

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61087 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 13 2012

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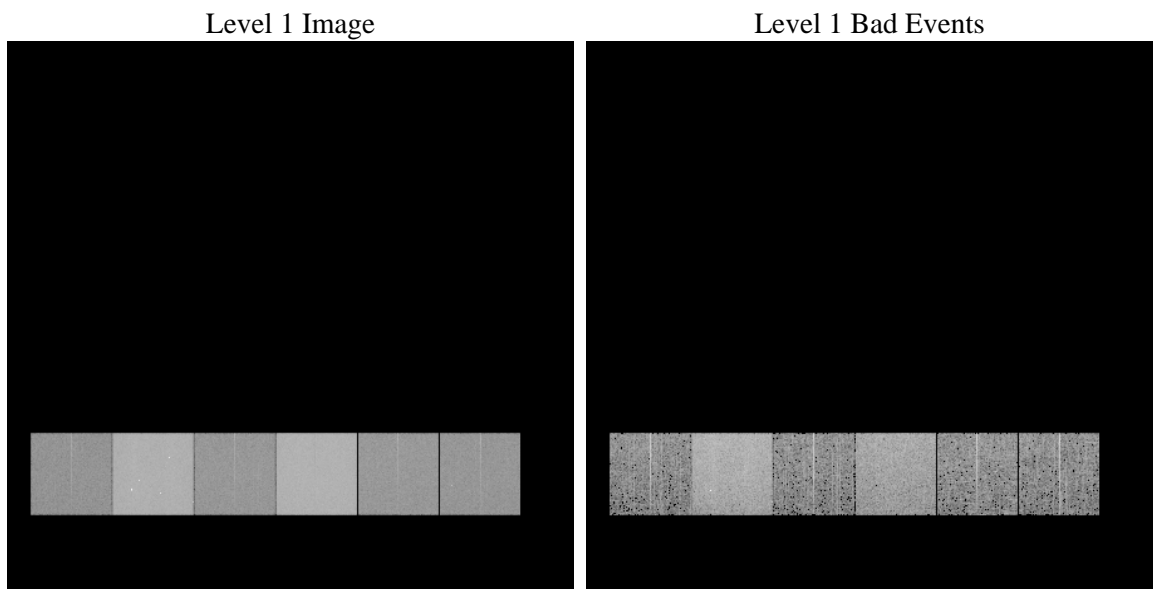
# 1 Front

seq_num	&#160	Sequence number
obs_id	61087	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	344.47045840657	Nominal RA [deg]
dec_nom	15.002234798097	Nominal Dec [deg]
roll_nom	142.64893355937	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8132.2492446899	Sum of GTIs [s]
livetime	8029.2738081011	Livetime [s]
ontime4	2900.7280822992	Sum of GTIs [s]
ontime5	8456.3046720326	Sum of GTIs [s]
ontime6	3137.8125686646	Sum of GTIs [s]
ontime7	8132.2492446899	Sum of GTIs [s]
ontime8	3205.3840082884	Sum of GTIs [s]
ontime9	3108.1537251174	Sum of GTIs [s]
l2events	1297846	Number of level 2 events

