

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61836 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Sep 4 2012

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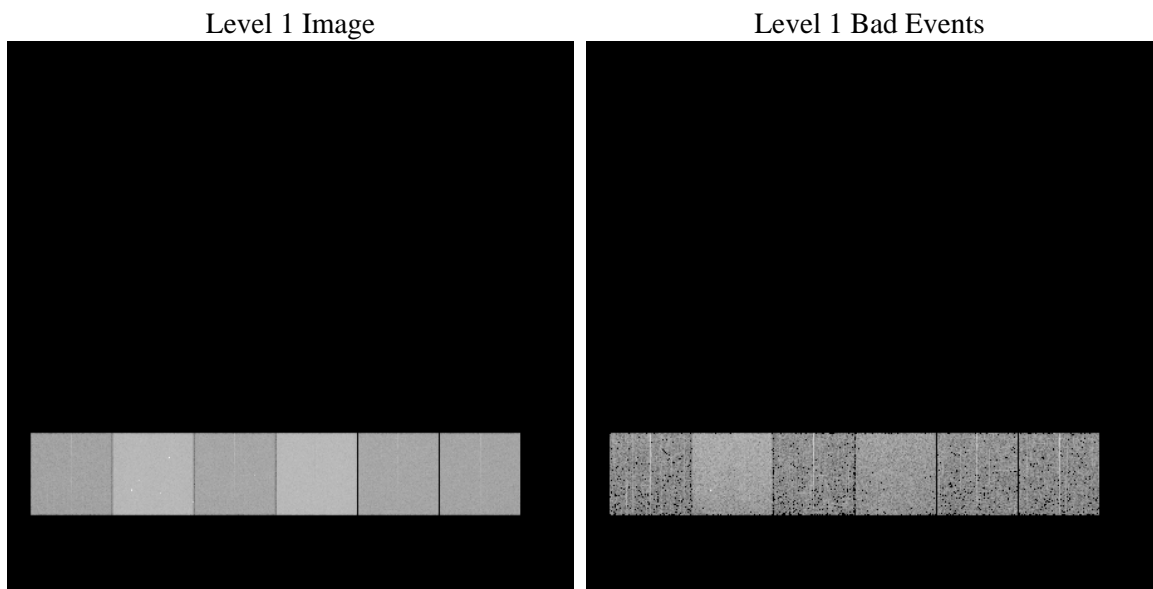
# 1 Front

seq_num	&#160	Sequence number
obs_id	61836	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	80.018783985477	Nominal RA [deg]
dec_nom	-19.977380838572	Nominal Dec [deg]
roll_nom	19.488788294696	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4993.1711825132	Sum of GTIs [s]
livetime	4929.9446424735	Livetime [s]
ontime4	2231.8067306876	Sum of GTIs [s]
ontime5	5333.36896348	Sum of GTIs [s]
ontime6	2410.0854045451	Sum of GTIs [s]
ontime7	4993.1711825132	Sum of GTIs [s]
ontime8	2442.5153701305	Sum of GTIs [s]
ontime9	2354.8020604551	Sum of GTIs [s]
l2events	1354713	Number of level 2 events

