

# V&V Reference Report

## L2 ASCDS Version : 10.3.1

Observation 52256 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Dec 14 2014

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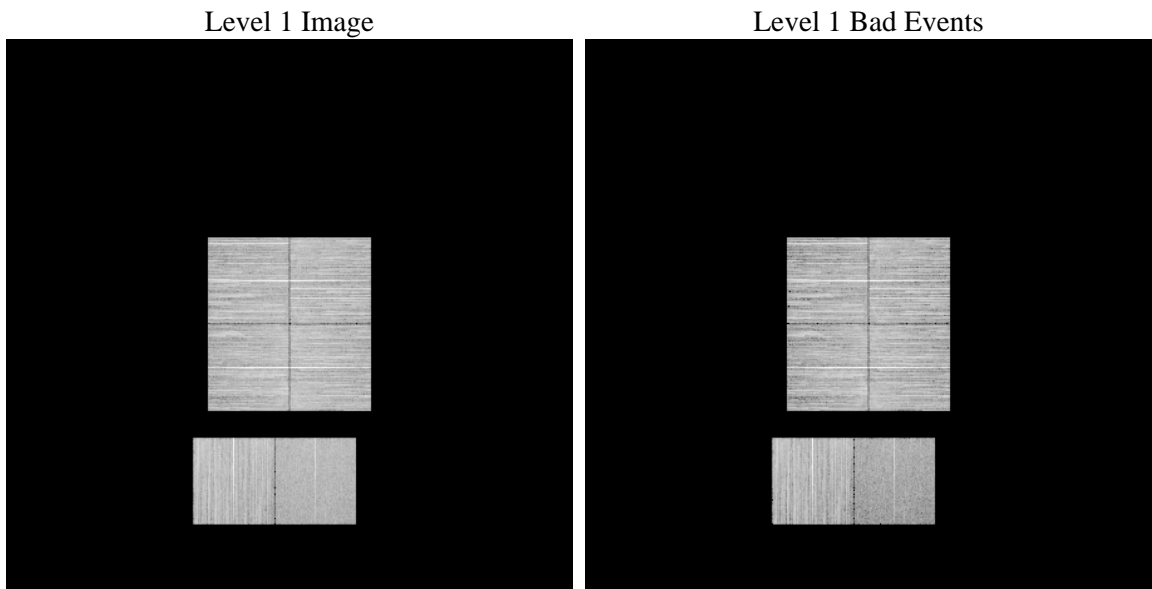
# 1 Front

seq_num	&#160	Sequence number
obs_id	52256	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	286.57636893957	Nominal RA [deg]
dec_nom	30.121917600598	Nominal Dec [deg]
roll_nom	332.21124376562	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8428.7999686599	Sum of GTIs [s]
livetime	8322.0694282427	Livetime [s]
ontime0	8428.7999686599	Sum of GTIs [s]
ontime1	8428.7999686599	Sum of GTIs [s]
ontime2	8428.7999686599	Sum of GTIs [s]
ontime3	8428.7999686599	Sum of GTIs [s]
ontime6	8428.7999686599	Sum of GTIs [s]
ontime7	8428.7999686599	Sum of GTIs [s]
l2events	163289	Number of level 2 events

