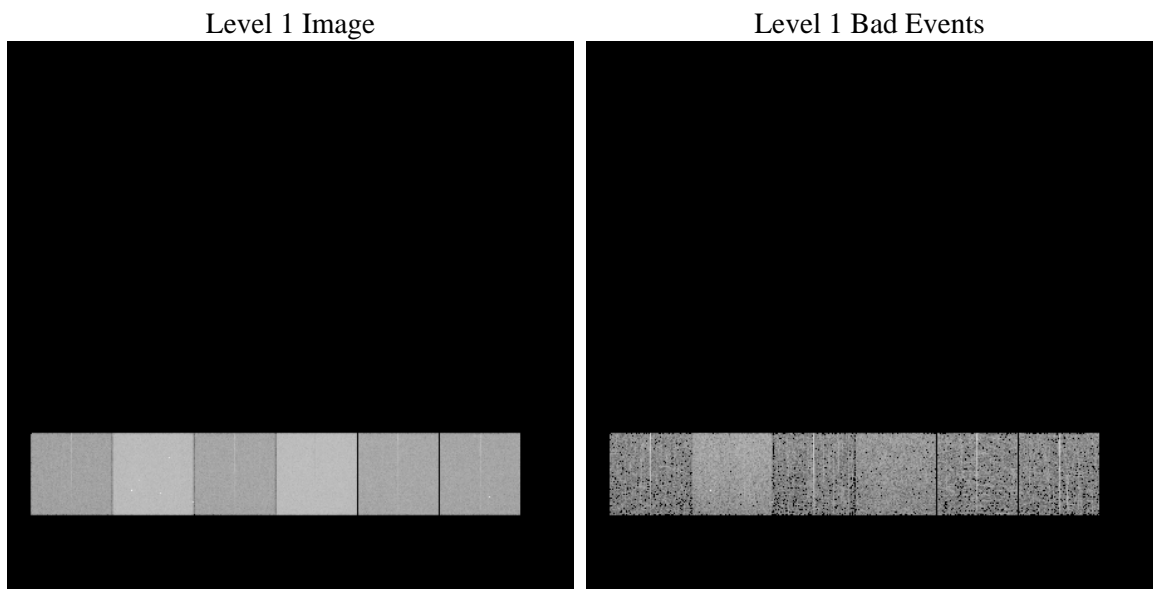
# 1 Front

seq_num	&#160	Sequence number
obs_id	62034	Observation id
title	ACIS-456789 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	37.538271802977	Nominal RA [deg]
dec_nom	-66.339970911353	Nominal Dec [deg]
roll_nom	147.59117223895	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4163.2094523609	Sum of GTIs [s]
livetime	4110.4923874913	Livetime [s]
ontime4	1693.4462723285	Sum of GTIs [s]
ontime5	4461.2737459987	Sum of GTIs [s]
ontime6	1780.9543820173	Sum of GTIs [s]
ontime7	4163.2094523609	Sum of GTIs [s]
ontime8	1917.3466570824	Sum of GTIs [s]
ontime9	1806.8826720268	Sum of GTIs [s]
l2events	1233784	Number of level 2 events

