

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60590 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 3 2012

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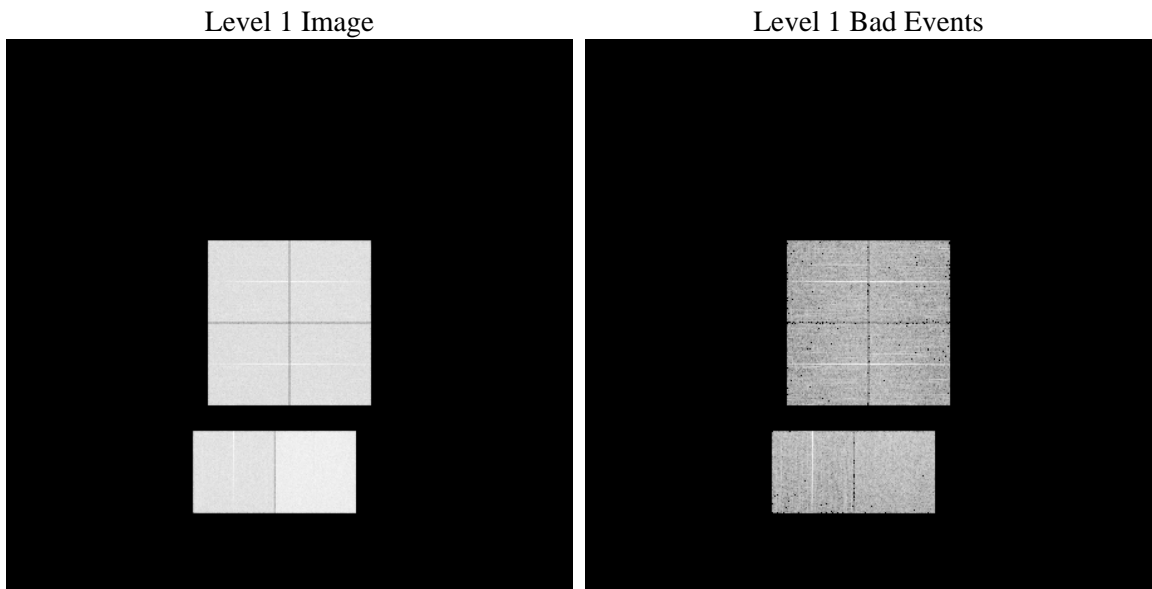
# 1 Front

seq_num	&#160	Sequence number
obs_id	60590	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	343.17083869587	Nominal RA [deg]
dec_nom	12.202713388467	Nominal Dec [deg]
roll_nom	141.65939544125	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8460.1220882237	Sum of GTIs [s]
livetime	8352.9949282687	Livetime [s]
ontime0	5170.491271764	Sum of GTIs [s]
ontime1	5413.5243589282	Sum of GTIs [s]
ontime2	5018.0828115046	Sum of GTIs [s]
ontime3	5073.343506515	Sum of GTIs [s]
ontime6	5568.0740919411	Sum of GTIs [s]
ontime7	8460.1220882237	Sum of GTIs [s]
l2events	1255661	Number of level 2 events

