

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55347 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 12 2012

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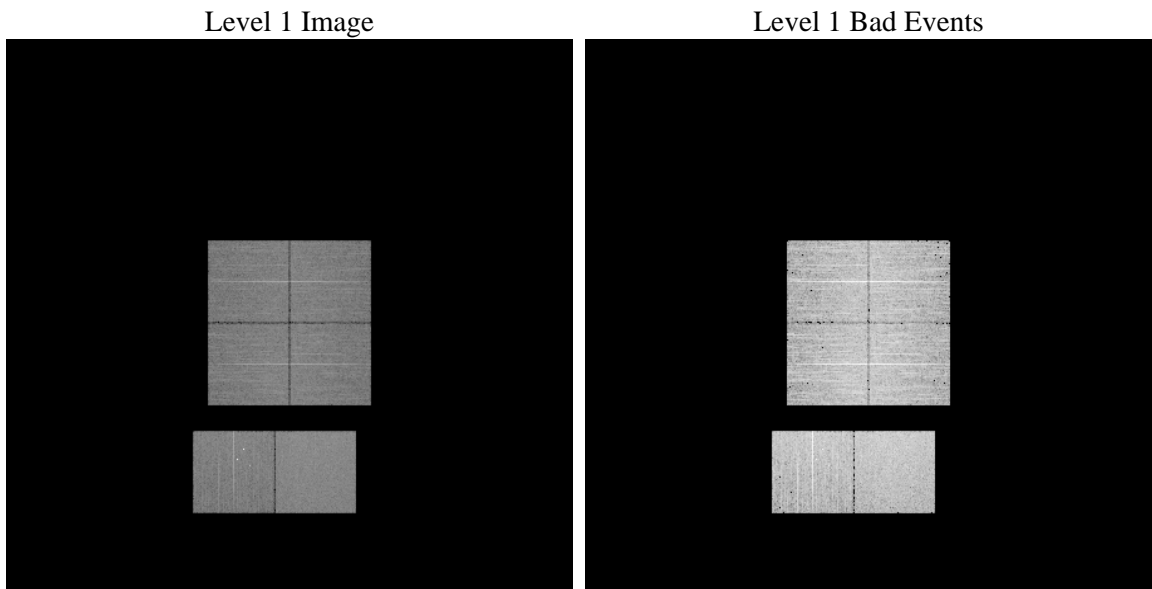
# 1 Front

seq_num	&#160	Sequence number
obs_id	55347	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	158.8017296778	Nominal RA [deg]
dec_nom	-28.010390745216	Nominal Dec [deg]
roll_nom	241.34106916141	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8092.7999699116	Sum of GTIs [s]
livetime	7990.3240637934	Livetime [s]
ontime0	8092.7999699116	Sum of GTIs [s]
ontime1	8092.7999699116	Sum of GTIs [s]
ontime2	8092.7999699116	Sum of GTIs [s]
ontime3	8092.7999699116	Sum of GTIs [s]
ontime6	8092.7999699116	Sum of GTIs [s]
ontime7	8092.7999699116	Sum of GTIs [s]
l2events	298165	Number of level 2 events