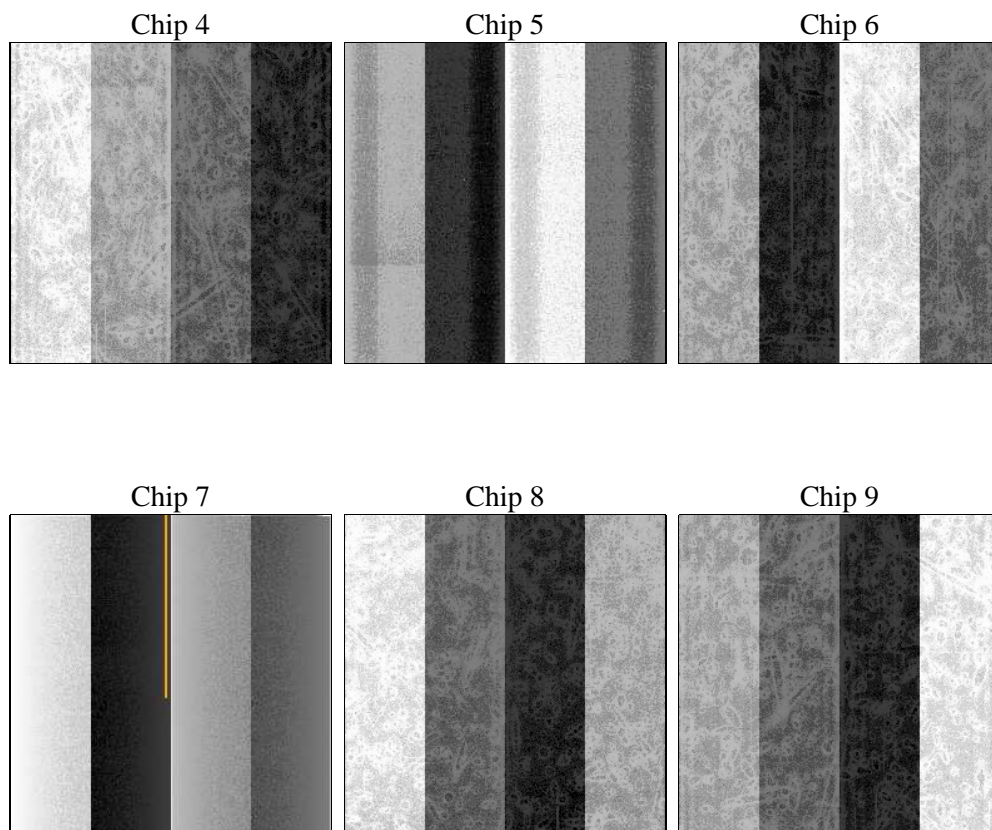
## 2 OBI

### 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	4163.2094523609	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1693.4462723285	Sum of GTIs [s]
date	2012-08-28T22:10:36	Date and time of file creation	ontime5	4461.2737459987	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	1780.9543820173	Sum of GTIs [s]
			ontime7	4163.2094523609	Sum of GTIs [s]
			ontime8	1917.3466570824	Sum of GTIs [s]
			ontime9	1806.8826720268	Sum of GTIs [s]
			l1events	1410197	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	150933	363864	171058	374748	182435	167159	grade 0 events	76212	88125	83987	91188	91249	82833
rejected events	16458	32782	17048	21983	18056	16976		50%	24%	49%	24%	50%	49%
rejected %	10%	9%	9%	5%	9%	10%	grade 1 events	467	314	447	263	494	497
								0%	0%	0%	0%	0%	0%
							grade 2 events	23706	112178	26647	78208	28897	26364
								15%	30%	15%	20%	15%	15%
							grade 3 events	8228	23306	9581	36216	10242	9295
								5%	6%	5%	9%	5%	5%
							grade 4 events	8332	22952	9541	36183	10349	9135
								5%	6%	5%	9%	5%	5%
							grade 5 events	1132	7064	1279	5078	1420	1326
								0%	1%	0%	1%	0%	0%
							grade 6 events	17997	84521	24254	110970	23642	22556
								11%	23%	14%	29%	12%	13%
							grade 7 events	14859	25404	15322	16642	16142	15153
								9%	6%	8%	4%	8%	9%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	37.53827180297688
[deg] Pointing Dec	0	-66.33997091135265
[deg] Pointing Roll	0.0	147.5911722389541
[mm] SIM focus pos	-0.684267	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	76521741.72400001	76521740.955924
Observation start date	2000-06-04T16:02:22	2000-06-04T16:02:20
[s] Observation end time (MET)	76565468.226	76565467.457534
Observation end date	2000-06-05T04:11:08	2000-06-05T04:11:07
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	0.000000	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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1632094523609

### A.2 Comments