

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 52519 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Aug 25 2014

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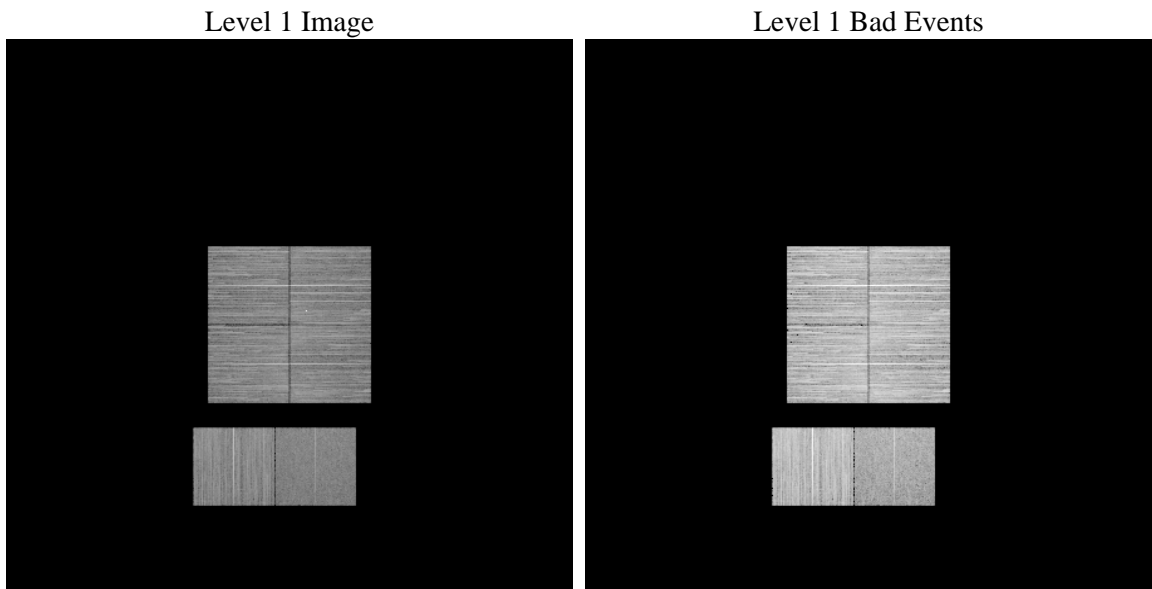
# 1 Front

seq_num	&#160	Sequence number
obs_id	52519	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	304.91793135615	Nominal RA [deg]
dec_nom	-14.623071512167	Nominal Dec [deg]
roll_nom	274.13870113209	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8466.6348306537	Sum of GTIs [s]
livetime	8359.4252024325	Livetime [s]
ontime0	8466.5937906504	Sum of GTIs [s]
ontime1	8466.5527506471	Sum of GTIs [s]
ontime2	8466.5117106438	Sum of GTIs [s]
ontime3	8466.675870657	Sum of GTIs [s]
ontime6	8466.4706706405	Sum of GTIs [s]
ontime7	8466.6348306537	Sum of GTIs [s]
l2events	174366	Number of level 2 events

