

# V&V Reference Report

## L2 ASCDS Version : 10.2.1

Observation 52925 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 17 2014

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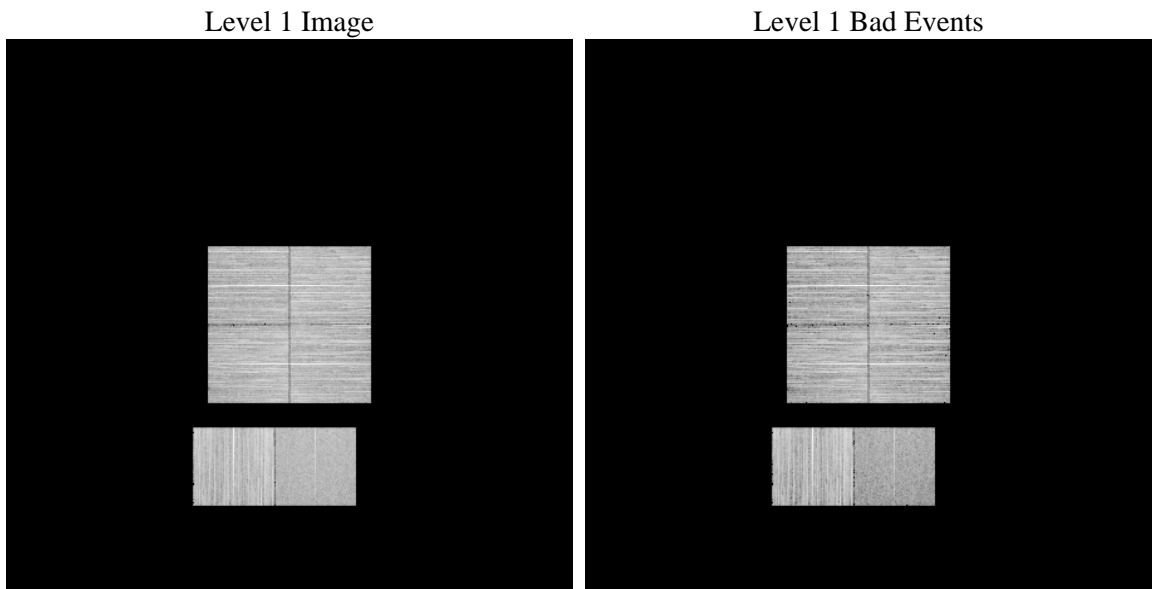
# 1 Front

seq_num	&#160	Sequence number
obs_id	52925	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	182.21229938876	Nominal RA [deg]
dec_nom	27.028075746086	Nominal Dec [deg]
roll_nom	163.52540148903	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8095.9999698997	Sum of GTIs [s]
livetime	7993.4835434549	Livetime [s]
ontime0	8095.9999698997	Sum of GTIs [s]
ontime1	8095.9999698997	Sum of GTIs [s]
ontime2	8095.9670196772	Sum of GTIs [s]
ontime3	8095.9999698997	Sum of GTIs [s]
ontime6	8095.9259796739	Sum of GTIs [s]
ontime7	8095.9999698997	Sum of GTIs [s]
l2events	172557	Number of level 2 events