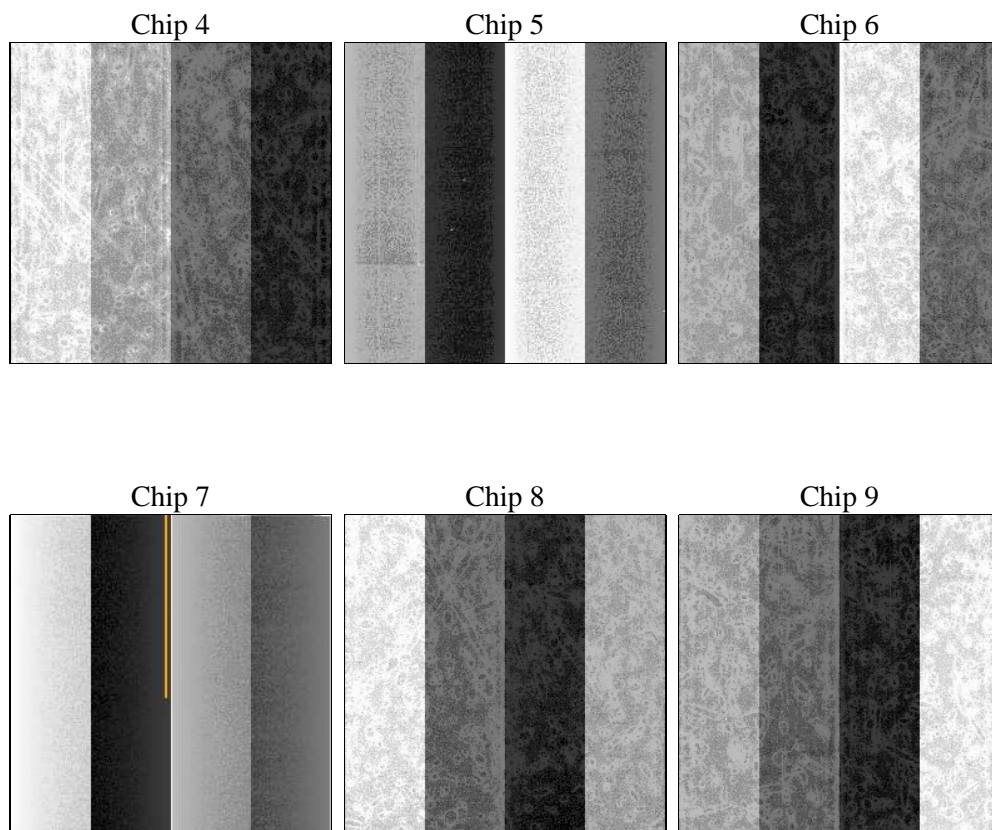
## 2 OBI

### 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	8132.2492446899	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2900.7280822992	Sum of GTIs [s]
date	2012-10-13T23:47:59	Date and time of file creation	ontime5	8456.3046720326	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3137.8125686646	Sum of GTIs [s]
			ontime7	8132.2492446899	Sum of GTIs [s]
			ontime8	3205.3840082884	Sum of GTIs [s]
			ontime9	3108.1537251174	Sum of GTIs [s]
			l1events	1556982	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	154315	424217	177754	444700	184677	171319	grade 0 events	77741	74329	84855	99921	88455	82690
rejected events	23102	61794	23317	44000	25316	23296		50%	17%	47%	22%	47%	48%
rejected %	14%	14%	13%	9%	13%	13%	grade 1 events	590	298	402	259	449	435
								0%	0%	0%	0%	0%	0%
							grade 2 events	19349	143867	26589	89308	27507	24680
								12%	33%	14%	20%	14%	14%
							grade 3 events	8830	18911	9226	40003	10046	9420
								5%	4%	5%	8%	5%	5%
							grade 4 events	8690	18829	9352	39666	9951	9408
								5%	4%	5%	8%	5%	5%
							grade 5 events	1515	10403	1630	8415	1855	1679
								0%	2%	0%	1%	1%	0%
							grade 6 events	16603	106633	24577	131964	23402	21825
								10%	25%	13%	29%	12%	12%
							grade 7 events	20997	50947	21123	35164	23012	21182
								13%	12%	11%	7%	12%	12%

## 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	344.4704584065702
[deg] Pointing Dec	0	15.00223479809743
[deg] Pointing Roll	0.0	142.6489335593664
[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)	145554617.285164	145554616.26045
Observation start date	2002-08-12T15:50:17	2002-08-12T15:50:16
[s] Observation end time (MET)	145577206.236097	145577205.21138
Observation end date	2002-08-12T22:06:46	2002-08-12T22:06:45
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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1322492446899

### A.2 Comments