

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57623 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 20 2012

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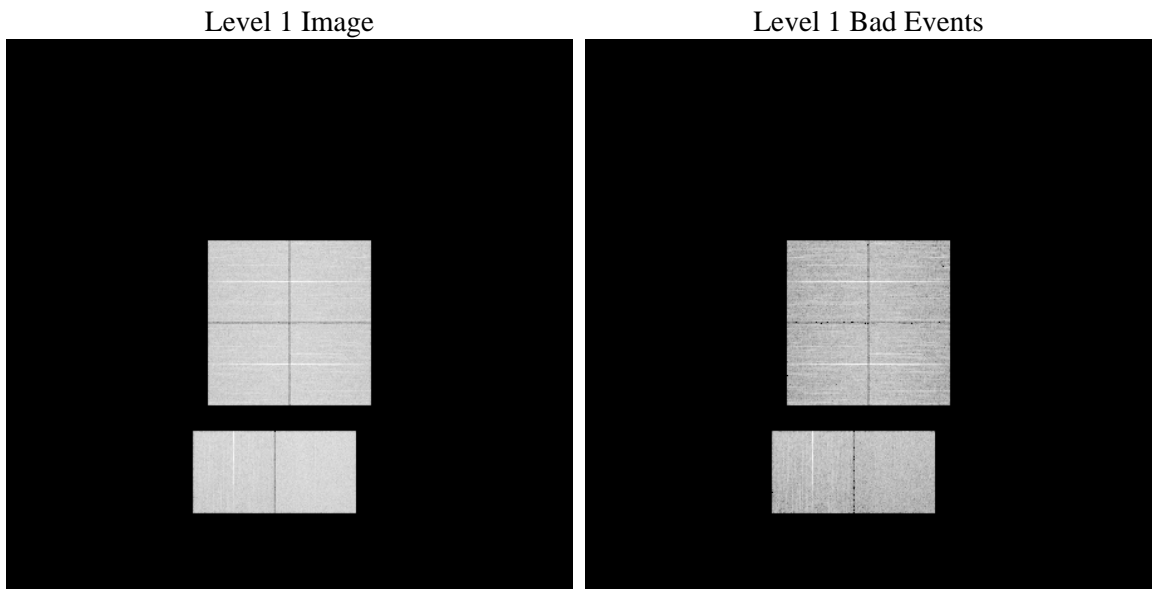
# 1 Front

seq_num	&#160	Sequence number
obs_id	57623	Observation id
title	ACIS-012367 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	356.97030310453	Nominal RA [deg]
dec_nom	14.999147413398	Nominal Dec [deg]
roll_nom	148.87666551085	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7513.5999720693	Sum of GTIs [s]
livetime	7418.4582450762	Livetime [s]
ontime0	7513.5999720693	Sum of GTIs [s]
ontime1	7513.5999720693	Sum of GTIs [s]
ontime2	7513.5999720693	Sum of GTIs [s]
ontime3	7513.5999720693	Sum of GTIs [s]
ontime6	7513.5999720693	Sum of GTIs [s]
ontime7	7513.5999720693	Sum of GTIs [s]
l2events	533353	Number of level 2 events

