

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58153 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 3 2012

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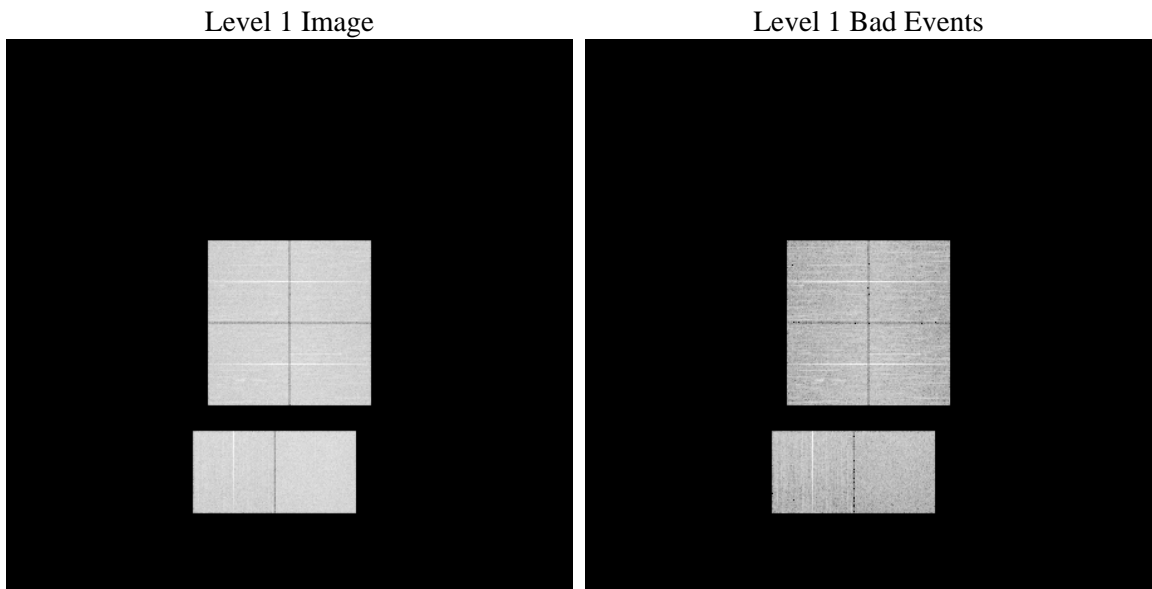
# 1 Front

seq_num	&#160	Sequence number
obs_id	58153	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	265.01682551886	Nominal RA [deg]
dec_nom	-20.024040452373	Nominal Dec [deg]
roll_nom	270.66239034025	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7660.74612391	Sum of GTIs [s]
livetime	7563.7411437415	Livetime [s]
ontime0	7660.7050839067	Sum of GTIs [s]
ontime1	7660.6640439034	Sum of GTIs [s]
ontime2	7654.1410733461	Sum of GTIs [s]
ontime3	7660.7871639132	Sum of GTIs [s]
ontime6	7660.5819638968	Sum of GTIs [s]
ontime7	7660.74612391	Sum of GTIs [s]
l2events	626531	Number of level 2 events