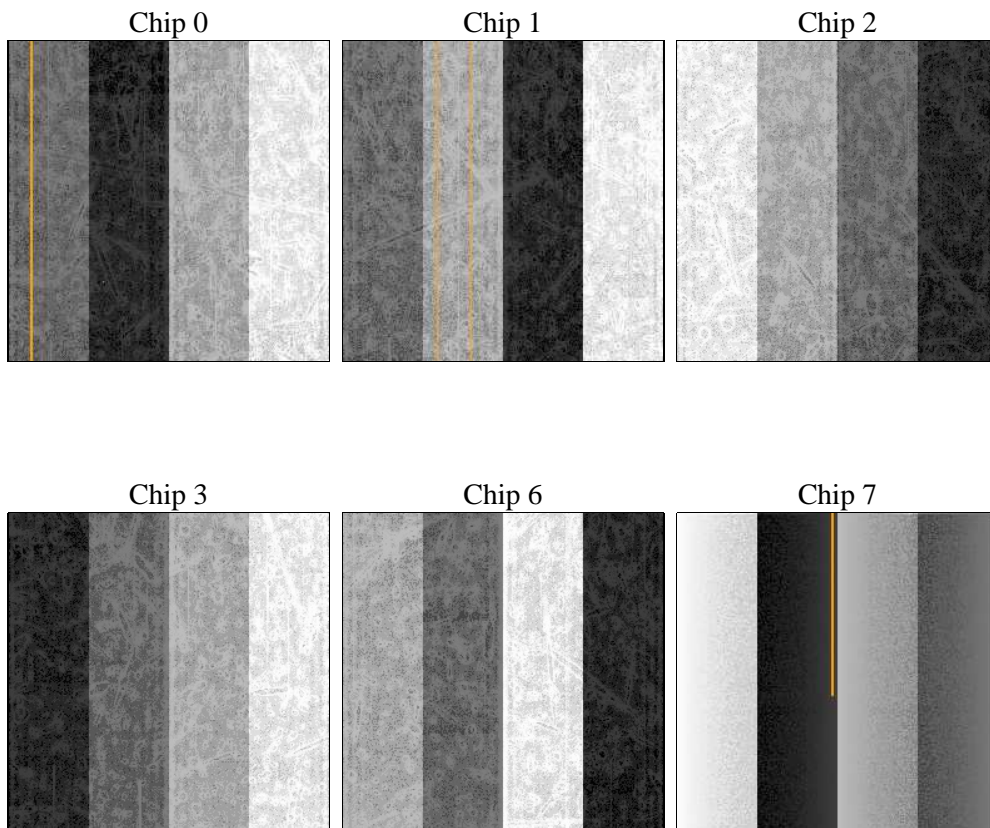
## 2 OBI

### 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	10.2.4	Processing system revision	ontime	8466.6348306537	Sum of GTIs [s]
caldsver	4.6.2	&#160	ontime0	8466.5937906504	Sum of GTIs [s]
date	2014-08-25T12:08:44	Date and time of file creation	ontime1	8466.5527506471	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8466.5117106438	Sum of GTIs [s]
			ontime3	8466.675870657	Sum of GTIs [s]
			ontime6	8466.4706706405	Sum of GTIs [s]
			ontime7	8466.6348306537	Sum of GTIs [s]
			l1events	933075	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	158395	163575	163622	156038	167505	123940	grade 0 events	13118	15014	13107	13344	12867	6987
rejected events	131981	134898	137751	129753	140518	70729		8%	9%	8%	8%	7%	5%
rejected %	83%	82%	84%	83%	83%	57%	grade 1 events	91	79	80	84	67	75
								0%	0%	0%	0%	0%	0%
							grade 2 events	5414	5680	5188	5050	5759	12930
								3%	3%	3%	3%	3%	10%
							grade 3 events	1849	1745	1846	1908	1765	4170
								1%	1%	1%	1%	1%	3%
							grade 4 events	1715	1753	1726	1915	1823	4297
								1%	1%	1%	1%	1%	3%
							grade 5 events	3026	3056	2900	3255	3109	7931
								1%	1%	1%	2%	1%	6%
							grade 6 events	4330	4494	4016	4074	4781	24846
								2%	2%	2%	2%	2%	20%
							grade 7 events	128852	131754	134759	126408	137334	62704
								81%	80%	82%	81%	81%	50%

## 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	304.917931356148	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-14.6230715121673	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	274.13870113209	[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)	525294366.218593	525294365.19359			
Observation start date	2014-08-24T19:06:06	2014-08-24T19:06:05			
[s] Observation end time (MET)	525307318.119312	525307317.09431			
Observation end date	2014-08-24T22:41:58	2014-08-24T22:41:57			
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)	2014.08.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4666348306537

### A.2 Comments