

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60873 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 21 2012

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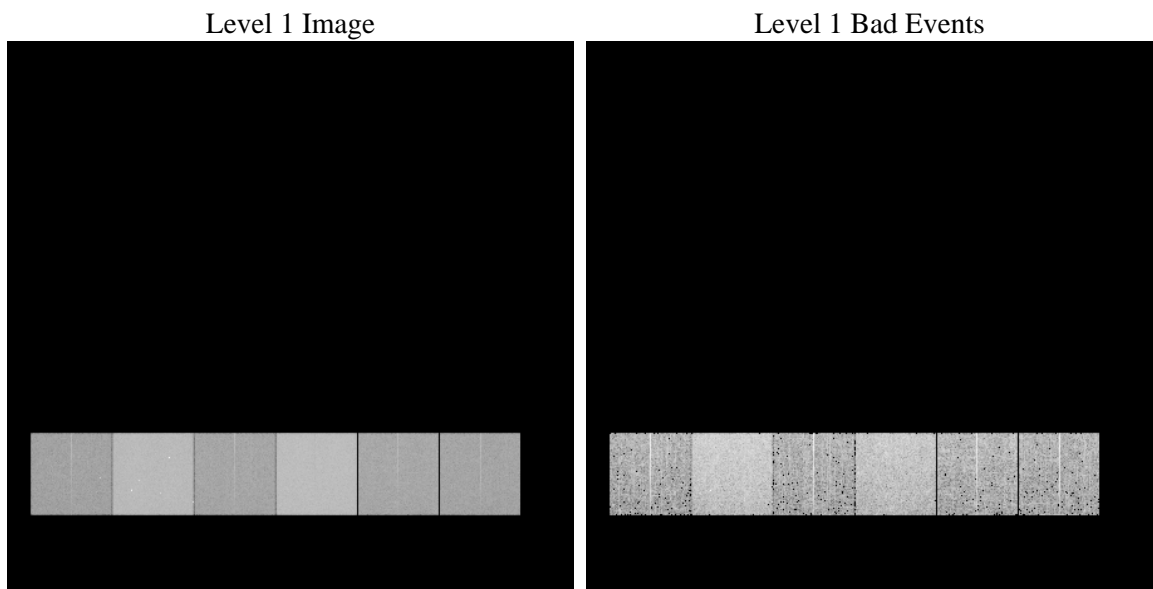
# 1 Front

seq_num	&#160	Sequence number
obs_id	60873	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	174.99730193562	Nominal RA [deg]
dec_nom	-3.9715252313578	Nominal Dec [deg]
roll_nom	62.477351226541	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8460.6866311431	Sum of GTIs [s]
livetime	8353.5523226057	Livetime [s]
ontime4	3434.0451388657	Sum of GTIs [s]
ontime5	8460.7276711464	Sum of GTIs [s]
ontime6	3719.212849617	Sum of GTIs [s]
ontime7	8460.6866311431	Sum of GTIs [s]
ontime8	3839.1619291902	Sum of GTIs [s]
ontime9	3612.1358778179	Sum of GTIs [s]
l2events	1282099	Number of level 2 events