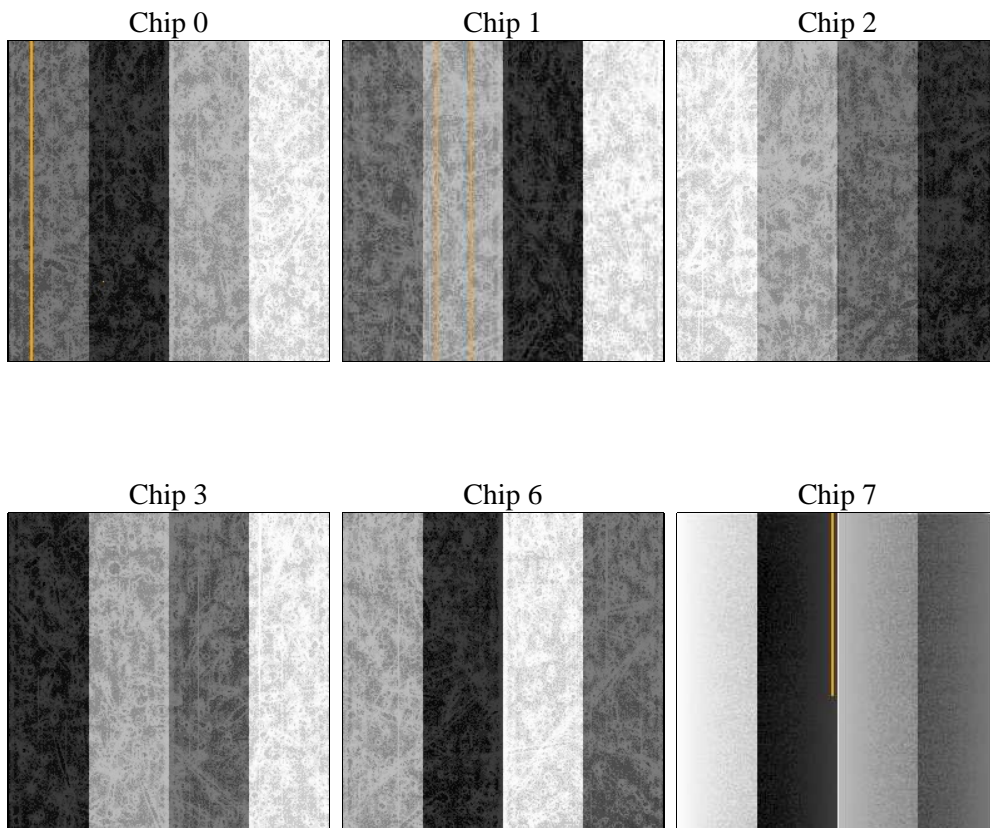
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6360	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7660.74612391	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	7660.7050839067	Sum of GTIs [s]
date	2012-05-03T15:59:18	Date and time of file creation	ontime1	7660.6640439034	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7654.1410733461	Sum of GTIs [s]
			ontime3	7660.7871639132	Sum of GTIs [s]
			ontime6	7660.5819638968	Sum of GTIs [s]
			ontime7	7660.74612391	Sum of GTIs [s]
			l1events	1068941	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	170127	170207	174248	177186	178363	198810	grade 0 events	57000	56707	59062	58432	58490	28559
rejected events	66560	65673	69598	72775	70498	62950		33%	33%	33%	32%	32%	14%
rejected %	39%	38%	39%	41%	39%	31%	grade 1 events	380	355	449	423	350	165
								0%	0%	0%	0%	0%	0%
							grade 2 events	18805	19526	18271	18523	19371	30256
								11%	11%	10%	10%	10%	15%
							grade 3 events	7054	7024	7111	7101	6979	13314
								4%	4%	4%	4%	3%	6%
							grade 4 events	6881	6948	7048	7171	6957	13170
								4%	4%	4%	4%	3%	6%
							grade 5 events	3539	3900	3448	4175	3995	10161
								2%	2%	1%	2%	2%	5%
							grade 6 events	15657	16149	15093	15100	17997	53012
								9%	9%	8%	8%	10%	26%
							grade 7 events	60811	59598	63766	66261	64224	50173
								35%	35%	36%	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	OVERRIDE	OVERRIDE
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	265.0168257128588	265.0168255188647	Subarray requested	NONE	NONE
[deg] Pointing Dec	-20.0240404447732	-20.02404045237283	Alternating exposures requested	N	N
[deg] Pointing Roll	270.6623904126787	270.6623903402519	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.7524282194390134	0.7524282194390134			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	309787416.537774	309787416.537774			
Observation start date	2007-10-26T12:18:00	2007-10-26T12:03:36			
[s] Observation end time (MET)	309796934.375193	309796934.375193			
Observation end date	2007-10-26T14:04:00	2007-10-26T14:42:14			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.66074612391

### A.2 Comments