

# V&V Reference Report

## L2 ASCDS Version : 10.0.1

Observation 53424 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Sep 4 2013

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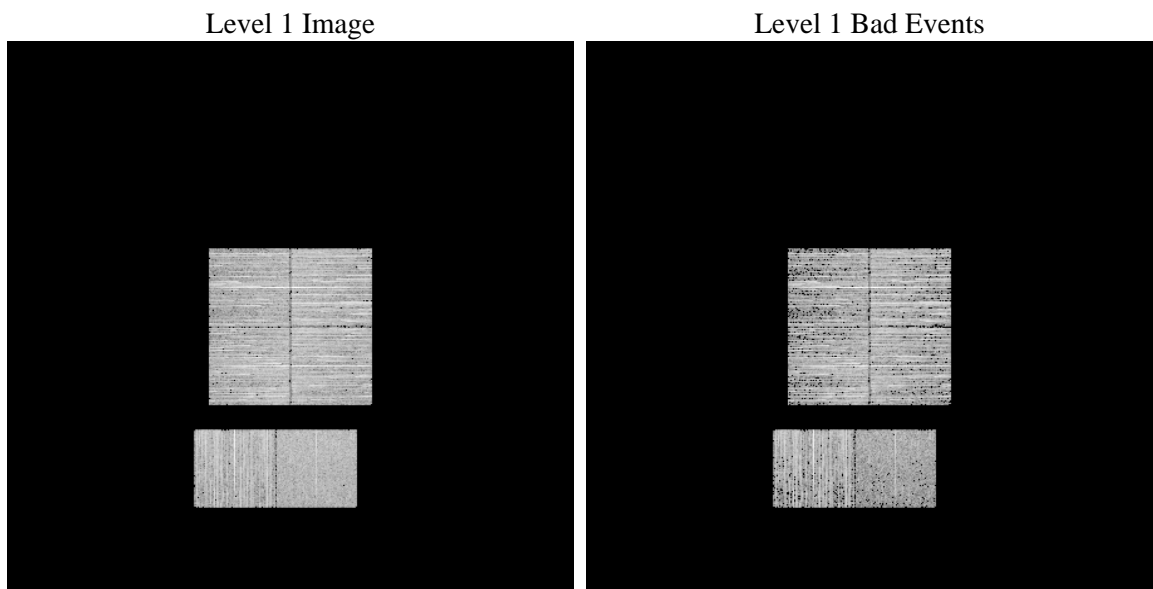
# 1 Front

seq_num	&#160	Sequence number
obs_id	53424	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	335.98110258908	Nominal RA [deg]
dec_nom	15.977860649876	Nominal Dec [deg]
roll_nom	197.84768851791	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3289.5999878049	Sum of GTIs [s]
livetime	3247.945092	Livetime [s]
ontime0	3289.5999878049	Sum of GTIs [s]
ontime1	3289.5999878049	Sum of GTIs [s]
ontime2	3289.5999878049	Sum of GTIs [s]
ontime3	3289.5999878049	Sum of GTIs [s]
ontime6	3289.5999878049	Sum of GTIs [s]
ontime7	3289.5999878049	Sum of GTIs [s]
l2events	76816	Number of level 2 events

