

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60142 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 3 2012

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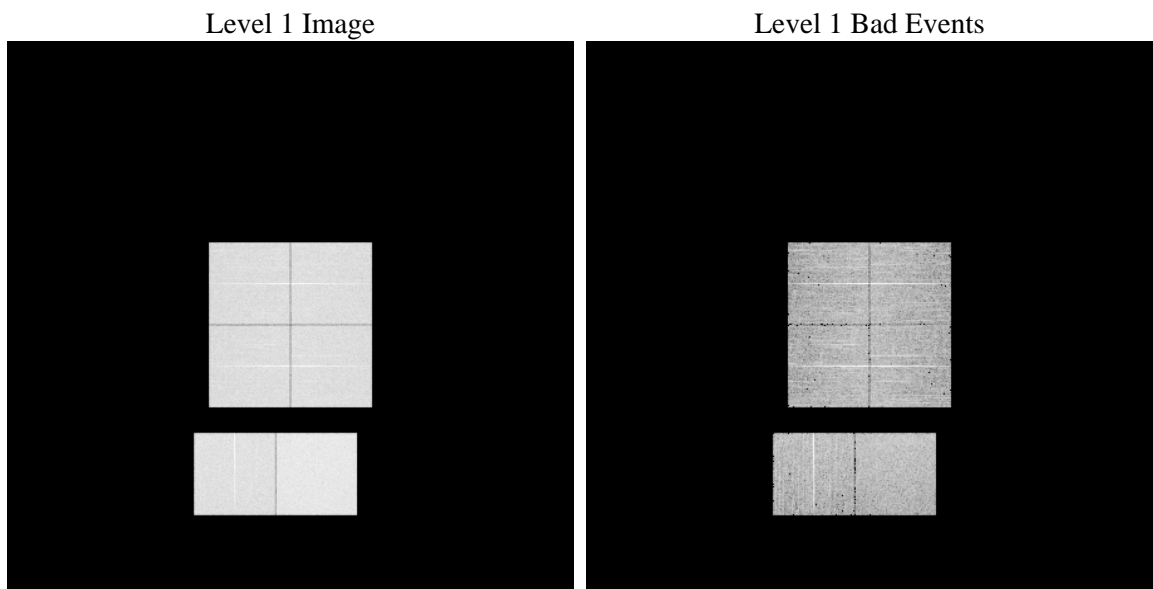
# 1 Front

seq_num	&#160	Sequence number
obs_id	60142	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	344.99234189359	Nominal RA [deg]
dec_nom	-23.981637979095	Nominal Dec [deg]
roll_nom	99.713855456416	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7801.5999709368	Sum of GTIs [s]
livetime	7702.8114145452	Livetime [s]
ontime0	5801.9210253656	Sum of GTIs [s]
ontime1	5970.4517394304	Sum of GTIs [s]
ontime2	5700.3343689144	Sum of GTIs [s]
ontime3	5912.1135365069	Sum of GTIs [s]
ontime6	6232.9697147608	Sum of GTIs [s]
ontime7	7801.5999709368	Sum of GTIs [s]
l2events	1086984	Number of level 2 events