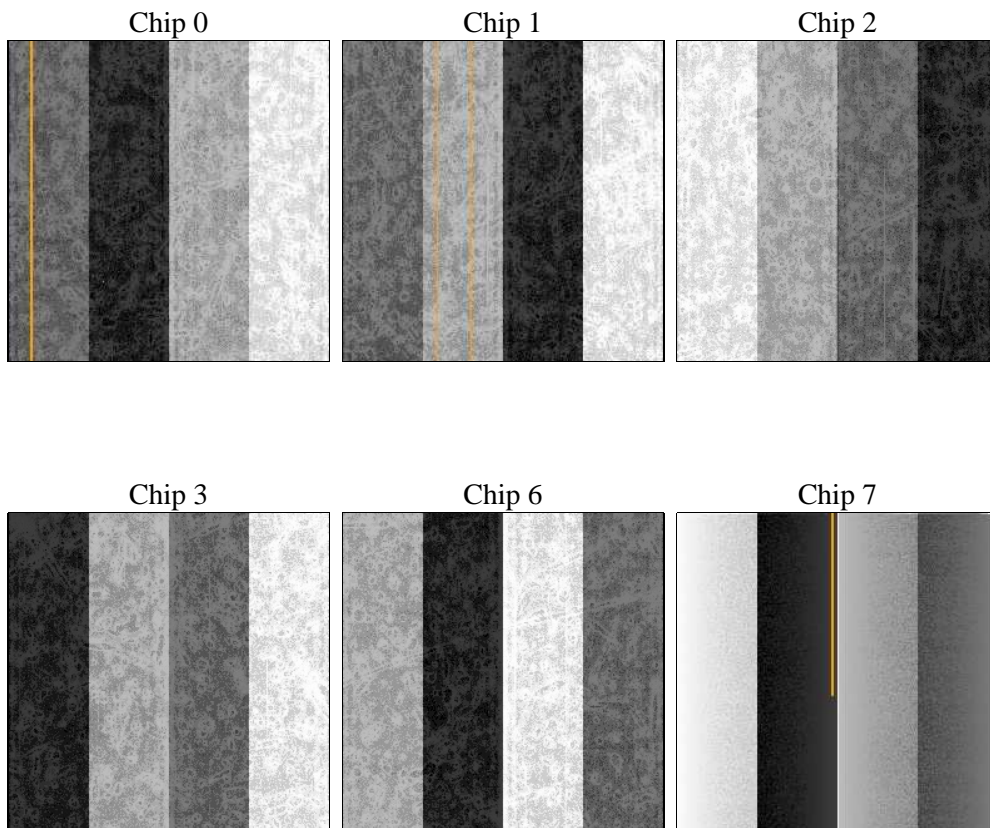
## 2 OBI

### 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	8460.1220882237	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	5170.491271764	Sum of GTIs [s]
date	2012-11-03T14:51:24	Date and time of file creation	ontime1	5413.5243589282	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5018.0828115046	Sum of GTIs [s]
			ontime3	5073.343506515	Sum of GTIs [s]
			ontime6	5568.0740919411	Sum of GTIs [s]
			ontime7	8460.1220882237	Sum of GTIs [s]
			l1events	1538733	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	225511	235270	221502	225584	253346	377520	grade 0 events	106325	109538	106716	107865	115247	80940
rejected events	34259	34569	34204	35540	39551	45773		47%	46%	48%	47%	45%	21%
rejected %	15%	14%	15%	15%	15%	12%	grade 1 events	574	492	628	647	544	222
								0%	0%	0%	0%	0%	0%
							grade 2 events	32843	36436	29910	31289	37850	73067
								14%	15%	13%	13%	14%	19%
							grade 3 events	12245	12458	12231	12490	12944	32817
								5%	5%	5%	5%	5%	8%
							grade 4 events	12224	12522	12156	12262	12849	32867
								5%	5%	5%	5%	5%	8%
							grade 5 events	2280	2287	2141	2335	2606	8392
								1%	0%	0%	1%	1%	2%
							grade 6 events	27746	29869	26402	26254	34905	112170
								12%	12%	11%	11%	13%	29%
							grade 7 events	31274	31668	31318	32442	36401	37045
								13%	13%	14%	14%	14%	9%

## 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	343.1708386958713	Alternating exposures requested	N	N
[deg] Pointing Dec	0	12.20271338846682	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	141.6593954412468			
[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)	177085566.108512	177085565.08379			
Observation start date	2003-08-12T14:26:06	2003-08-12T14:26:05			
[s] Observation end time (MET)	177107730.70946	177107729.68474			
Observation end date	2003-08-12T20:35:31	2003-08-12T20:35:29			
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)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4601220882237

### **A.2 Comments**