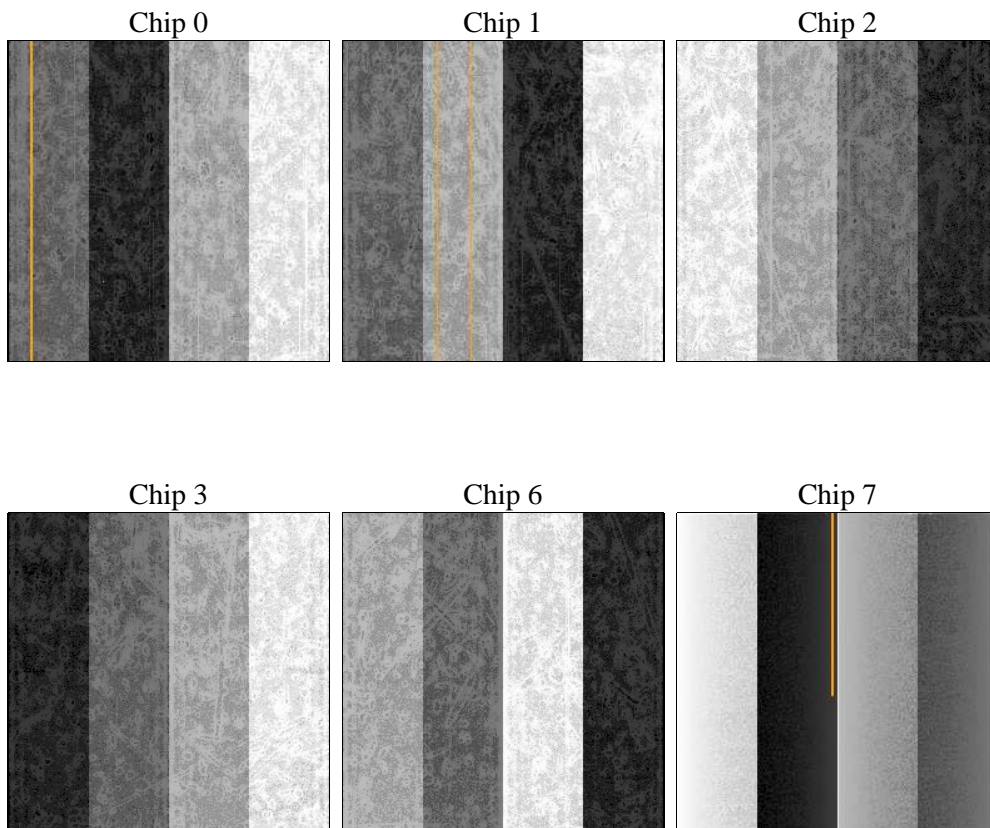
## 2 OBI

### 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	10.3.1	Processing system revision	ontime	8428.7999686599	Sum of GTIs [s]
caldsver	4.6.4	&#160	ontime0	8428.7999686599	Sum of GTIs [s]
date	2014-12-14T07:06:57	Date and time of file creation	ontime1	8428.7999686599	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8428.7999686599	Sum of GTIs [s]
			ontime3	8428.7999686599	Sum of GTIs [s]
			ontime6	8428.7999686599	Sum of GTIs [s]
			ontime7	8428.7999686599	Sum of GTIs [s]
			l1events	904920	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	153500	159158	155483	161426	155015	120338	grade 0 events	11646	10982	12386	12196	11324	6066
rejected events	129151	134535	130980	137061	129692	70122		7%	6%	7%	7%	7%	5%
rejected %	84%	84%	84%	84%	83%	58%	grade 1 events	69	55	82	79	51	92
								0%	0%	0%	0%	0%	0%
							grade 2 events	5456	6157	5044	5084	6301	12585
								3%	3%	3%	3%	4%	10%
							grade 3 events	1699	1529	1652	1688	1512	3615
								1%	0%	1%	1%	0%	3%
							grade 4 events	1611	1618	1684	1680	1621	3723
								1%	1%	1%	1%	1%	3%
							grade 5 events	2868	2824	2707	3113	2875	7024
								1%	1%	1%	1%	1%	5%
							grade 6 events	4068	4450	3840	3819	4681	24445
								2%	2%	2%	2%	3%	20%
							grade 7 events	126083	131543	128088	133767	126650	62788
								82%	82%	82%	82%	81%	52%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	286.5763689395688	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	30.12191760059778	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	332.2112437656219	[s] Primary exposure time	3.2	3.2
[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)	534888985.852031	534888984.82703			
Observation start date	2014-12-13T20:16:26	2014-12-13T20:16:24			
[s] Observation end time (MET)	534901722.502742	534901721.47774			
Observation end date	2014-12-13T23:48:43	2014-12-13T23:48:41			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4287999686599

### A.2 Comments