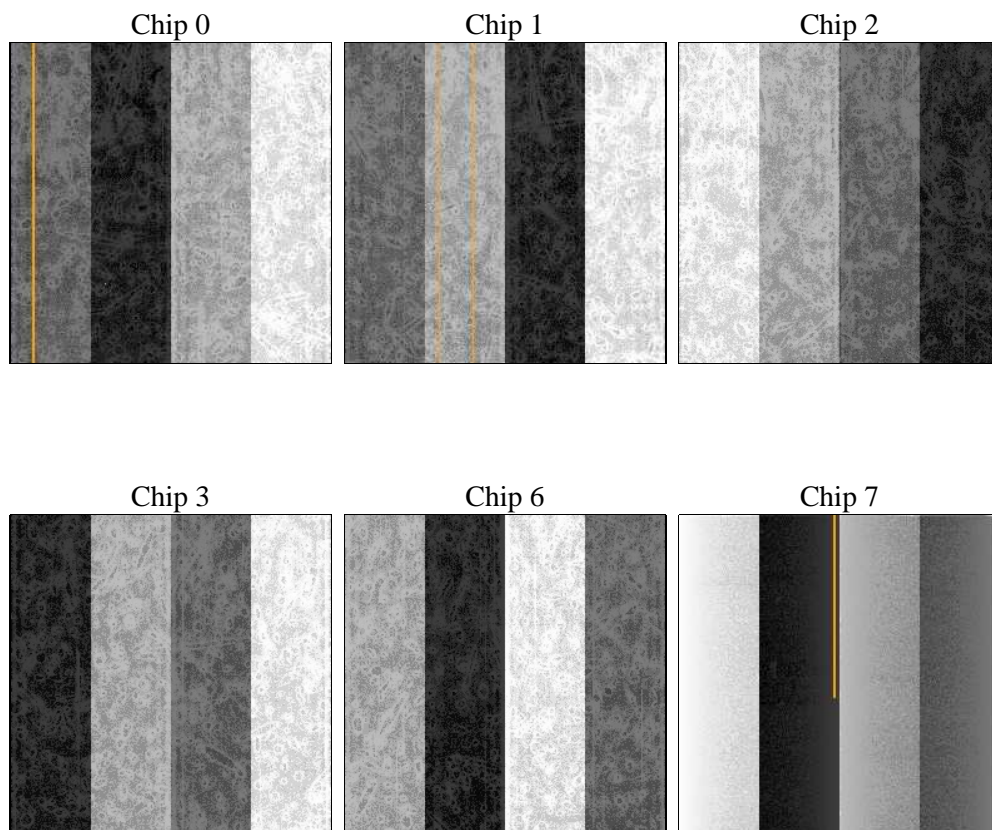
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7801.5999709368	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	5801.9210253656	Sum of GTIs [s]
date	2012-12-03T22:11:18	Date and time of file creation	ontime1	5970.4517394304	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5700.3343689144	Sum of GTIs [s]
			ontime3	5912.1135365069	Sum of GTIs [s]
			ontime6	6232.9697147608	Sum of GTIs [s]
			ontime7	7801.5999709368	Sum of GTIs [s]
			l1events	1414199	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	212236	219013	215060	221644	241650	304596	grade 0 events	93238	96061	94712	98918	105361	61927
rejected events	42493	43029	45737	45205	48100	49374		43%	43%	44%	44%	43%	20%
rejected %	20%	19%	21%	20%	19%	16%	grade 1 events	559	535	606	620	572	206
								0%	0%	0%	0%	0%	0%
							grade 2 events	29618	31160	28647	30444	33544	55826
								13%	14%	13%	13%	13%	18%
							grade 3 events	11128	11277	11183	11377	12130	25557
								5%	5%	5%	5%	5%	8%
							grade 4 events	10897	11383	11035	11481	11945	25417
								5%	5%	5%	5%	4%	8%
							grade 5 events	2680	2818	2509	2918	3088	8840
								1%	1%	1%	1%	1%	2%
							grade 6 events	24957	26193	23746	24309	30664	86590
								11%	11%	11%	10%	12%	28%
							grade 7 events	39159	39586	42622	41577	44346	40233
								18%	18%	19%	18%	18%	13%

## 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	0	344.9923418935862
[deg] Pointing Dec	0	-23.9816379790945
[deg] Pointing Roll	0.0	99.71385545641611
[mm] SIM focus pos	-0.782348	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	205838664.412418	205838663.38742
Observation start date	2004-07-10T09:24:24	2004-07-10T09:24:23
[s] Observation end time (MET)	205854254.663109	205854253.63811
Observation end date	2004-07-10T13:44:15	2004-07-10T13:44:13
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8015999709368

### A.2 Comments