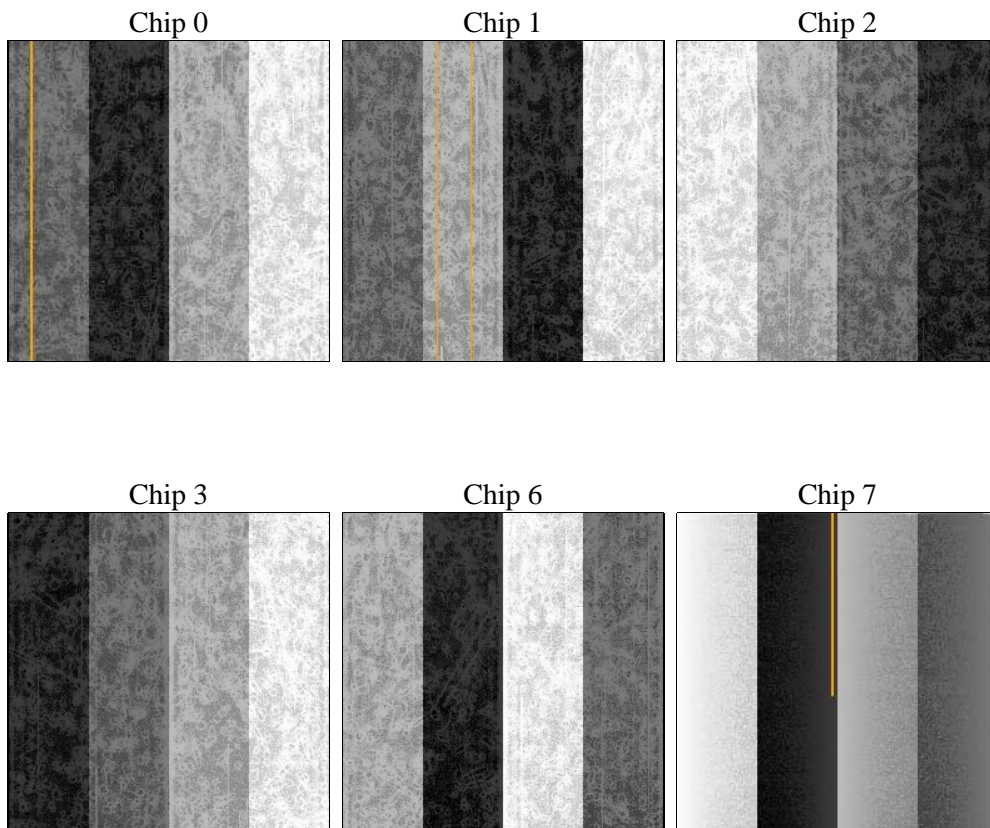
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6420	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7513.5999720693	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7513.5999720693	Sum of GTIs [s]
date	2012-05-21T00:05:19	Date and time of file creation	ontime1	7513.5999720693	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7513.5999720693	Sum of GTIs [s]
			ontime3	7513.5999720693	Sum of GTIs [s]
			ontime6	7513.5999720693	Sum of GTIs [s]
			ontime7	7513.5999720693	Sum of GTIs [s]
			l1events	992769	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	156330	158296	160676	163610	166280	187577	grade 0 events	49047	48169	49843	50250	49754	24946
rejected events	68556	70118	73414	75511	74776	67450		31%	30%	31%	30%	29%	13%
rejected %	43%	44%	45%	46%	44%	35%	grade 1 events	345	279	375	355	314	135
								0%	0%	0%	0%	0%	0%
							grade 2 events	16333	17123	15479	15408	17011	27313
								10%	10%	9%	9%	10%	14%
							grade 3 events	6072	5915	6146	6183	6073	11642
								3%	3%	3%	3%	3%	6%
							grade 4 events	5946	5860	6121	6247	6045	11431
								3%	3%	3%	3%	3%	6%
							grade 5 events	3690	3773	3519	4116	4073	10283
								2%	2%	2%	2%	2%	5%
							grade 6 events	13940	14670	13205	13524	16279	49497
								8%	9%	8%	8%	9%	26%
							grade 7 events	60957	62507	65988	67527	66731	52330
								38%	39%	41%	41%	40%	27%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	356.9703031045314	356.9703031045314
[deg] Pointing Dec	14.99914741339818	14.99914741339816
[deg] Pointing Roll	148.8766655108455	148.8766655108455
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	336977163.670741	336977163.670741
Observation start date	2008-09-05T05:09:00	2008-09-05T04:46:03
[s] Observation end time (MET)	336986681.314629	336986681.314629
Observation end date	2008-09-05T06:56:00	2008-09-05T07:24:41
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5135999720693

### A.2 Comments