

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61467 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 24 2012

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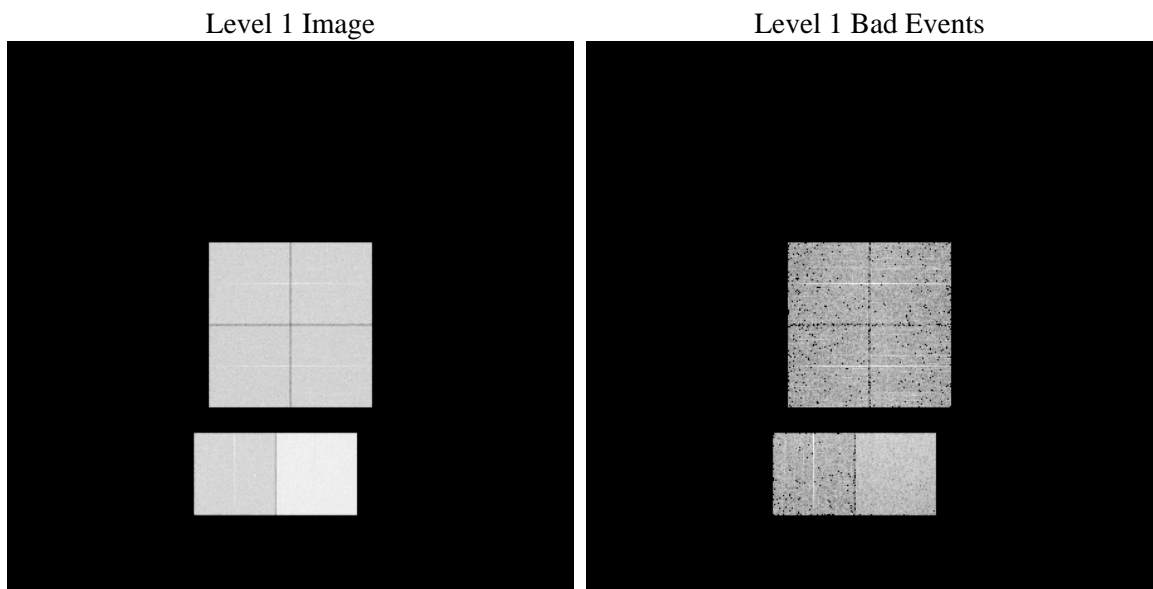
# 1 Front

seq_num	&#160	Sequence number
obs_id	61467	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	137.00174193697	Nominal RA [deg]
dec_nom	40.02864356088	Nominal Dec [deg]
roll_nom	54.68886421706	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7805.221078679	Sum of GTIs [s]
livetime	7706.3866696408	Livetime [s]
ontime0	3050.7120323032	Sum of GTIs [s]
ontime1	3085.4662237465	Sum of GTIs [s]
ontime2	2842.3888821453	Sum of GTIs [s]
ontime3	2949.2532513887	Sum of GTIs [s]
ontime6	3250.7586351633	Sum of GTIs [s]
ontime7	7805.221078679	Sum of GTIs [s]
l2events	1329319	Number of level 2 events