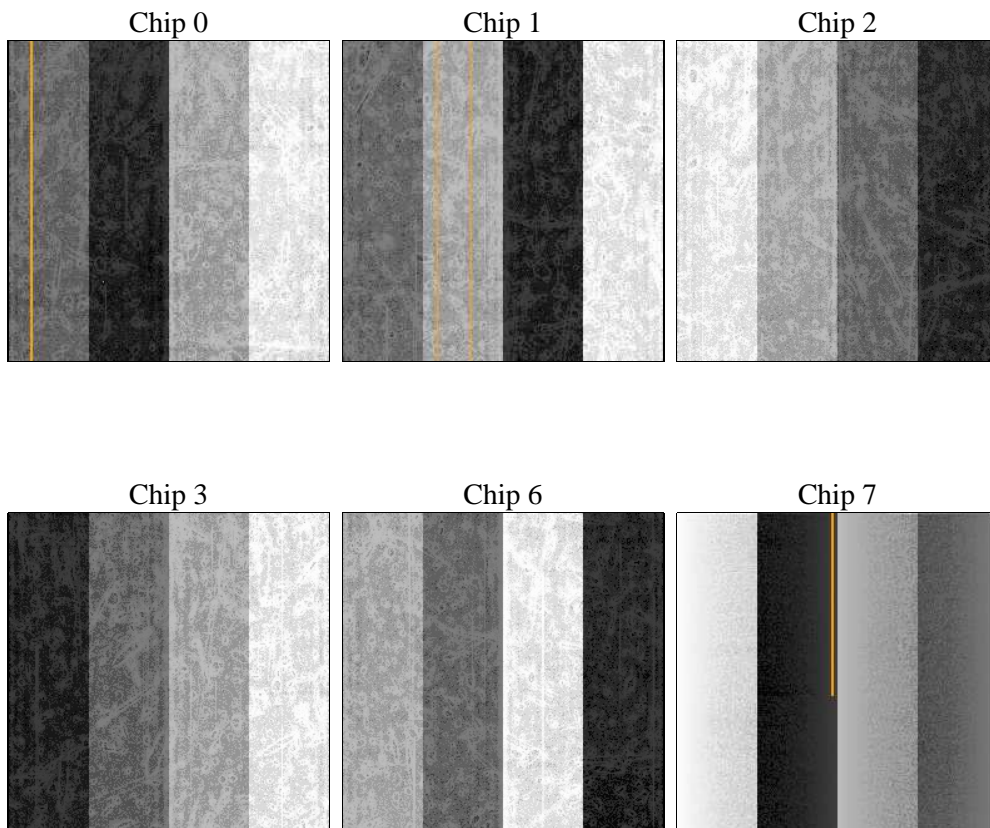
## 2 OBI

### 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	8095.9999698997	Sum of GTIs [s]
caldsver	4.6.0	&#160	ontime0	8095.9999698997	Sum of GTIs [s]
date	2014-03-17T13:26:52	Date and time of file creation	ontime1	8095.9999698997	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8095.9670196772	Sum of GTIs [s]
			ontime3	8095.9999698997	Sum of GTIs [s]
			ontime6	8095.9259796739	Sum of GTIs [s]
			ontime7	8095.9999698997	Sum of GTIs [s]
			l1events	816668	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	128418	147094	137198	134923	155742	113293	grade 0 events	13571	12995	14102	13976	13839	6981
rejected events	102098	120589	110683	108379	128309	63931		10%	8%	10%	10%	8%	6%
rejected %	79%	81%	80%	80%	82%	56%	grade 1 events	74	72	80	79	70	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	5518	5940	5271	5175	5818	12419
								4%	4%	3%	3%	3%	10%
							grade 3 events	1896	1840	1851	1904	1765	4101
								1%	1%	1%	1%	1%	3%
							grade 4 events	1782	1813	1822	1926	1805	4067
								1%	1%	1%	1%	1%	3%
							grade 5 events	2621	2787	2499	3009	2800	6796
								2%	1%	1%	2%	1%	5%
							grade 6 events	4181	4512	4105	4185	4845	23029
								3%	3%	2%	3%	3%	20%
							grade 7 events	98775	117135	107468	104669	124800	55818
								76%	79%	78%	77%	80%	49%

## 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	182.2122993887581
[deg] Pointing Dec	0	27.02807574608645
[deg] Pointing Roll	0.0	163.5254014890325
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)	511321471.146119	511321471.146119
Observation start date	2014-03-16T01:44:31	2014-03-16T01:44:31
[s] Observation end time (MET)	511331299.24429	511331299.24429
Observation end date	2014-03-16T04:28:19	2014-03-16T04:28:19
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)	2014.03.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0959999698997

### A.2 Comments