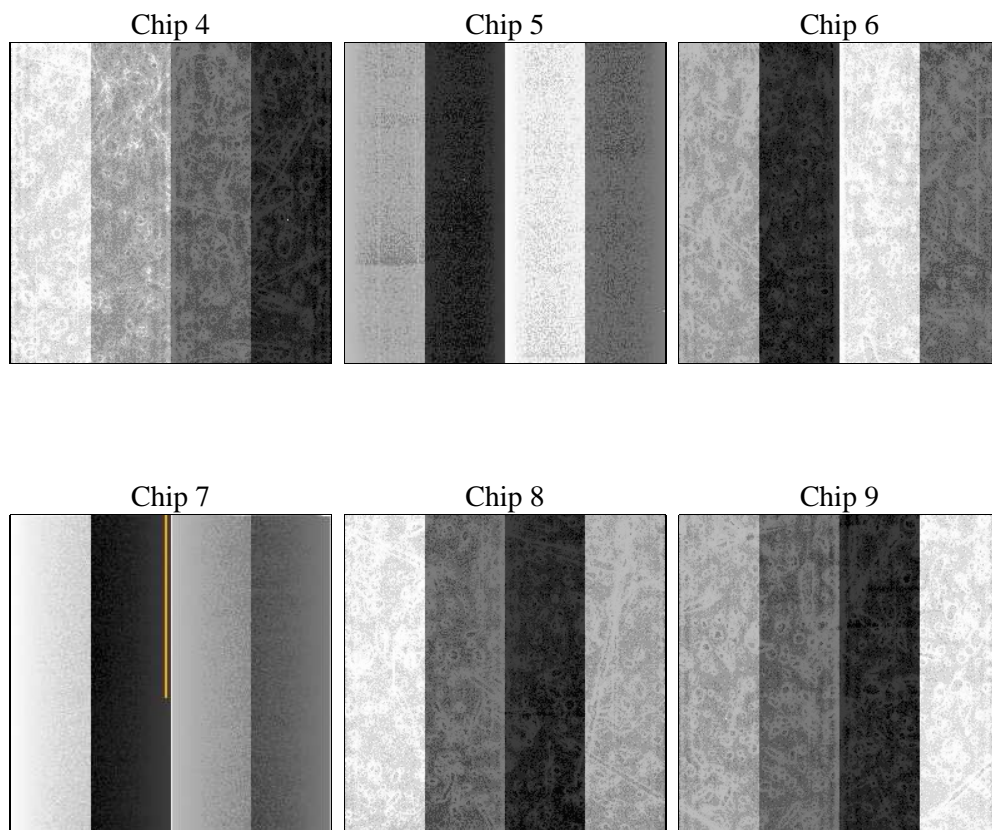
## 2 OBI

### 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	8460.6866311431	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	3434.0451388657	Sum of GTIs [s]
date	2012-10-21T08:15:18	Date and time of file creation	ontime5	8460.7276711464	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3719.212849617	Sum of GTIs [s]
			ontime7	8460.6866311431	Sum of GTIs [s]
			ontime8	3839.1619291902	Sum of GTIs [s]
			ontime9	3612.1358778179	Sum of GTIs [s]
			l1events	1544272	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	166253	385859	190356	420945	200737	180122	grade 0 events	82279	78834	90074	94552	95344	85493
rejected events	24763	54168	25413	44321	28292	25342		49%	20%	47%	22%	47%	47%
rejected %	14%	14%	13%	10%	14%	14%	grade 1 events	565	263	436	219	422	488
								0%	0%	0%	0%	0%	0%
							grade 2 events	22662	118570	28388	82825	30031	26570
								13%	30%	14%	19%	14%	14%
							grade 3 events	9385	20946	10207	38317	11035	9872
								5%	5%	5%	9%	5%	5%
							grade 4 events	9278	20725	10323	38036	10977	9860
								5%	5%	5%	9%	5%	5%
							grade 5 events	1668	9439	1835	8431	2194	1920
								1%	2%	0%	2%	1%	1%
							grade 6 events	17886	92616	25951	122894	25058	22985
								10%	24%	13%	29%	12%	12%
							grade 7 events	22530	44466	23142	35671	25676	22934
								13%	11%	12%	8%	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	174.9973019356202
[deg] Pointing Dec	0	-3.971525231357785
[deg] Pointing Roll	0.0	62.47735122654126
[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)	159726315.023982	159726313.99927
Observation start date	2003-01-23T16:25:15	2003-01-23T16:25:13
[s] Observation end time (MET)	159747624.774874	159747623.75016
Observation end date	2003-01-23T22:20:25	2003-01-23T22:20:23
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)	2012.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4606866311431

### A.2 Comments