

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56393 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 22 2012

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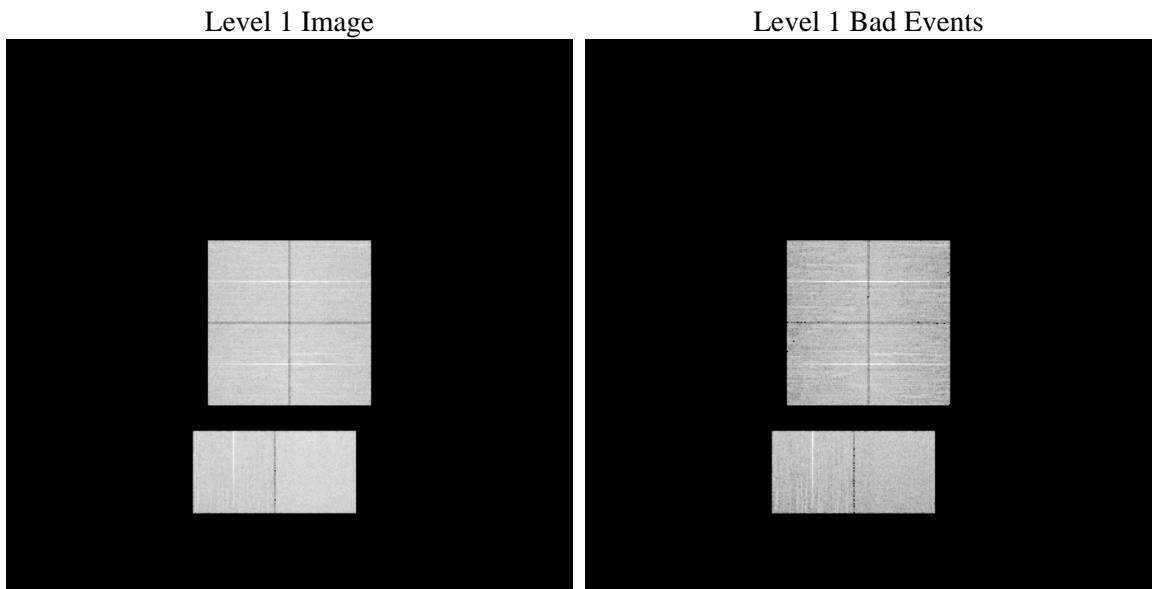
# 1 Front

seq_num	&#160	Sequence number
obs_id	56393	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	192.96924548113	Nominal RA [deg]
dec_nom	23.005252829778	Nominal Dec [deg]
roll_nom	136.68665020744	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8275.1999692321	Sum of GTIs [s]
livetime	8170.4144044945	Livetime [s]
ontime0	8275.1999692321	Sum of GTIs [s]
ontime1	8275.1999692321	Sum of GTIs [s]
ontime2	8275.1999692321	Sum of GTIs [s]
ontime3	8275.1999692321	Sum of GTIs [s]
ontime6	8275.1999692321	Sum of GTIs [s]
ontime7	8275.1999692321	Sum of GTIs [s]
l2events	405863	Number of level 2 events

