

# V&V Reference Report

## L2 ASCDS Version : 10.2.1

Observation 52995 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 15 2014

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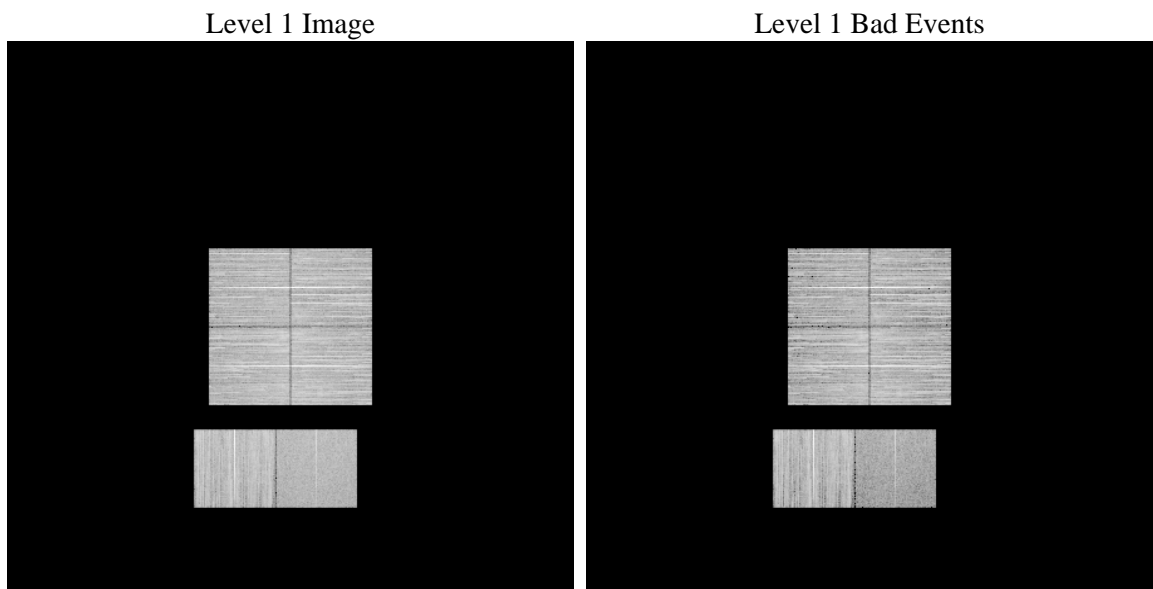
# 1 Front

seq_num	&#160	Sequence number
obs_id	52995	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	303.72810538684	Nominal RA [deg]
dec_nom	25.173374491055	Nominal Dec [deg]
roll_nom	35.814136968723	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8230.0923204422	Sum of GTIs [s]
livetime	8125.8779359141	Livetime [s]
ontime0	8230.0512804389	Sum of GTIs [s]
ontime1	8230.0102404356	Sum of GTIs [s]
ontime2	8229.9692004323	Sum of GTIs [s]
ontime3	8230.1333604455	Sum of GTIs [s]
ontime6	8229.928160429	Sum of GTIs [s]
ontime7	8230.0923204422	Sum of GTIs [s]
l2events	177555	Number of level 2 events

