

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55292 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 18 2012

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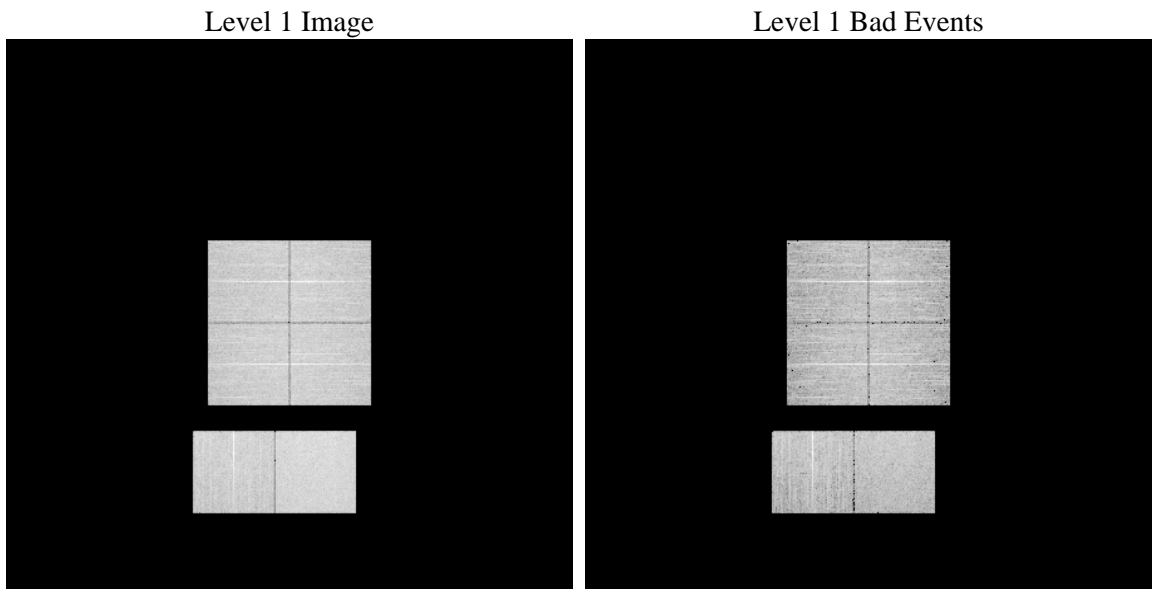
# 1 Front

seq_num	&#160	Sequence number
obs_id	55292	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	298.96870414655	Nominal RA [deg]
dec_nom	-33.616987069941	Nominal Dec [deg]
roll_nom	162.37302362854	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8085.0072985291	Sum of GTIs [s]
livetime	7982.6300679082	Livetime [s]
ontime0	8084.9662585258	Sum of GTIs [s]
ontime1	8084.9252185225	Sum of GTIs [s]
ontime2	8084.8841785192	Sum of GTIs [s]
ontime3	8085.0483385324	Sum of GTIs [s]
ontime6	8084.8431385159	Sum of GTIs [s]
ontime7	8085.0072985291	Sum of GTIs [s]
l2events	292895	Number of level 2 events

