

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61294 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Oct 3 2012

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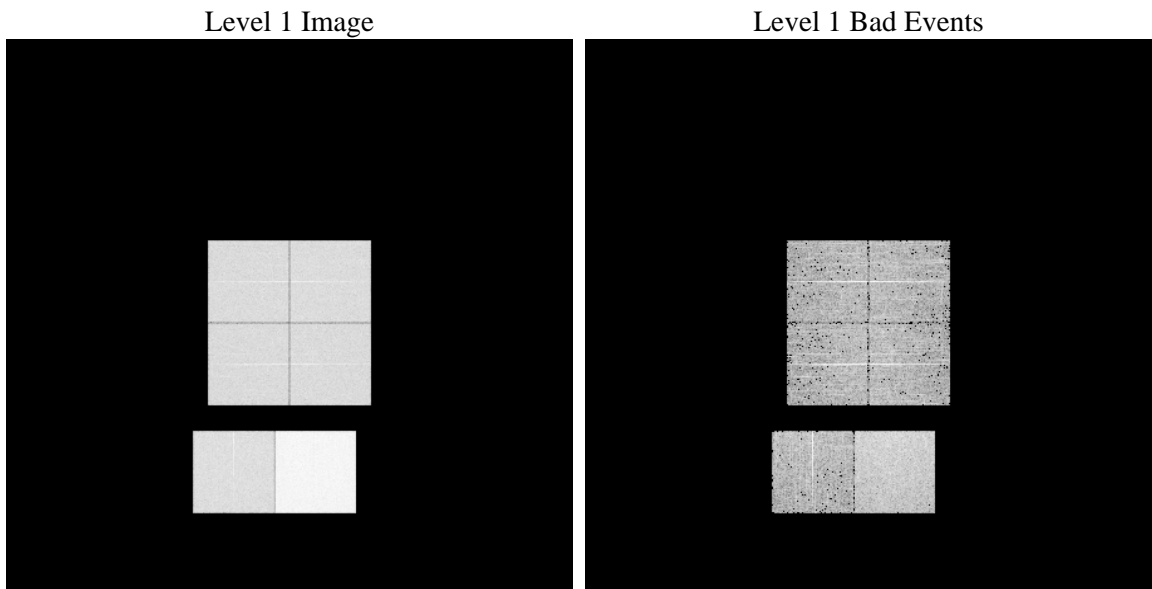
# 1 Front

seq_num	&#160	Sequence number
obs_id	61294	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	30.814177077948	Nominal RA [deg]
dec_nom	-38.383287722849	Nominal Dec [deg]
roll_nom	250.87911932744	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7740.8000071943	Sum of GTIs [s]
livetime	7642.781336553	Livetime [s]
ontime0	3110.0627423078	Sum of GTIs [s]
ontime1	3191.129483223	Sum of GTIs [s]
ontime2	3006.4318119437	Sum of GTIs [s]
ontime3	3018.6986908466	Sum of GTIs [s]
ontime6	3316.8727556765	Sum of GTIs [s]
ontime7	7740.8000071943	Sum of GTIs [s]
l2events	1217910	Number of level 2 events

