

# V&V Reference Report

## L2 ASCDS Version : 10.2.2

Observation 52735 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jun 3 2014

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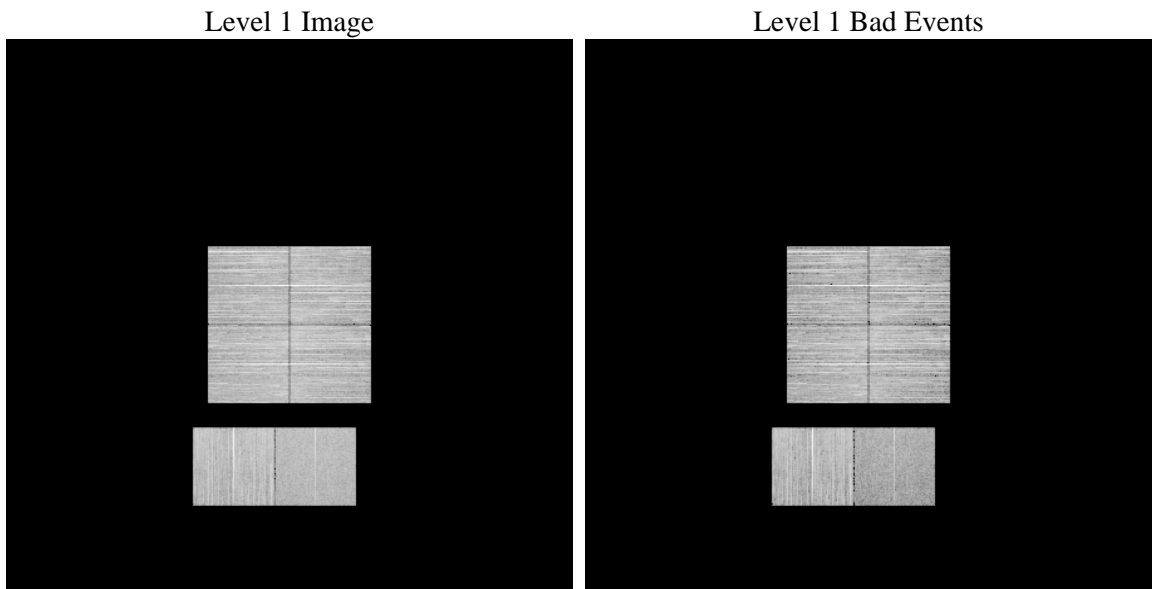
# 1 Front

seq_num	&#160	Sequence number
obs_id	52735	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	288.02365942092	Nominal RA [deg]
dec_nom	-24.807044266943	Nominal Dec [deg]
roll_nom	93.998905080579	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8111.99996984	Sum of GTIs [s]
livetime	8009.280941762	Livetime [s]
ontime0	8111.99996984	Sum of GTIs [s]
ontime1	8111.99996984	Sum of GTIs [s]
ontime2	8111.99996984	Sum of GTIs [s]
ontime3	8111.99996984	Sum of GTIs [s]
ontime6	8111.99996984	Sum of GTIs [s]
ontime7	8111.99996984	Sum of GTIs [s]
l2events	169999	Number of level 2 events