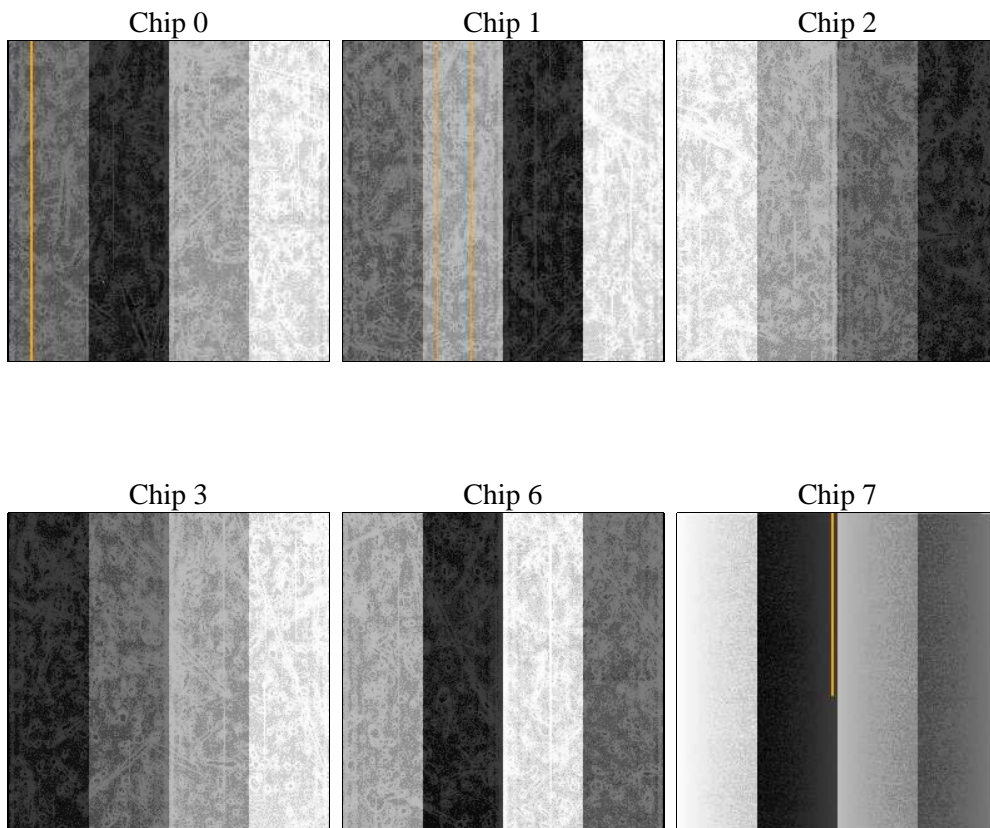
## 2 OBI

### 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	8092.7999699116	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	8092.7999699116	Sum of GTIs [s]
date	2012-02-12T14:27:51	Date and time of file creation	ontime1	8092.7999699116	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8092.7999699116	Sum of GTIs [s]
			ontime3	8092.7999699116	Sum of GTIs [s]
			ontime6	8092.7999699116	Sum of GTIs [s]
			ontime7	8092.7999699116	Sum of GTIs [s]
			l1events	642354	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	96969	98887	102441	102201	109003	132853	grade 0 events	25923	25289	26232	26596	29839	13354
rejected events	49280	50606	55053	54343	55902	57809		26%	25%	25%	26%	27%	10%
rejected %	50%	51%	53%	53%	51%	43%	grade 1 events	152	142	156	162	182	101
								0%	0%	0%	0%	0%	0%
							grade 2 events	8953	9742	8330	8665	9172	16901
								9%	9%	8%	8%	8%	12%
							grade 3 events	3260	3241	3325	3356	3348	6830
								3%	3%	3%	3%	3%	5%
							grade 4 events	3277	3338	3438	3386	3362	6887
								3%	3%	3%	3%	3%	5%
							grade 5 events	3252	3307	2960	3475	3548	8743
								3%	3%	2%	3%	3%	6%
							grade 6 events	7436	7848	7223	7055	8648	32919
								7%	7%	7%	6%	7%	24%
							grade 7 events	44716	45980	50777	49506	50904	47118
								46%	46%	49%	48%	46%	35%

## 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	158.8017296778035
[deg] Pointing Dec	0	-28.01039074521575
[deg] Pointing Roll	0.0	241.3410691614138
[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)	424717451.011208	424717451.011208
Observation start date	2011-06-17T17:04:11	2011-06-17T17:04:11
[s] Observation end time (MET)	424727000.054016	424727000.054016
Observation end date	2011-06-17T19:43:20	2011-06-17T19:43:20
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0927999699116

### A.2 Comments