

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61887 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 2 2012

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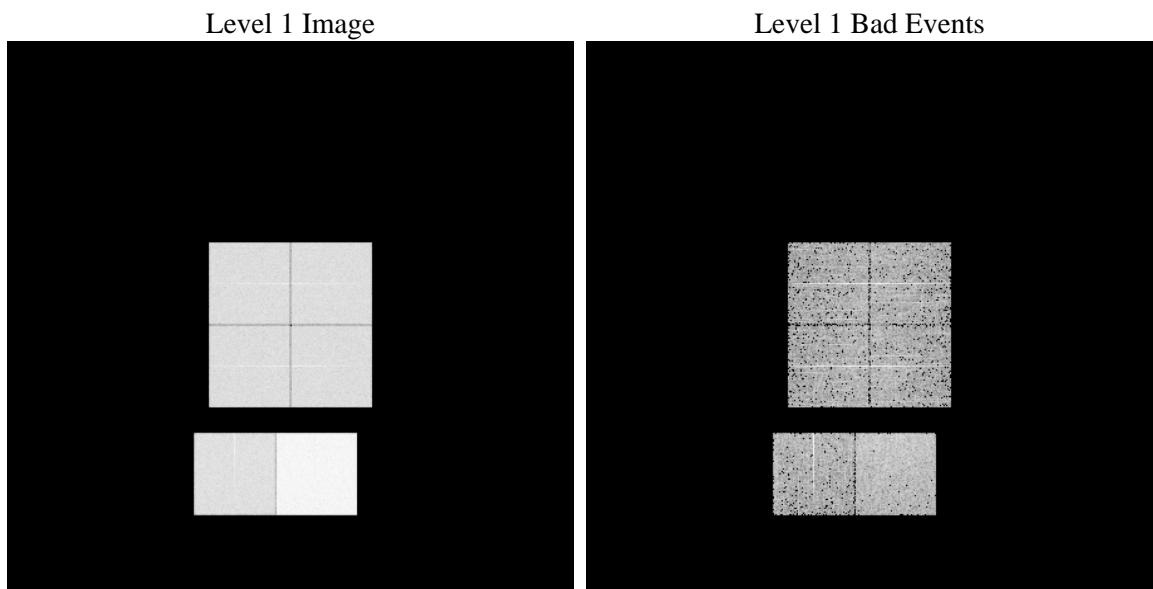
# 1 Front

seq_num	&#160	Sequence number
obs_id	61887	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	26.795497269964	Nominal RA [deg]
dec_nom	18.127910042527	Nominal Dec [deg]
roll_nom	138.9294258058	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5469.1588286906	Sum of GTIs [s]
livetime	5399.9050464697	Livetime [s]
ontime0	2301.1368491799	Sum of GTIs [s]
ontime1	2328.5477564186	Sum of GTIs [s]
ontime2	2246.0391194969	Sum of GTIs [s]
ontime3	2257.3680862784	Sum of GTIs [s]
ontime6	2441.9017272741	Sum of GTIs [s]
ontime7	5469.1588286906	Sum of GTIs [s]
l2events	1254428	Number of level 2 events