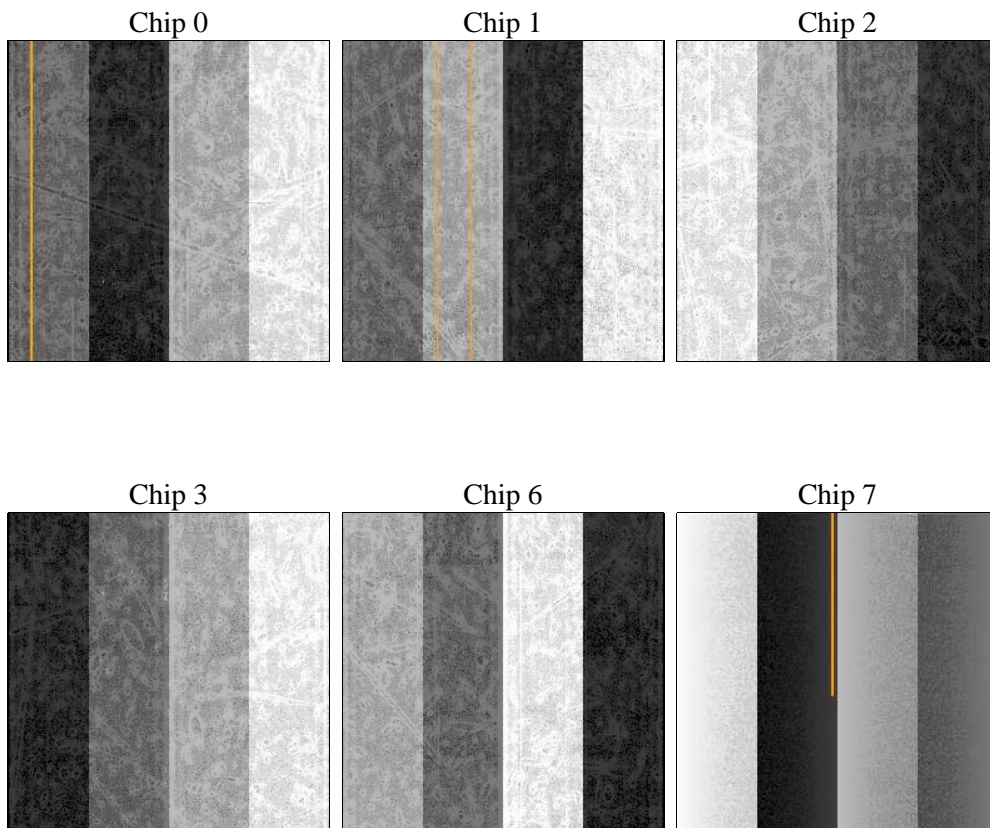
## 2 OBI

### 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	10.2.2	Processing system revision	ontime	8111.99996984	Sum of GTIs [s]
caldsver	4.6.1	&#160	ontime0	8111.99996984	Sum of GTIs [s]
date	2014-06-03T21:26:47	Date and time of file creation	ontime1	8111.99996984	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8111.99996984	Sum of GTIs [s]
			ontime3	8111.99996984	Sum of GTIs [s]
			ontime6	8111.99996984	Sum of GTIs [s]
			ontime7	8111.99996984	Sum of GTIs [s]
			l1events	816409	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	138375	138276	141034	140072	141918	116734	grade 0 events	12998	12774	13540	13707	13251	7071
rejected events	112854	112479	115305	114299	115252	66144		9%	9%	9%	9%	9%	6%
rejected %	81%	81%	81%	81%	81%	56%	grade 1 events	66	54	82	101	66	82
								0%	0%	0%	0%	0%	0%
							grade 2 events	5276	5489	5012	5012	5697	12573
								3%	3%	3%	3%	4%	10%
							grade 3 events	1826	1807	1866	1806	1764	4382
								1%	1%	1%	1%	1%	3%
							grade 4 events	1849	1840	1797	1801	1820	4276
								1%	1%	1%	1%	1%	3%
							grade 5 events	2823	2780	2691	3113	2963	7418
								2%	2%	1%	2%	2%	6%
							grade 6 events	4149	4433	4097	4041	4745	23420
								2%	3%	2%	2%	3%	20%
							grade 7 events	109388	109099	111949	110491	111612	57512
								79%	78%	79%	78%	78%	49%

## 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	288.0236594209188
[deg] Pointing Dec	0	-24.80704426694317
[deg] Pointing Roll	0.0	93.99890508057902
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)	518173040.974194	518173040.974194
Observation start date	2014-06-03T08:57:21	2014-06-03T08:57:20
[s] Observation end time (MET)	518183281.517029	518183281.517029
Observation end date	2014-06-03T11:48:02	2014-06-03T11:48:01
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.11199996984

### A.2 Comments