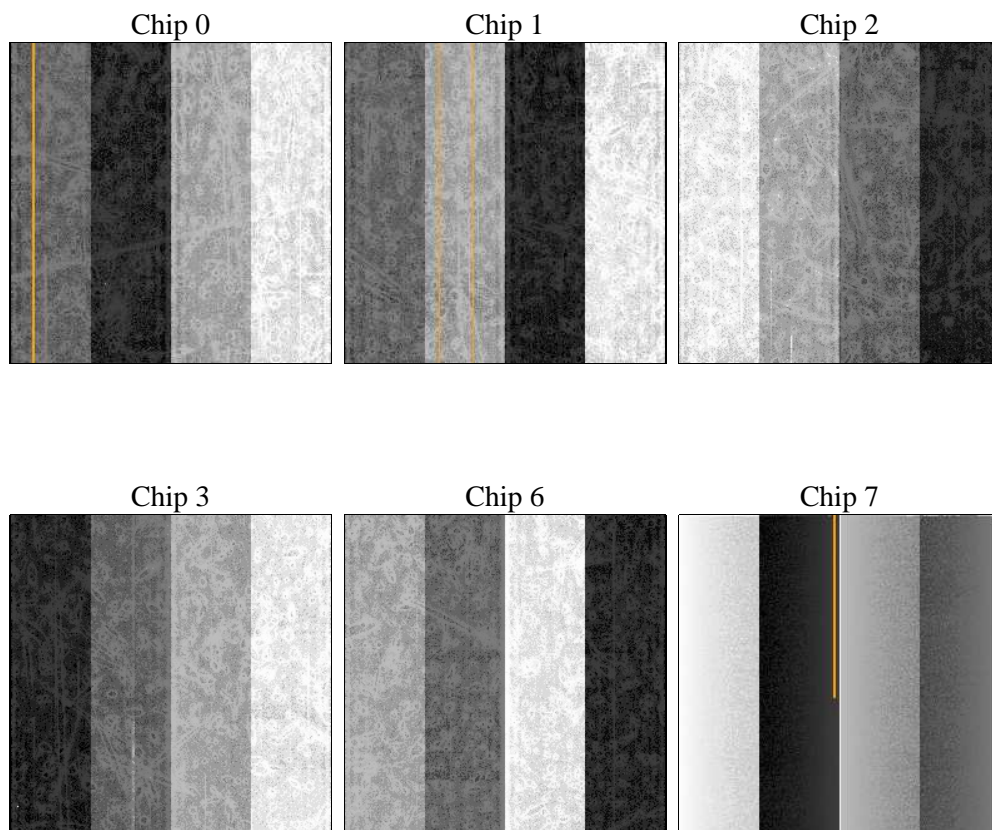
## 2 OBI

### 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	8230.0923204422	Sum of GTIs [s]
caldsver	4.6.0	&#160	ontime0	8230.0512804389	Sum of GTIs [s]
date	2014-02-15T20:41:00	Date and time of file creation	ontime1	8230.0102404356	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8229.9692004323	Sum of GTIs [s]
			ontime3	8230.1333604455	Sum of GTIs [s]
			ontime6	8229.928160429	Sum of GTIs [s]
			ontime7	8230.0923204422	Sum of GTIs [s]
			l1events	864795	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	135815	145200	152471	158334	154801	118174	grade 0 events	12905	11897	13780	13696	11964	6768
rejected events	108795	118136	125175	130885	126642	67020		9%	8%	9%	8%	7%	5%
rejected %	80%	81%	82%	82%	81%	56%	grade 1 events	50	55	66	84	51	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	6393	7177	5928	5891	7790	12675
								4%	4%	3%	3%	5%	10%
							grade 3 events	1771	1617	1784	1871	1647	4023
								1%	1%	1%	1%	1%	3%
							grade 4 events	1726	1588	1707	1871	1590	3897
								1%	1%	1%	1%	1%	3%
							grade 5 events	2463	2501	2511	2952	2562	6628
								1%	1%	1%	1%	1%	5%
							grade 6 events	4400	4953	4306	4331	5340	24156
								3%	3%	2%	2%	3%	20%
							grade 7 events	106107	115412	122389	127638	123857	59949
								78%	79%	80%	80%	80%	50%

## 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	303.7281053868419
[deg] Pointing Dec	0	25.1733744910548
[deg] Pointing Roll	0.0	35.81413696872345
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)	508840337.559487	508840337.559487
Observation start date	2014-02-15T08:32:18	2014-02-15T08:32:17
[s] Observation end time (MET)	508852850.683827	508852850.683827
Observation end date	2014-02-15T12:00:51	2014-02-15T12:00:50
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.02.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2300923204422

### A.2 Comments