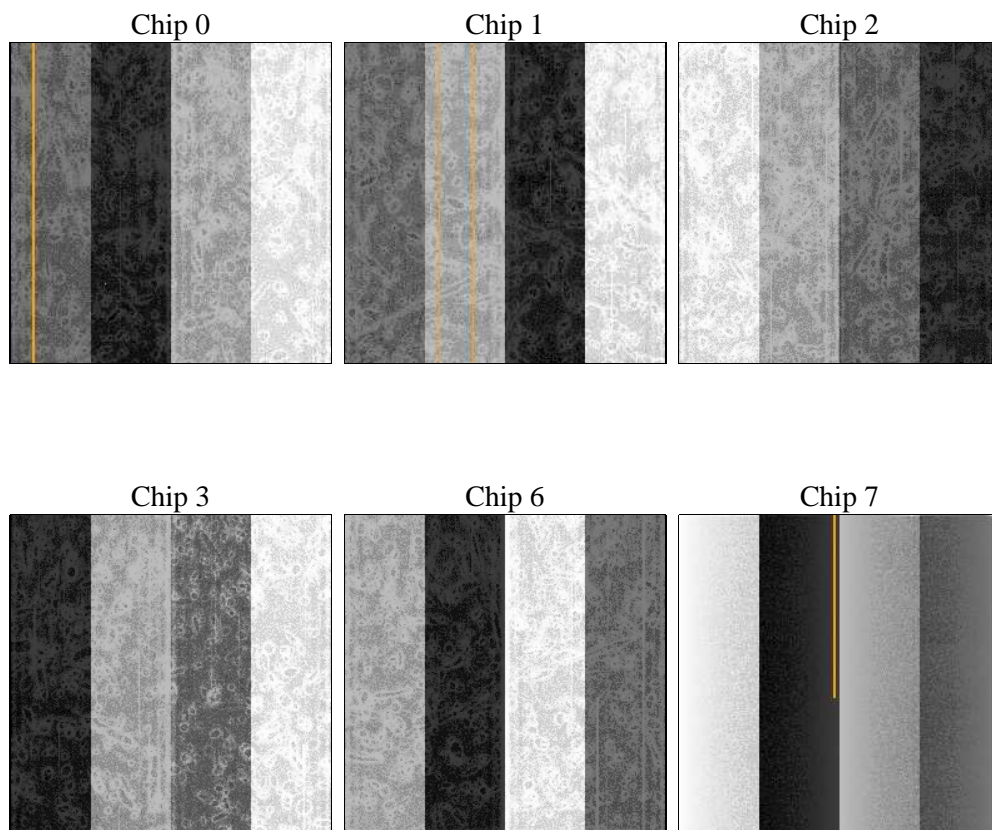
## 2 OBI

### 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	5469.1588286906	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime0	2301.1368491799	Sum of GTIs [s]
date	2012-09-02T10:46:33	Date and time of file creation	ontime1	2328.5477564186	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2246.0391194969	Sum of GTIs [s]
			ontime3	2257.3680862784	Sum of GTIs [s]
			ontime6	2441.9017272741	Sum of GTIs [s]
			ontime7	5469.1588286906	Sum of GTIs [s]
			l1events	1429343	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	190879	193831	190501	190519	212453	451160	grade 0 events	95549	96942	95477	96366	105377	109012
rejected events	18091	18754	19161	18901	19720	28222		50%	50%	50%	50%	49%	24%
rejected %	9%	9%	10%	9%	9%	6%	grade 1 events	497	510	555	534	563	306
								0%	0%	0%	0%	0%	0%
							grade 2 events	30478	30739	30089	30149	33509	93871
								15%	15%	15%	15%	15%	20%
							grade 3 events	10997	11191	10718	11022	11912	43225
								5%	5%	5%	5%	5%	9%
							grade 4 events	10808	11013	10868	10666	11937	43218
								5%	5%	5%	5%	5%	9%
							grade 5 events	1399	1440	1341	1401	1600	6243
								0%	0%	0%	0%	0%	1%
							grade 6 events	24956	25429	24188	23701	30248	133851
								13%	13%	12%	12%	14%	29%
							grade 7 events	16195	16567	17265	16680	17307	21434
								8%	8%	9%	8%	8%	4%

## 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	26.79549726996403	Alternating exposures requested	N	N
[deg] Pointing Dec	0	18.12791004252738	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	138.9294258057953			
[mm] SIM focus pos	-0.782348	-1.038866356238299			
[mm] SIM defocus	0	0.4944702831659975			
[mm] SIM translation stage pos	-233.592463	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	87716792.14171501	87716791.37323201			
Observation start date	2000-10-12T05:46:32	2000-10-12T05:46:31			
[s] Observation end time (MET)	87760403.843365	87760403.07487801			
Observation end date	2000-10-12T17:53:24	2000-10-12T17:53:23			
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)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.4691588286906

### **A.2 Comments**