

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58167 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 2 2012

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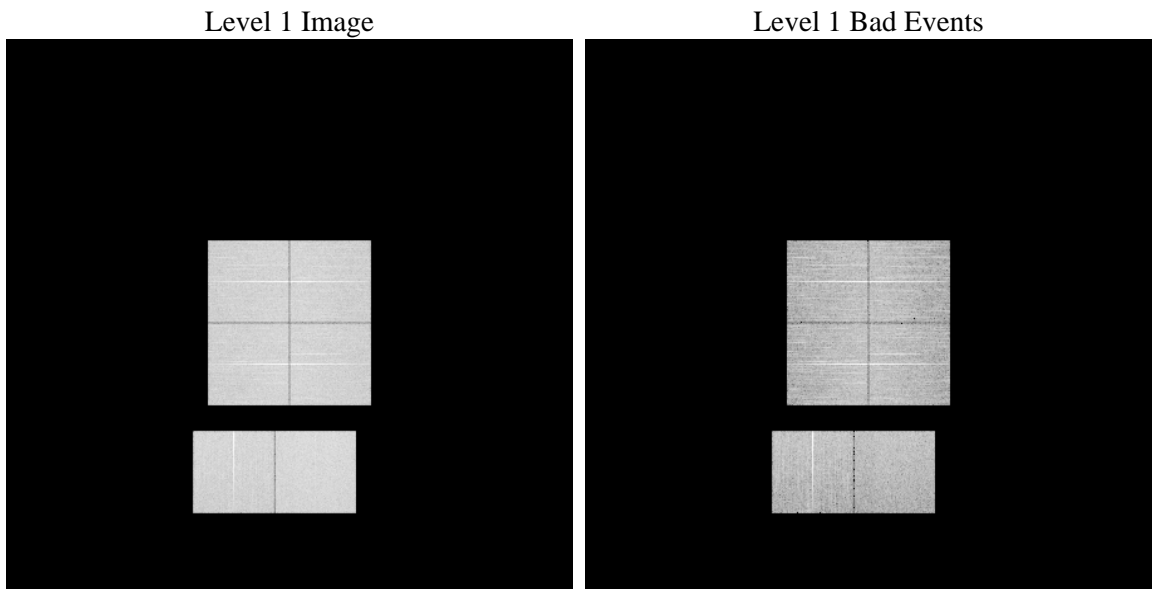
# 1 Front

seq_num	&#160	Sequence number
obs_id	58167	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	23.966224655252	Nominal RA [deg]
dec_nom	37.98919246908	Nominal Dec [deg]
roll_nom	169.2103800994	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8274.2063940167	Sum of GTIs [s]
livetime	8169.4334105268	Livetime [s]
ontime0	8274.1653540134	Sum of GTIs [s]
ontime1	8270.8833236694	Sum of GTIs [s]
ontime2	8274.0832740068	Sum of GTIs [s]
ontime3	8274.24743402	Sum of GTIs [s]
ontime6	8274.0422340035	Sum of GTIs [s]
ontime7	8274.2063940167	Sum of GTIs [s]
l2events	676365	Number of level 2 events

