

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60987 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 16 2012

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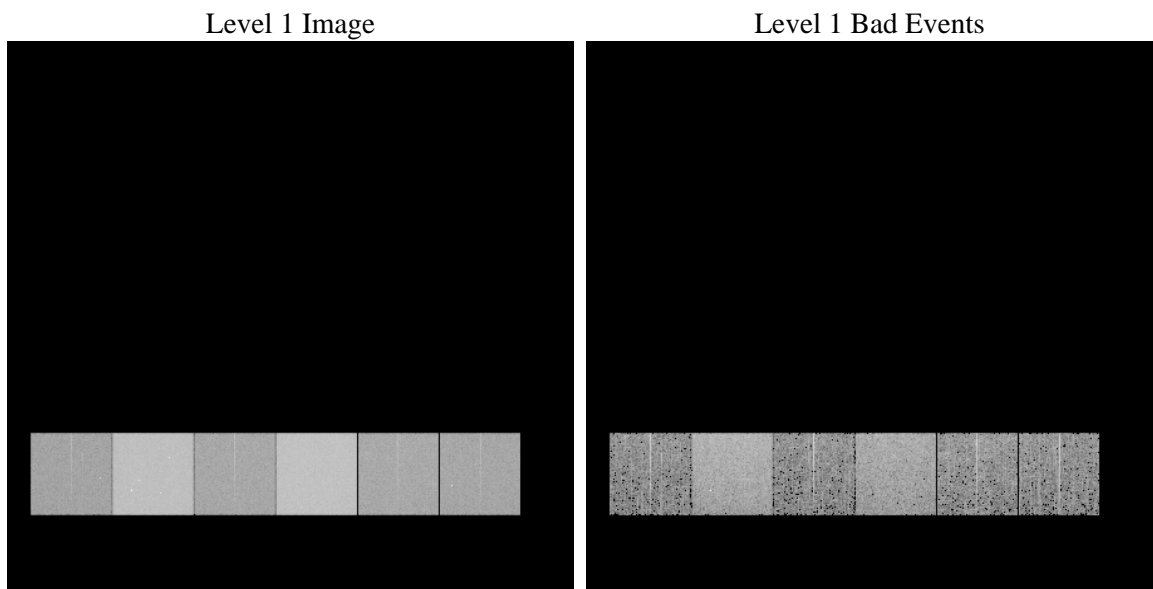
# 1 Front

seq_num	&#160	Sequence number
obs_id	60987	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	53.397960013603	Nominal RA [deg]
dec_nom	-3.0714891827437	Nominal Dec [deg]
roll_nom	61.255017164275	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7719.5716421902	Sum of GTIs [s]
livetime	7621.8217778888	Livetime [s]
ontime4	2741.9170751572	Sum of GTIs [s]
ontime5	7790.832088232	Sum of GTIs [s]
ontime6	3013.5724309385	Sum of GTIs [s]
ontime7	7719.5716421902	Sum of GTIs [s]
ontime8	3094.5155344605	Sum of GTIs [s]
ontime9	2946.1018080115	Sum of GTIs [s]
l2events	1204762	Number of level 2 events

