

# V&V Reference Report

## L2 ASCDS Version : 10.3.1

Observation 62671 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jan 9 2015

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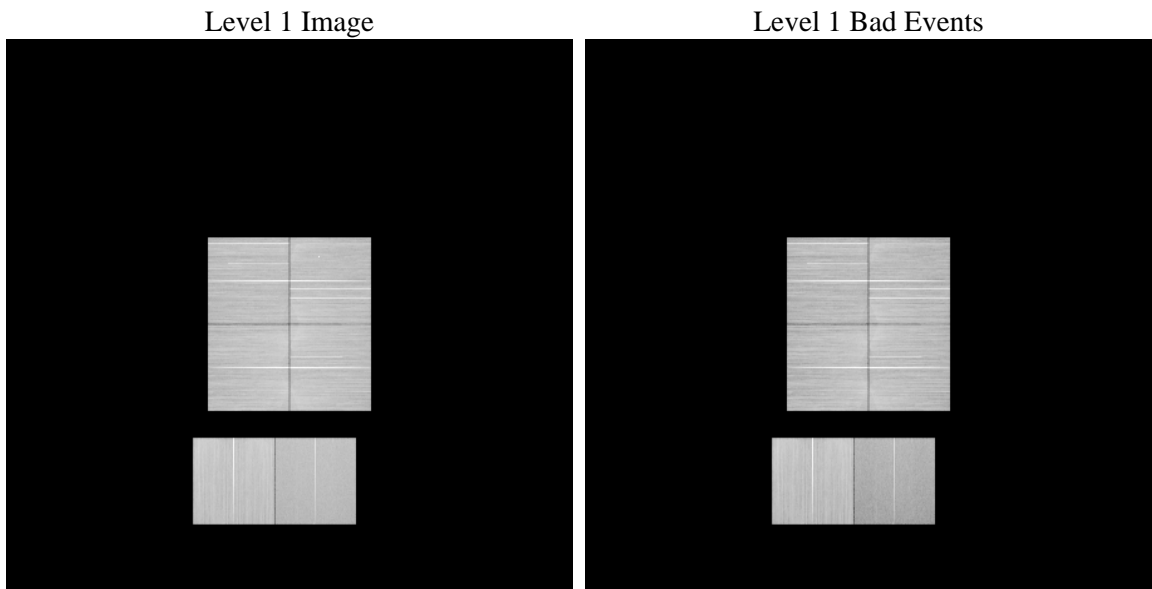
# 1 Front

seq_num	&#160	Sequence number
obs_id	62671	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	111.95967672391	Nominal RA [deg]
dec_nom	48.988452819204	Nominal Dec [deg]
roll_nom	170.82776315199	Nominal Roll [deg]
revision	1	Processing version of data
ontime	58482.740240097	Sum of GTIs [s]
livetime	57742.196569098	Livetime [s]
ontime0	58482.699200034	Sum of GTIs [s]
ontime1	58482.65816009	Sum of GTIs [s]
ontime2	58482.617120028	Sum of GTIs [s]
ontime3	58479.540229678	Sum of GTIs [s]
ontime6	58482.576080084	Sum of GTIs [s]
ontime7	58482.740240097	Sum of GTIs [s]
l2events	1098672	Number of level 2 events