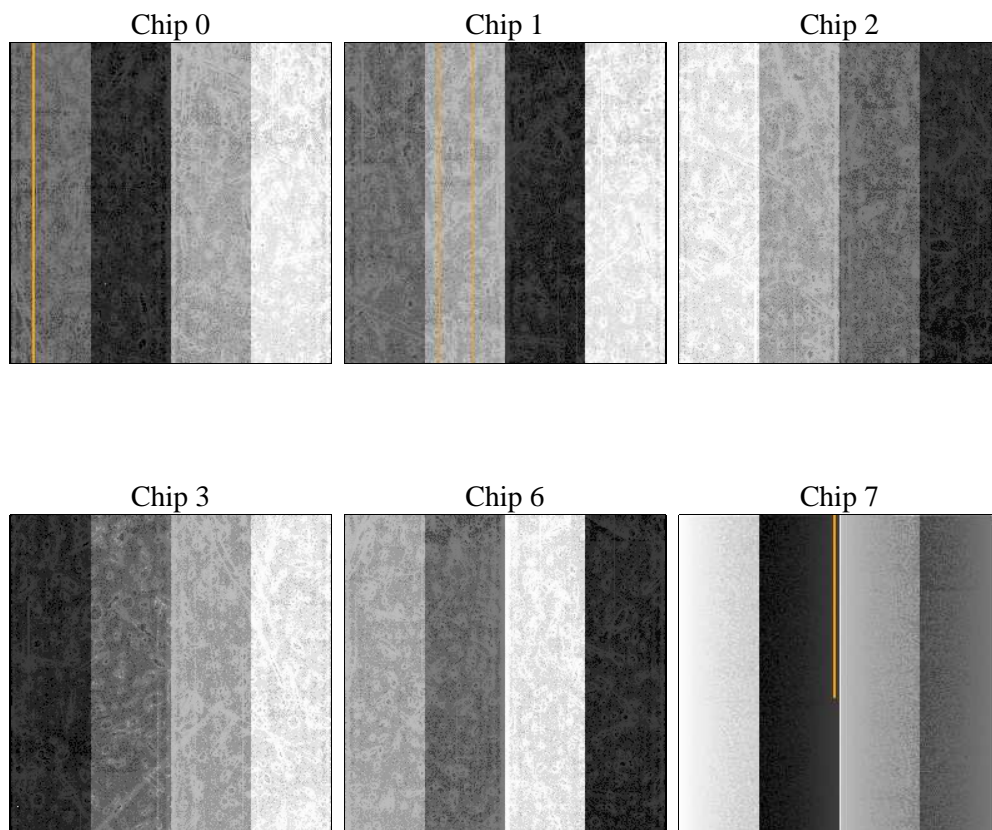
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	3289.5999878049	Sum of GTIs [s]
caldbver	4.5.8	&#160	ontime0	3289.5999878049	Sum of GTIs [s]
date	2013-09-04T23:31:07	Date and time of file creation	ontime1	3289.5999878049	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3289.5999878049	Sum of GTIs [s]
			ontime3	3289.5999878049	Sum of GTIs [s]
			ontime6	3289.5999878049	Sum of GTIs [s]
			ontime7	3289.5999878049	Sum of GTIs [s]
			l1events	321301	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	48821	60496	56346	56729	52804	46105	grade 0 events	5880	5875	6169	6261	6173	3184
rejected events	37102	48629	44296	44730	40509	24703		12%	9%	10%	11%	11%	6%
rejected %	75%	80%	78%	78%	76%	53%	grade 1 events	35	33	26	24	32	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	2386	2479	2418	2289	2421	5210
								4%	4%	4%	4%	4%	11%
							grade 3 events	774	789	848	834	813	1853
								1%	1%	1%	1%	1%	4%
							grade 4 events	792	815	800	793	801	1757
								1%	1%	1%	1%	1%	3%
							grade 5 events	1032	1110	989	1112	1088	2763
								2%	1%	1%	1%	2%	5%
							grade 6 events	1901	1925	1832	1834	2095	9417
								3%	3%	3%	3%	3%	20%
							grade 7 events	36021	47470	43264	43582	39381	21882
								73%	78%	76%	76%	74%	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	335.9811025890837
[deg] Pointing Dec	0	15.97786064987572
[deg] Pointing Roll	0.0	197.8476885179058
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	494672302.982805	494672301.9578
Observation start date	2013-09-04T08:58:23	2013-09-04T08:58:21
[s] Observation end time (MET)	494677723.1831	494677722.1581
Observation end date	2013-09-04T10:28:43	2013-09-04T10:28:42
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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)	2013.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2895999878049

### A.2 Comments