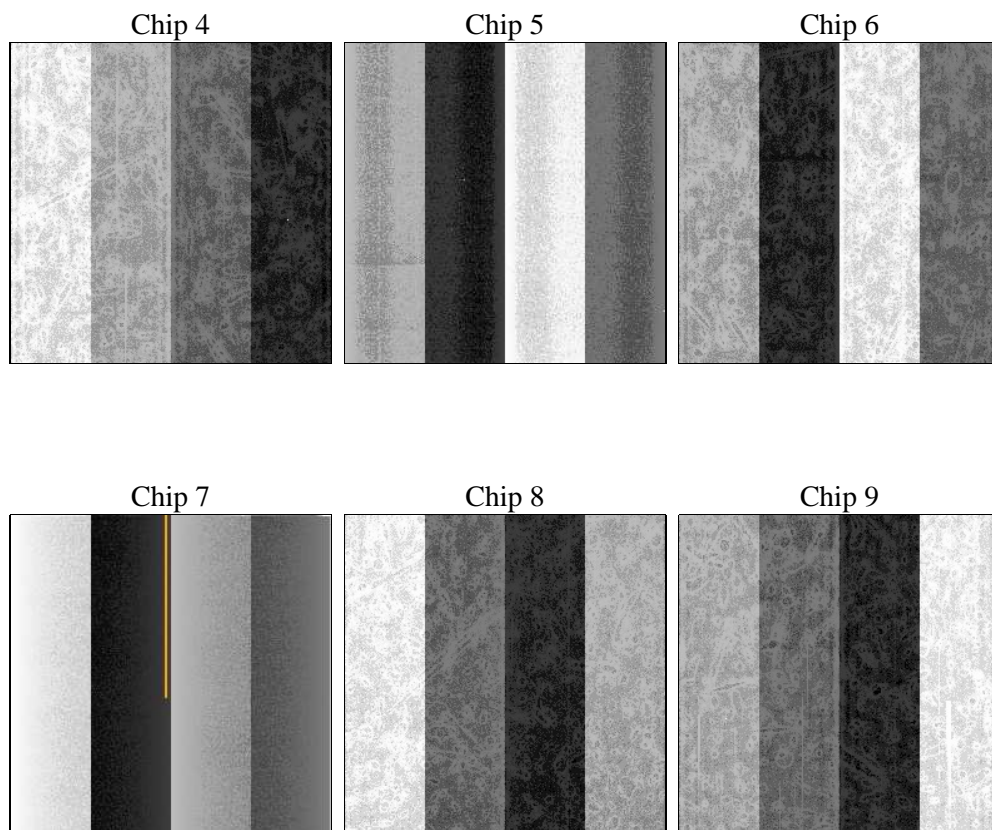
## 2 OBI

### 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	7719.5716421902	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime4	2741.9170751572	Sum of GTIs [s]
date	2012-10-16T22:14:16	Date and time of file creation	ontime5	7790.832088232	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3013.5724309385	Sum of GTIs [s]
			ontime7	7719.5716421902	Sum of GTIs [s]
			ontime8	3094.5155344605	Sum of GTIs [s]
			ontime9	2946.1018080115	Sum of GTIs [s]
			l1events	1434202	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	144346	379235	166785	410300	174208	159328	grade 0 events	71772	81887	79735	93826	82672	76215
rejected events	20847	49269	21259	39373	24106	21543		49%	21%	47%	22%	47%	47%
rejected %	14%	12%	12%	9%	13%	13%	grade 1 events	521	460	372	255	421	446
								0%	0%	0%	0%	0%	0%
							grade 2 events	19733	115313	24734	82266	25873	23454
								13%	30%	14%	20%	14%	14%
							grade 3 events	8149	21747	8924	37501	9635	8634
								5%	5%	5%	9%	5%	5%
							grade 4 events	8118	21423	9044	36941	9695	8854
								5%	5%	5%	9%	5%	5%
							grade 5 events	1337	8869	1551	7640	1776	1505
								0%	2%	0%	1%	1%	0%
							grade 6 events	15727	89596	23089	120393	22227	20628
								10%	23%	13%	29%	12%	12%
							grade 7 events	18989	39940	19336	31478	21909	19592
								13%	10%	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	53.39796001360286
[deg] Pointing Dec	0	-3.071489182743712
[deg] Pointing Roll	0.0	61.2550171642747
[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)	151689148.23881	151689147.21409
Observation start date	2002-10-22T15:52:28	2002-10-22T15:52:27
[s] Observation end time (MET)	151723508.290237	151723507.26552
Observation end date	2002-10-23T01:25:08	2002-10-23T01:25:07
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7195716421902

### A.2 Comments