

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57452 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 26 2012

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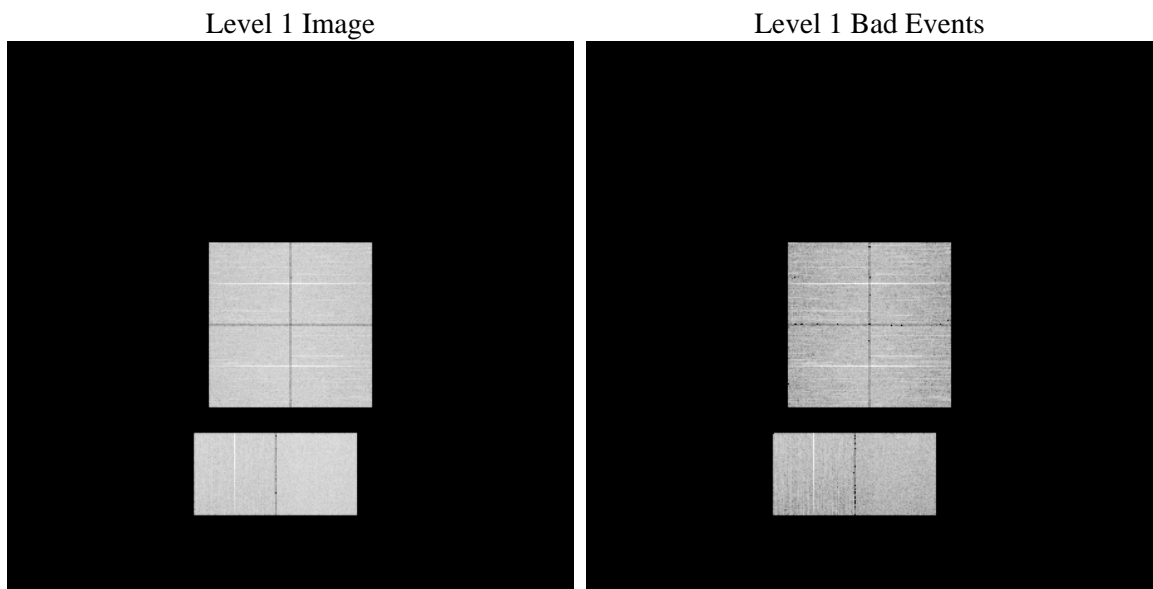
# 1 Front

seq_num	&#160	Sequence number
obs_id	57452	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	90.224203714236	Nominal RA [deg]
dec_nom	0.020281767658326	Nominal Dec [deg]
roll_nom	22.5176634962	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7545.5999719501	Sum of GTIs [s]
livetime	7450.0530416904	Livetime [s]
ontime0	7545.5999719501	Sum of GTIs [s]
ontime1	7545.5999719501	Sum of GTIs [s]
ontime2	7545.5999719501	Sum of GTIs [s]
ontime3	7545.5999719501	Sum of GTIs [s]
ontime6	7545.5999719501	Sum of GTIs [s]
ontime7	7545.5999719501	Sum of GTIs [s]
l2events	484582	Number of level 2 events

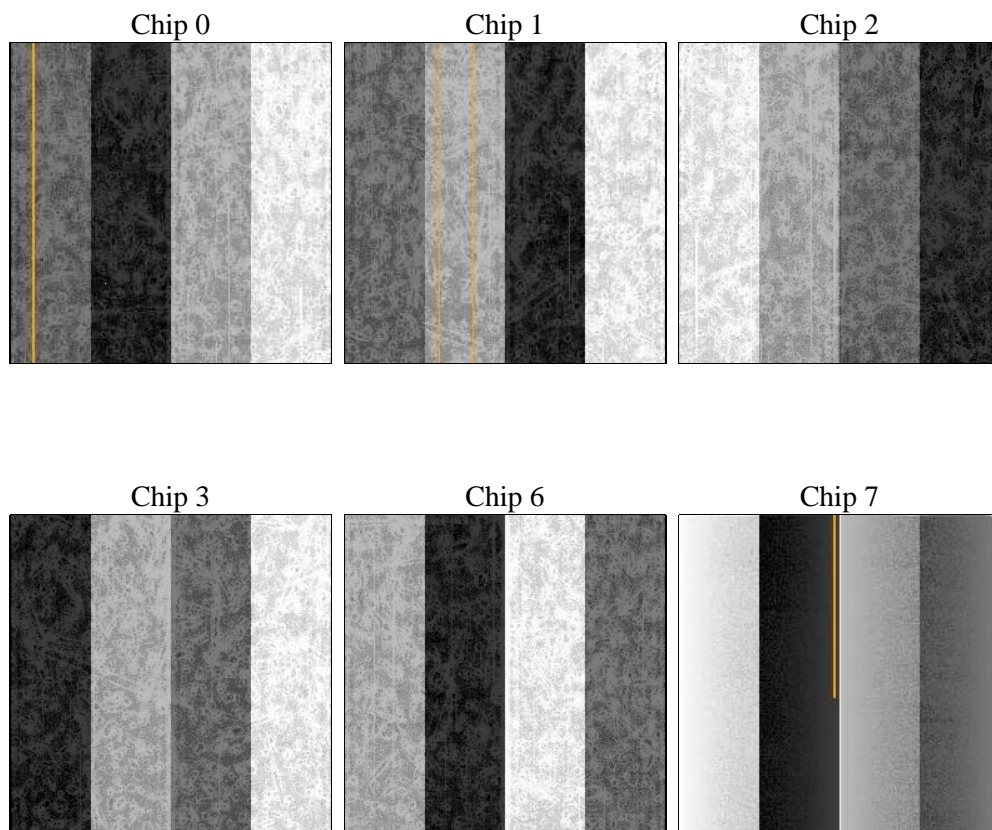
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	7545.5999719501	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7545.5999719501	Sum of GTIs [s]
date	2012-05-26T05:21:13	Date and time of file creation	ontime1	7545.5999719501	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7545.5999719501	Sum of GTIs [s]
			ontime3	7545.5999719501	Sum of GTIs [s]
			ontime6	7545.5999719501	Sum of GTIs [s]
			ontime7	7545.5999719501	Sum of GTIs [s]
			l1events	911763	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	143917	143971	147253	149388	150841	176393	grade 0 events	42536	42545	43839	43777	43858	22164
rejected events	65369	64065	67945	69897	68885	63610		29%	29%	29%	29%	29%	12%
rejected %	45%	44%	46%	46%	45%	36%	grade 1 events	328	261	352	373	276	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	14235	15083	13928	13990	14613	24650
								9%	10%	9%	9%	9%	13%
							grade 3 events	5259	5265	5433	5438	5414	10743
								3%	3%	3%	3%	3%	6%
							grade 4 events	5378	5377	5390	5397	5396	10596
								3%	3%	3%	3%	3%	6%
							grade 5 events	3686	3787	3525	4048	3985	10272
								2%	2%	2%	2%	2%	5%
							grade 6 events	11993	12573	11567	11781	13514	45881
								8%	8%	7%	7%	8%	26%
							grade 7 events	60502	59080	63219	64584	63785	51961
								42%	41%	42%	43%	42%	29%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	90.22420371423604	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	0.02028176765832556	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	22.5176634962004	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	345479217.239807	345479216.21481			
Observation start date	2008-12-12T14:26:57	2008-12-12T14:26:56			
[s] Observation end time (MET)	345489567.690319	345489566.66532			
Observation end date	2008-12-12T17:19:28	2008-12-12T17:19:26			
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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5455999719501

### **A.2 Comments**