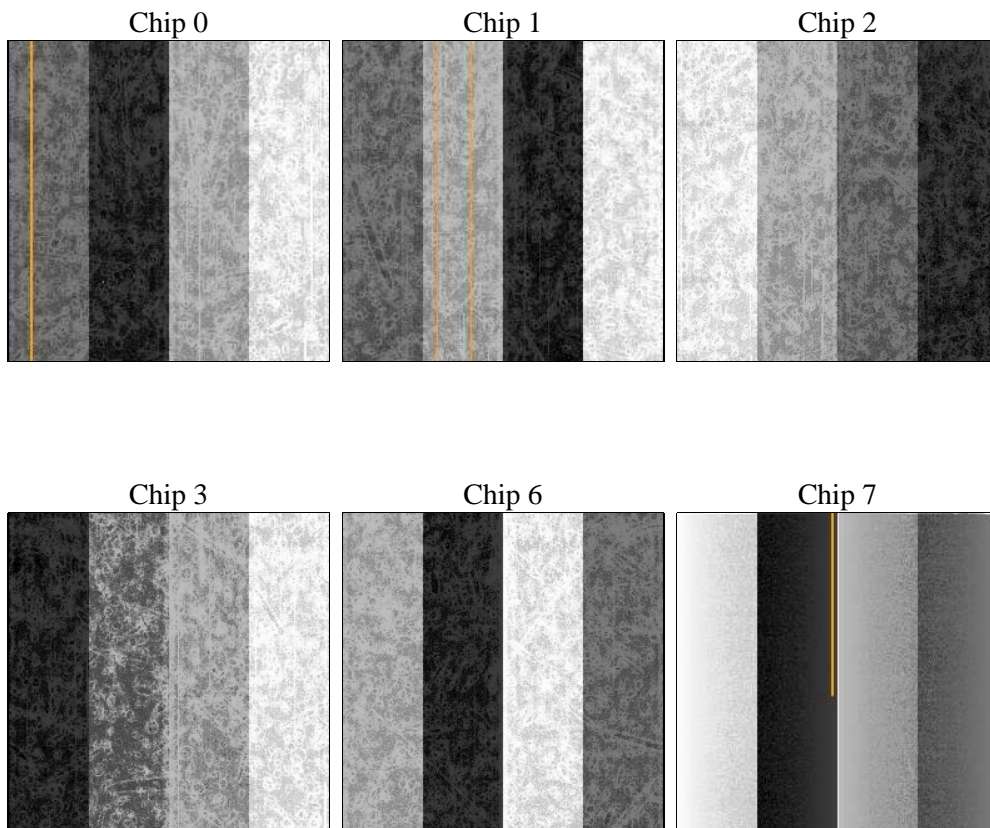
## 2 OBI

### 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	8275.1999692321	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8275.1999692321	Sum of GTIs [s]
date	2012-06-22T18:06:03	Date and time of file creation	ontime1	8275.1999692321	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8275.1999692321	Sum of GTIs [s]
			ontime3	8275.1999692321	Sum of GTIs [s]
			ontime6	8275.1999692321	Sum of GTIs [s]
			ontime7	8275.1999692321	Sum of GTIs [s]
			l1events	857561	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	134486	133932	136715	139663	142050	170715	grade 0 events	34091	32224	35493	35739	33076	17030
rejected events	69455	68669	71638	73836	74823	69977		25%	24%	25%	25%	23%	9%
rejected %	51%	51%	52%	52%	52%	40%	grade 1 events	184	181	282	247	162	133
								0%	0%	0%	0%	0%	0%
							grade 2 events	12001	14060	11192	11373	14151	22491
								8%	10%	8%	8%	9%	13%
							grade 3 events	4347	4117	4351	4438	4097	8591
								3%	3%	3%	3%	2%	5%
							grade 4 events	4320	4294	4402	4474	4011	8506
								3%	3%	3%	3%	2%	4%
							grade 5 events	3718	3793	3565	4052	3954	10248
								2%	2%	2%	2%	2%	6%
							grade 6 events	10295	10598	9672	9825	11919	44162
								7%	7%	7%	7%	8%	25%
							grade 7 events	65530	64665	67758	69515	70680	59554
								48%	48%	49%	49%	49%	34%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	192.9692454811265
[deg] Pointing Dec	0	23.00525282977834
[deg] Pointing Roll	0.0	136.6866502074366
[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)	384996521.868642	384996520.84363
Observation start date	2010-03-14T23:28:42	2010-03-14T23:28:40
[s] Observation end time (MET)	385009233.919287	385009232.89427
Observation end date	2010-03-15T03:00:34	2010-03-15T03:00:32
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2751999692321

### **A.2 Comments**