

# V&V Reference Report

## L2 ASCDS Version : 10.2.1

Observation 52945 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 9 2014

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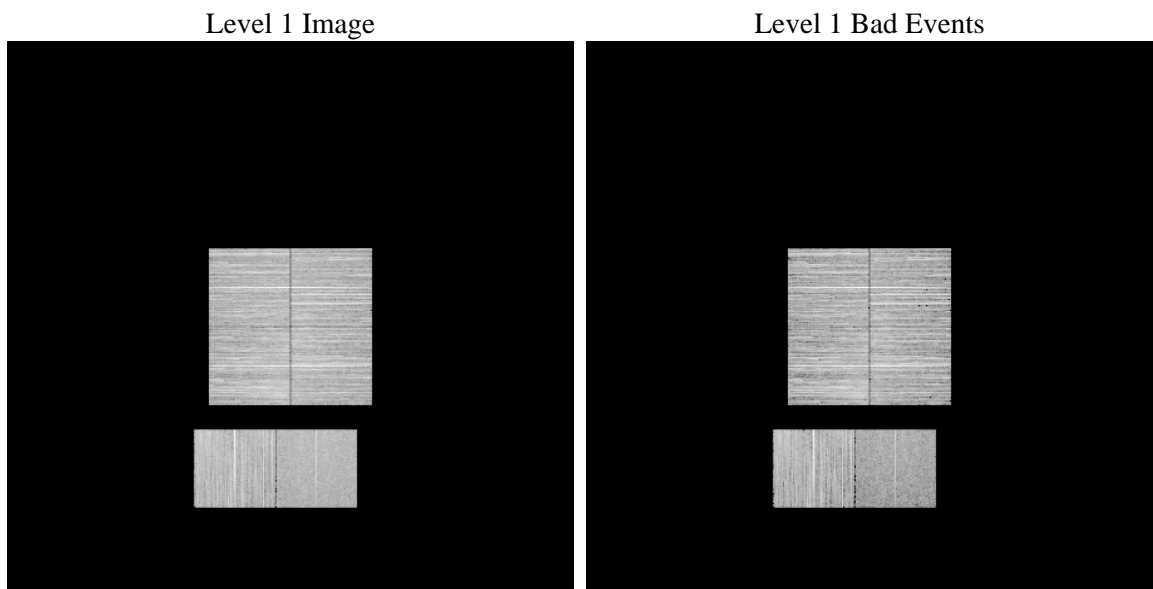
# 1 Front

seq_num	&#160	Sequence number
obs_id	52945	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	180.09999257837	Nominal RA [deg]
dec_nom	-1.9037781978497	Nominal Dec [deg]
roll_nom	133.06605555522	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8239.9999693632	Sum of GTIs [s]
livetime	8135.6601282188	Livetime [s]
ontime0	8239.9999693632	Sum of GTIs [s]
ontime1	8239.9999693632	Sum of GTIs [s]
ontime2	8239.9999693632	Sum of GTIs [s]
ontime3	8239.9999693632	Sum of GTIs [s]
ontime6	8239.9999693632	Sum of GTIs [s]
ontime7	8239.9999693632	Sum of GTIs [s]
l2events	177393	Number of level 2 events