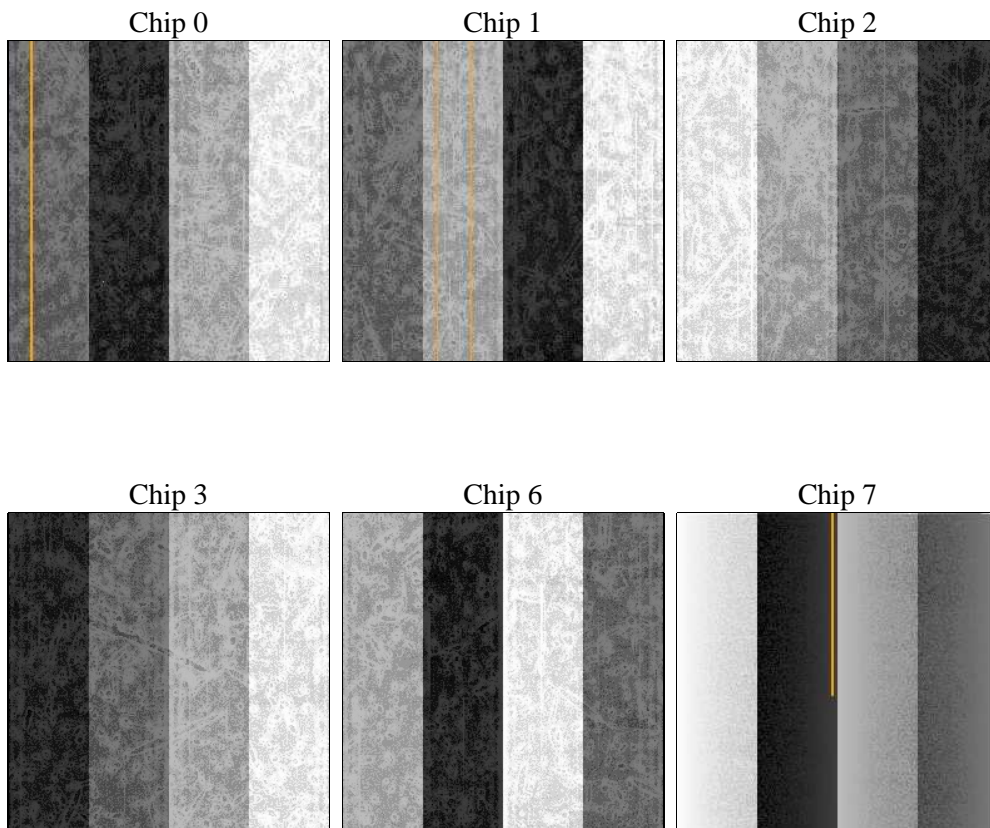
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8085.0072985291	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8084.9662585258	Sum of GTIs [s]
date	2012-02-18T06:19:21	Date and time of file creation	ontime1	8084.9252185225	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8084.8841785192	Sum of GTIs [s]
			ontime3	8085.0483385324	Sum of GTIs [s]
			ontime6	8084.8431385159	Sum of GTIs [s]
			ontime7	8085.0072985291	Sum of GTIs [s]
			l1events	648375	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	99420	102479	101089	103444	107565	134378	grade 0 events	25283	24542	25666	26096	25094	12753
rejected events	52654	55331	54608	56401	59806	59733		25%	23%	25%	25%	23%	9%
rejected %	52%	53%	54%	54%	55%	44%	grade 1 events	143	123	165	162	133	108
								0%	0%	0%	0%	0%	0%
							grade 2 events	8961	9674	8223	8401	9170	16863
								9%	9%	8%	8%	8%	12%
							grade 3 events	3216	3130	3292	3327	3190	6789
								3%	3%	3%	3%	2%	5%
							grade 4 events	3172	3209	3263	3346	3199	6566
								3%	3%	3%	3%	2%	4%
							grade 5 events	3214	3386	3106	3666	3635	8750
								3%	3%	3%	3%	3%	6%
							grade 6 events	7375	7773	7177	7043	8295	33495
								7%	7%	7%	6%	7%	24%
							grade 7 events	48056	50642	50197	51403	54849	49054
								48%	49%	49%	49%	50%	36%

## 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	298.9687041465525
[deg] Pointing Dec	0	-33.61698706994051
[deg] Pointing Roll	0.0	162.3730236285402
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	427459760.381796	427459760.381796
Observation start date	2011-07-19T10:49:20	2011-07-19T10:49:20
[s] Observation end time (MET)	427469308.292531	427469308.292531
Observation end date	2011-07-19T13:28:28	2011-07-19T13:28:28
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0850072985291

### **A.2 Comments**