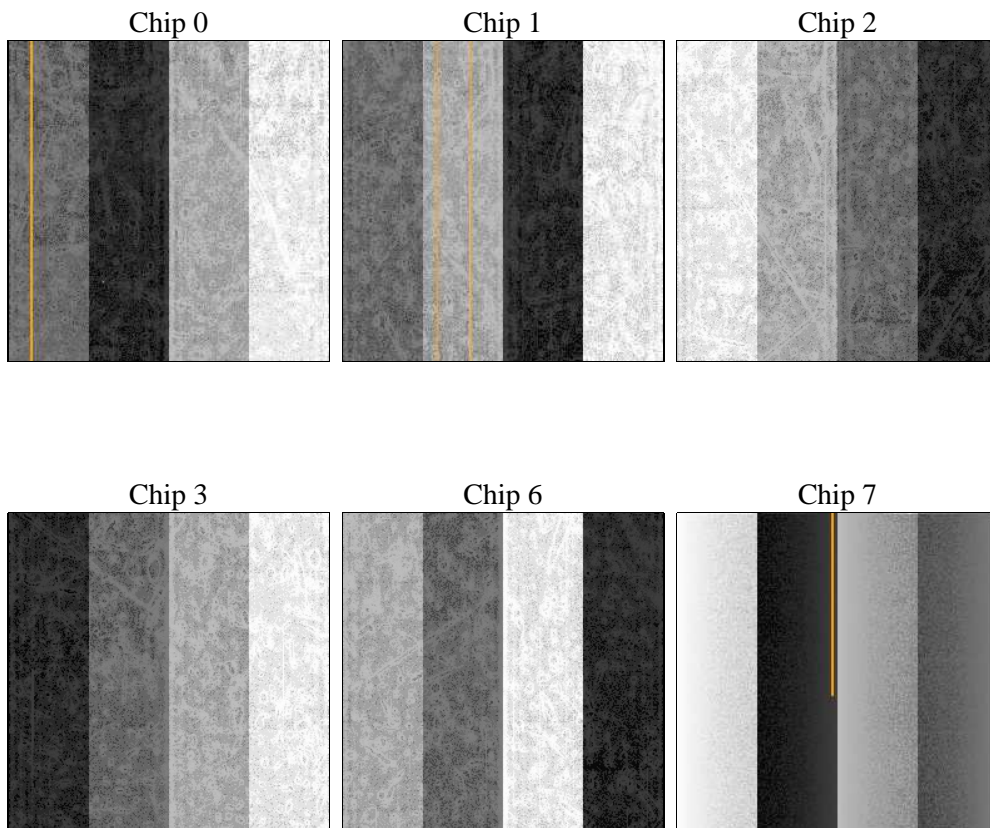
## 2 OBI

### 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	58482.740240097	Sum of GTIs [s]
caldsver	4.6.5	&#160	ontime0	58482.699200034	Sum of GTIs [s]
date	2015-01-10T03:04:02	Date and time of file creation	ontime1	58482.65816009	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	58482.617120028	Sum of GTIs [s]
			ontime3	58479.540229678	Sum of GTIs [s]
			ontime6	58482.576080084	Sum of GTIs [s]
			ontime7	58482.740240097	Sum of GTIs [s]
			l1events	6003377	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	974665	1043769	1036189	1055972	1088112	804670	grade 0 events	79697	79278	82861	84287	79960	43303
rejected events	811803	876564	872662	889958	919256	465092		8%	7%	7%	7%	7%	5%
rejected %	83%	83%	84%	84%	84%	57%	grade 1 events	457	385	439	519	420	599
								0%	0%	0%	0%	0%	0%
							grade 2 events	34099	37050	32256	32440	35808	83656
								3%	3%	3%	3%	3%	10%
							grade 3 events	11443	11157	11619	11587	11149	26319
								1%	1%	1%	1%	1%	3%
							grade 4 events	11082	11026	11541	11700	11091	26122
								1%	1%	1%	1%	1%	3%
							grade 5 events	19395	19570	18612	21354	20030	49775
								1%	1%	1%	2%	1%	6%
							grade 6 events	26548	28701	25259	26002	30858	160200
								2%	2%	2%	2%	2%	19%
							grade 7 events	791944	856602	853602	868083	898796	414696
								81%	82%	82%	82%	82%	51%

## 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	111.9596767239093	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	48.98845281920443	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	170.8277631519906	[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)	537065294.673373	537065293.64837			
Observation start date	2015-01-08T00:48:15	2015-01-08T00:48:13			
[s] Observation end time (MET)	537160037.4786609	537160036.45366			
Observation end date	2015-01-09T03:07:17	2015-01-09T03:07:16			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.01.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	58.482740240097

### A.2 Comments