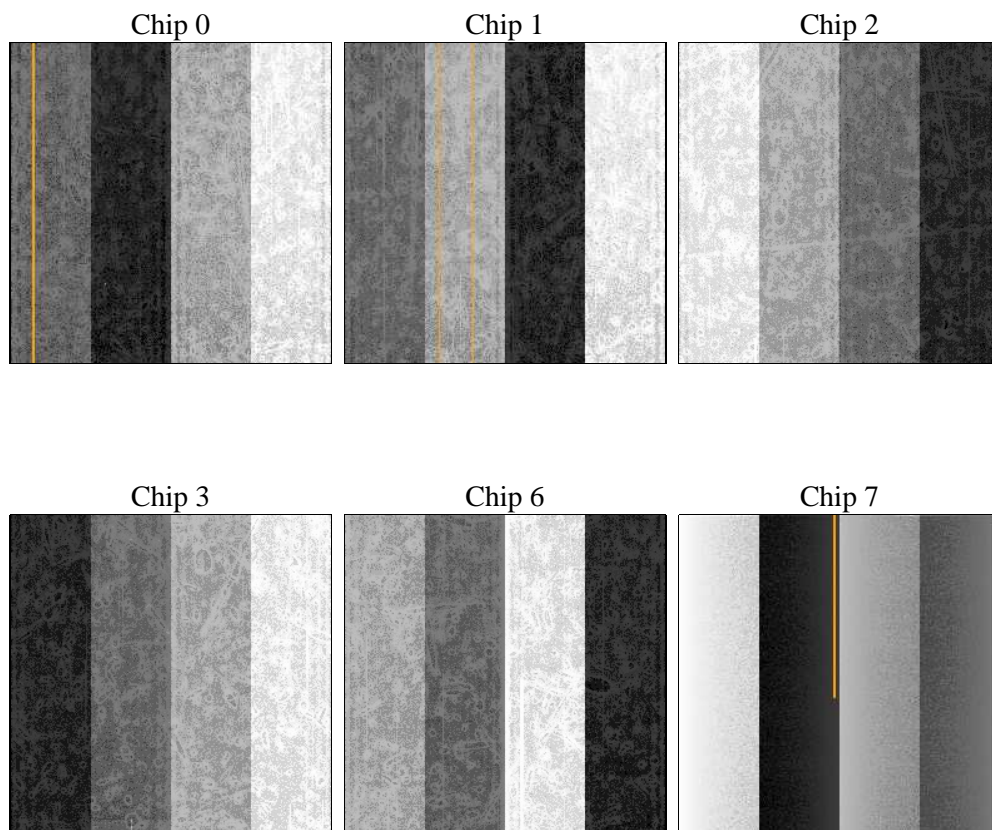
## 2 OBI

### 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	10.2.1	Processing system revision	ontime	8239.9999693632	Sum of GTIs [s]
caldsver	4.6.0	&#160	ontime0	8239.9999693632	Sum of GTIs [s]
date	2014-03-09T12:12:09	Date and time of file creation	ontime1	8239.9999693632	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8239.9999693632	Sum of GTIs [s]
			ontime3	8239.9999693632	Sum of GTIs [s]
			ontime6	8239.9999693632	Sum of GTIs [s]
			ontime7	8239.9999693632	Sum of GTIs [s]
			l1events	794572	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	134549	134609	142903	132226	137944	112341	grade 0 events	13698	13316	14007	14188	13884	7615
rejected events	107496	107433	115790	104994	109589	61194		10%	9%	9%	10%	10%	6%
rejected %	79%	79%	81%	79%	79%	54%	grade 1 events	72	62	73	81	70	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	5411	5772	5245	5190	5855	12480
								4%	4%	3%	3%	4%	11%
							grade 3 events	1950	1809	1912	2002	1923	4250
								1%	1%	1%	1%	1%	3%
							grade 4 events	1823	1827	1956	1972	1882	4366
								1%	1%	1%	1%	1%	3%
							grade 5 events	2654	2706	2513	2907	2918	7181
								1%	2%	1%	2%	2%	6%
							grade 6 events	4332	4628	4179	4035	5004	22780
								3%	3%	2%	3%	3%	20%
							grade 7 events	104609	104489	113018	101851	106408	53587
								77%	77%	79%	77%	77%	47%

## 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	180.0999925783669
[deg] Pointing Dec	0	-1.903778197849713
[deg] Pointing Roll	0.0	133.0660555552176
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	510636108.958383	510636108.958383
Observation start date	2014-03-08T03:21:49	2014-03-08T03:21:48
[s] Observation end time (MET)	510645654.49937	510645654.49937
Observation end date	2014-03-08T06:00:54	2014-03-08T06:00:54
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)	2014.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2399999693632

### A.2 Comments