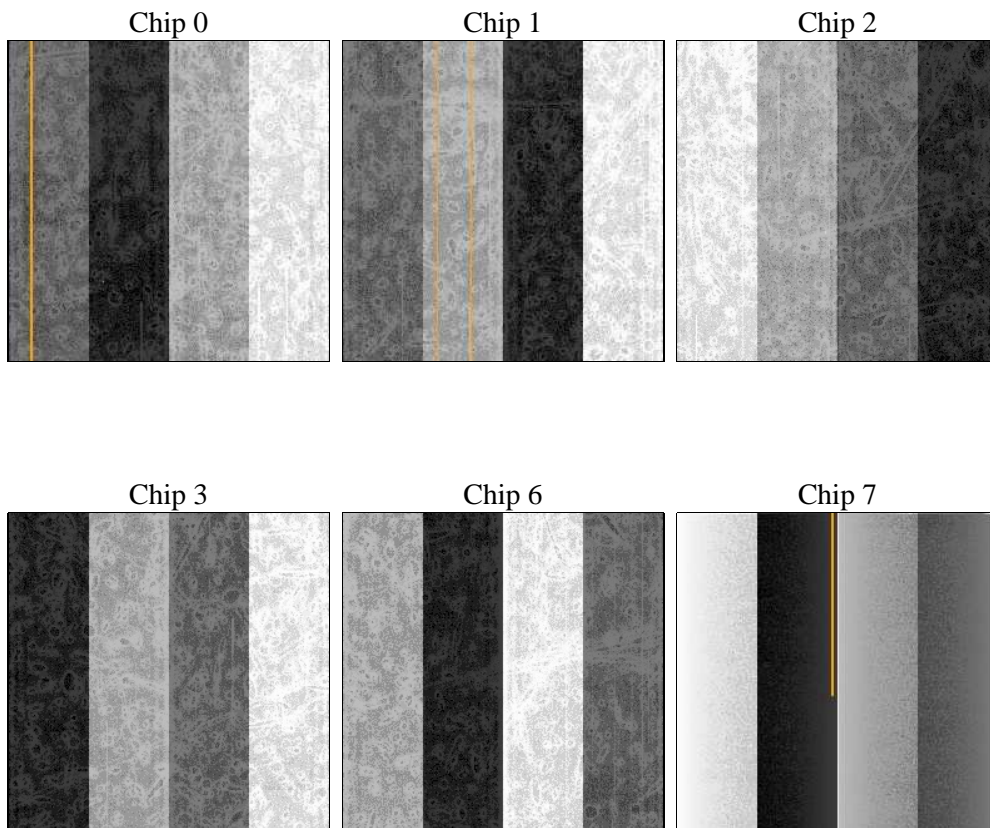
## 2 OBI

### 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	7740.8000071943	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	3110.0627423078	Sum of GTIs [s]
date	2012-10-03T04:14:28	Date and time of file creation	ontime1	3191.129483223	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	3006.4318119437	Sum of GTIs [s]
			ontime3	3018.6986908466	Sum of GTIs [s]
			ontime6	3316.8727556765	Sum of GTIs [s]
			ontime7	7740.8000071943	Sum of GTIs [s]
			l1events	1442329	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	189063	194021	185460	187212	210962	475611	grade 0 events	91365	93658	89684	90851	101186	109698
rejected events	24350	25118	25093	25764	26834	46118		48%	48%	48%	48%	47%	23%
rejected %	12%	12%	13%	13%	12%	9%	grade 1 events	502	460	437	438	516	290
								0%	0%	0%	0%	0%	0%
							grade 2 events	29262	30023	28521	28597	31982	95803
								15%	15%	15%	15%	15%	20%
							grade 3 events	10509	10699	10136	10305	11396	44012
								5%	5%	5%	5%	5%	9%
							grade 4 events	10338	10723	10034	10234	11291	43417
								5%	5%	5%	5%	5%	9%
							grade 5 events	1673	1644	1511	1644	1849	8741
								0%	0%	0%	0%	0%	1%
							grade 6 events	24414	24828	23270	22586	29588	139488
								12%	12%	12%	12%	14%	29%
							grade 7 events	21000	21986	21867	22557	23154	34162
								11%	11%	11%	12%	10%	7%

## 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	30.81417707801633	30.81417707794759
[deg] Pointing Dec	-38.38328772270862	-38.38328772284879
[deg] Pointing Roll	250.8791193275744	250.8791193274367
[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)	131127015.74	131127015.74
Observation start date	2002-02-26T17:07:00	2002-02-26T16:10:15
[s] Observation end time (MET)	131136352.949736	131136352.949736
Observation end date	2002-02-26T17:08:00	2002-02-26T18:45:52
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7408000071943

### **A.2 Comments**