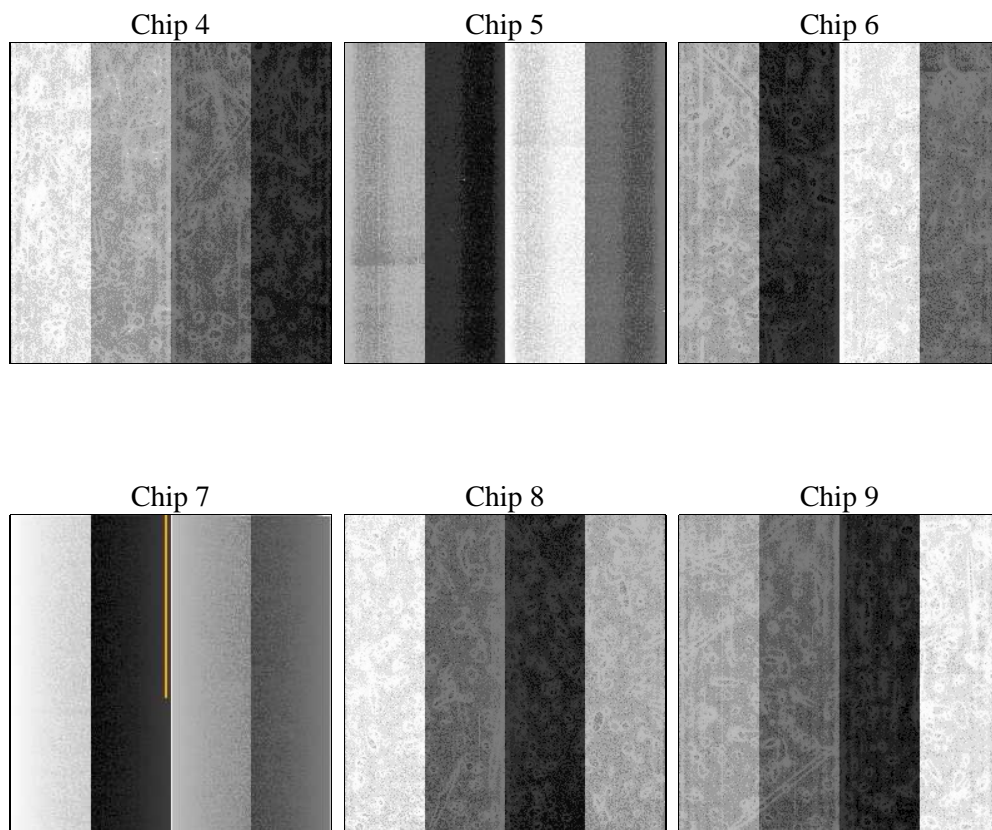
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4993.1711825132	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime4	2231.8067306876	Sum of GTIs [s]
date	2012-09-04T05:39:41	Date and time of file creation	ontime5	5333.36896348	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	2410.0854045451	Sum of GTIs [s]
			ontime7	4993.1711825132	Sum of GTIs [s]
			ontime8	2442.5153701305	Sum of GTIs [s]
			ontime9	2354.8020604551	Sum of GTIs [s]
			l1events	1556655	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	178090	381930	204048	396489	205433	190665	grade 0 events	91546	89029	102573	96593	103961	95939
rejected events	18968	38674	18760	25792	19043	18166		51%	23%	50%	24%	50%	50%
rejected %	10%	10%	9%	6%	9%	9%	grade 1 events	439	250	485	257	469	441
								0%	0%	0%	0%	0%	0%
							grade 2 events	28120	121749	32704	83106	33050	30845
								15%	31%	16%	20%	16%	16%
							grade 3 events	9788	23082	11447	38083	11896	10740
								5%	6%	5%	9%	5%	5%
							grade 4 events	9682	22915	11406	38051	11771	10635
								5%	5%	5%	9%	5%	5%
							grade 5 events	1277	7394	1423	5018	1501	1418
								0%	1%	0%	1%	0%	0%
							grade 6 events	21660	90151	29352	118871	27414	26316
								12%	23%	14%	29%	13%	13%
							grade 7 events	15578	27360	14658	16510	15371	14331
								8%	7%	7%	4%	7%	7%

## 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	80.01878398547713
[deg] Pointing Dec	0	-19.97738083857161
[deg] Pointing Roll	0.0	19.48878829469637
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	91873542.44938099	91873541.680911
Observation start date	2000-11-29T08:25:42	2000-11-29T08:25:41
[s] Observation end time (MET)	91885774.799849	91885774.031378
Observation end date	2000-11-29T11:49:35	2000-11-29T11:49:34
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	3.2	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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9931711825132

### A.2 Comments