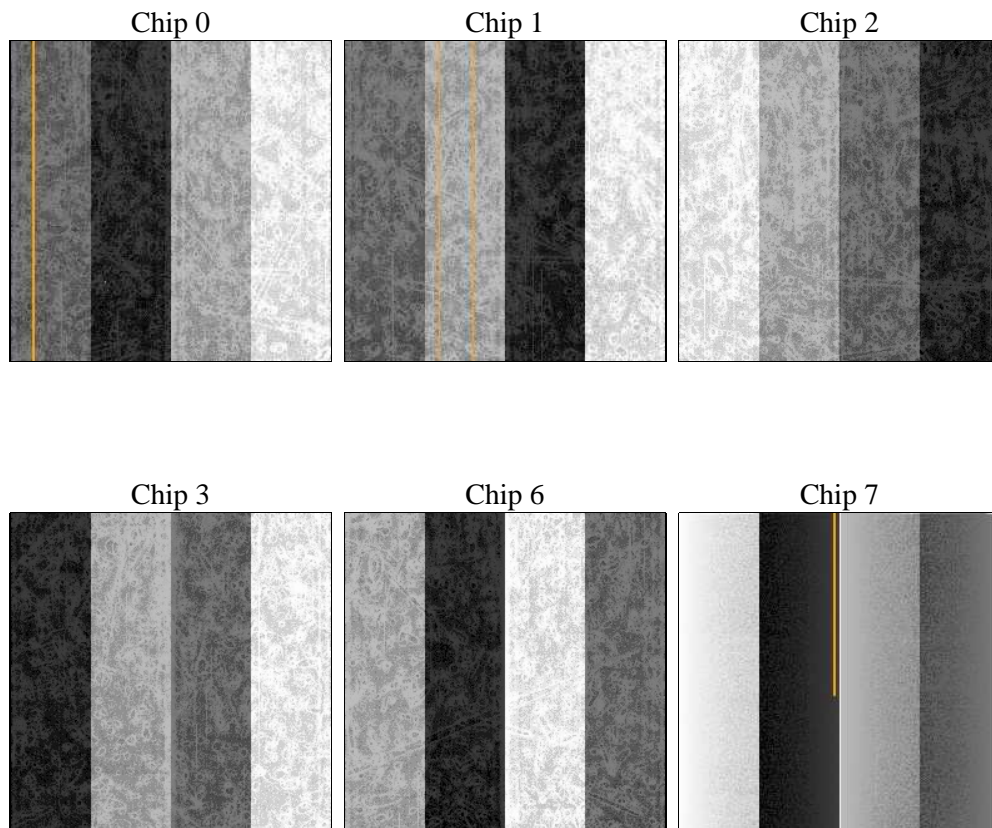
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8274.2063940167	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	8274.1653540134	Sum of GTIs [s]
date	2012-05-02T22:05:34	Date and time of file creation	ontime1	8270.8833236694	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8274.0832740068	Sum of GTIs [s]
			ontime3	8274.24743402	Sum of GTIs [s]
			ontime6	8274.0422340035	Sum of GTIs [s]
			ontime7	8274.2063940167	Sum of GTIs [s]
			l1events	1147134	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	184118	183113	188496	187154	191216	213037	grade 0 events	60515	59941	62144	62388	62027	30364
rejected events	72018	70853	76026	74375	74682	65916		32%	32%	32%	33%	32%	14%
rejected %	39%	38%	40%	39%	39%	30%	grade 1 events	442	418	506	508	388	168
								0%	0%	0%	0%	0%	0%
							grade 2 events	19941	20713	19086	19323	20563	31789
								10%	11%	10%	10%	10%	14%
							grade 3 events	7469	7155	7607	7513	7397	14166
								4%	3%	4%	4%	3%	6%
							grade 4 events	7488	7290	7478	7553	7401	14004
								4%	3%	3%	4%	3%	6%
							grade 5 events	3930	4030	3554	4297	4285	10843
								2%	2%	1%	2%	2%	5%
							grade 6 events	16687	17161	16155	16002	19146	56798
								9%	9%	8%	8%	10%	26%
							grade 7 events	67646	66405	71966	69570	70009	54905
								36%	36%	38%	37%	36%	25%

## 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	23.9662246552521	Alternating exposures requested	N	N
[deg] Pointing Dec	0	37.98919246908017	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	169.2103800993983			
[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)	308688161.384744	308688160.35976			
Observation start date	2007-10-13T18:42:41	2007-10-13T18:42:40			
[s] Observation end time (MET)	308709471.13577	308709470.11078			
Observation end date	2007-10-14T00:37:51	2007-10-14T00:37:50			
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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2742063940167

### A.2 Comments