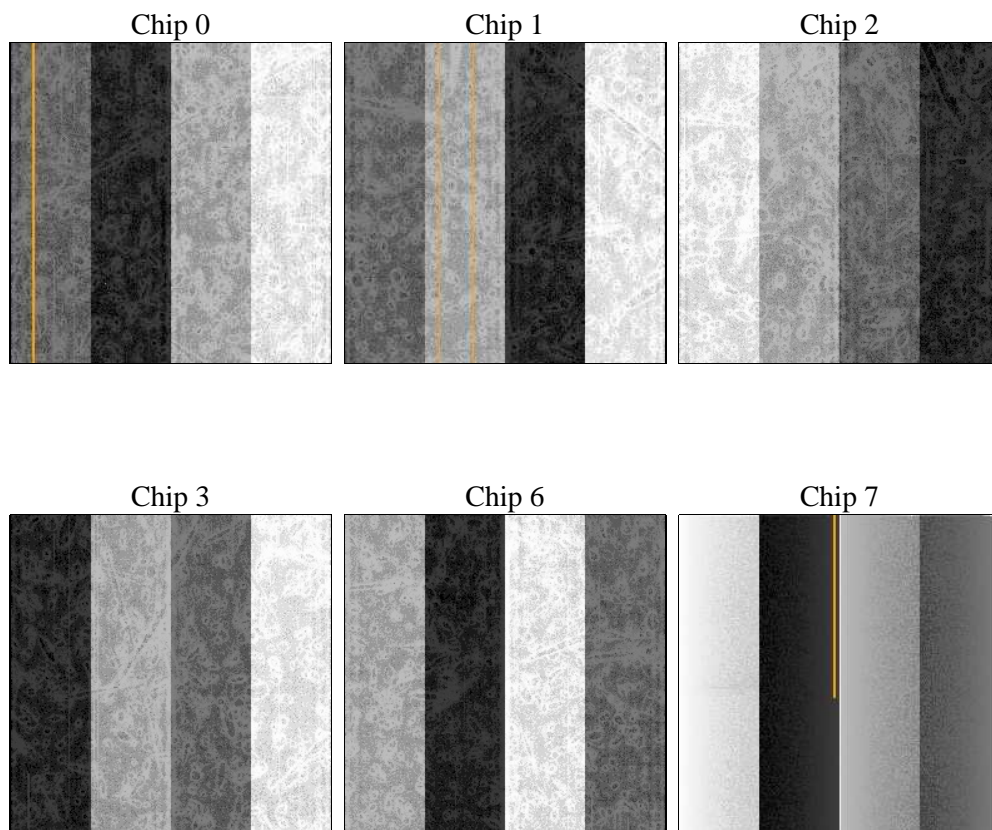
## 2 OBI

### 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	7805.221078679	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime0	3050.7120323032	Sum of GTIs [s]
date	2012-09-24T11:51:53	Date and time of file creation	ontime1	3085.4662237465	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2842.3888821453	Sum of GTIs [s]
			ontime3	2949.2532513887	Sum of GTIs [s]
			ontime6	3250.7586351633	Sum of GTIs [s]
			ontime7	7805.221078679	Sum of GTIs [s]
			l1events	1542612	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	202102	204240	190577	198998	225564	521131	grade 0 events	99039	100237	93357	97995	109610	120767
rejected events	22471	22907	22052	23824	24643	42117		49%	49%	48%	49%	48%	23%
rejected %	11%	11%	11%	11%	10%	8%	grade 1 events	534	539	471	542	498	315
								0%	0%	0%	0%	0%	0%
							grade 2 events	31867	31948	29770	30655	34393	105639
								15%	15%	15%	15%	15%	20%
							grade 3 events	11412	11358	10685	10919	12450	48517
								5%	5%	5%	5%	5%	9%
							grade 4 events	11236	11440	10430	11120	12314	47881
								5%	5%	5%	5%	5%	9%
							grade 5 events	1641	1707	1492	1635	1858	8751
								0%	0%	0%	0%	0%	1%
							grade 6 events	26275	26350	24283	24485	32154	156405
								13%	12%	12%	12%	14%	30%
							grade 7 events	20098	20661	20089	21647	22287	32856
								9%	10%	10%	10%	9%	6%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	137.0017419369685	Alternating exposures requested	N	N
[deg] Pointing Dec	0	40.02864356087998	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	54.68886421705986			
[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)	117463882.043	117463881.27478			
Observation start date	2001-09-21T12:51:22	2001-09-21T12:51:21			
[s] Observation end time (MET)	117475052.494	117475051.72523			
Observation end date	2001-09-21T15:57:32	2001-09-21T15:57:31			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.805221078679

### A.2 Comments