

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 52425 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Oct 3 2014

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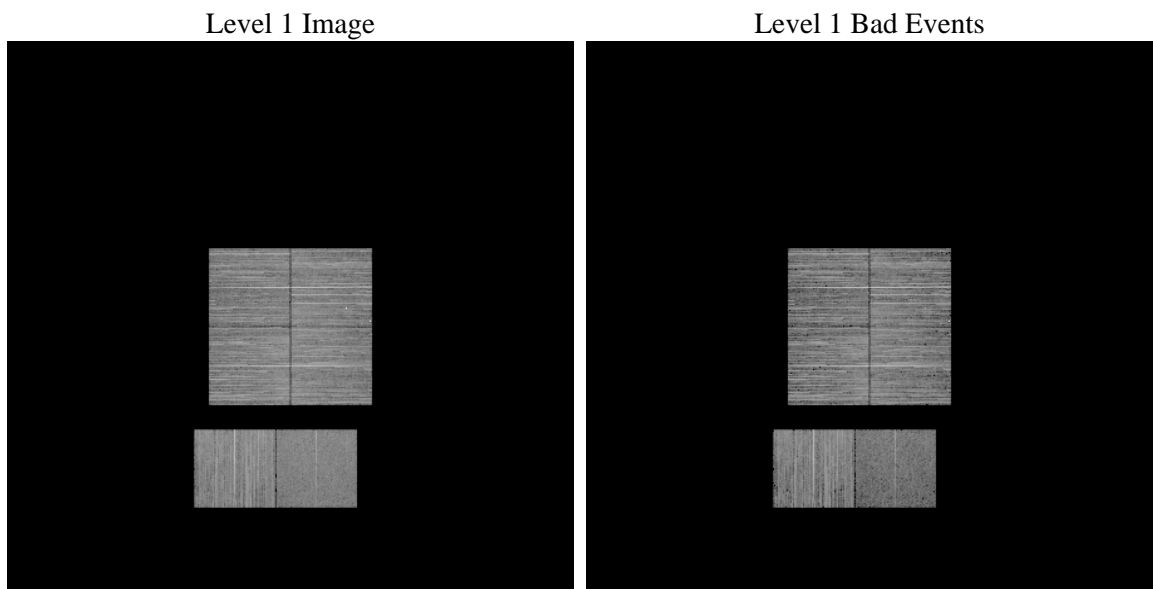
# 1 Front

seq_num	&#160	Sequence number
obs_id	52425	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	29.399913349902	Nominal RA [deg]
dec_nom	-9.8211184471432	Nominal Dec [deg]
roll_nom	57.388485622982	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6214.3999769092	Sum of GTIs [s]
livetime	6135.7095025391	Livetime [s]
ontime0	6214.3999769092	Sum of GTIs [s]
ontime1	6214.3999769092	Sum of GTIs [s]
ontime2	6214.3999769092	Sum of GTIs [s]
ontime3	6214.3999769092	Sum of GTIs [s]
ontime6	6214.3999769092	Sum of GTIs [s]
ontime7	6214.3999769092	Sum of GTIs [s]
l2events	146163	Number of level 2 events

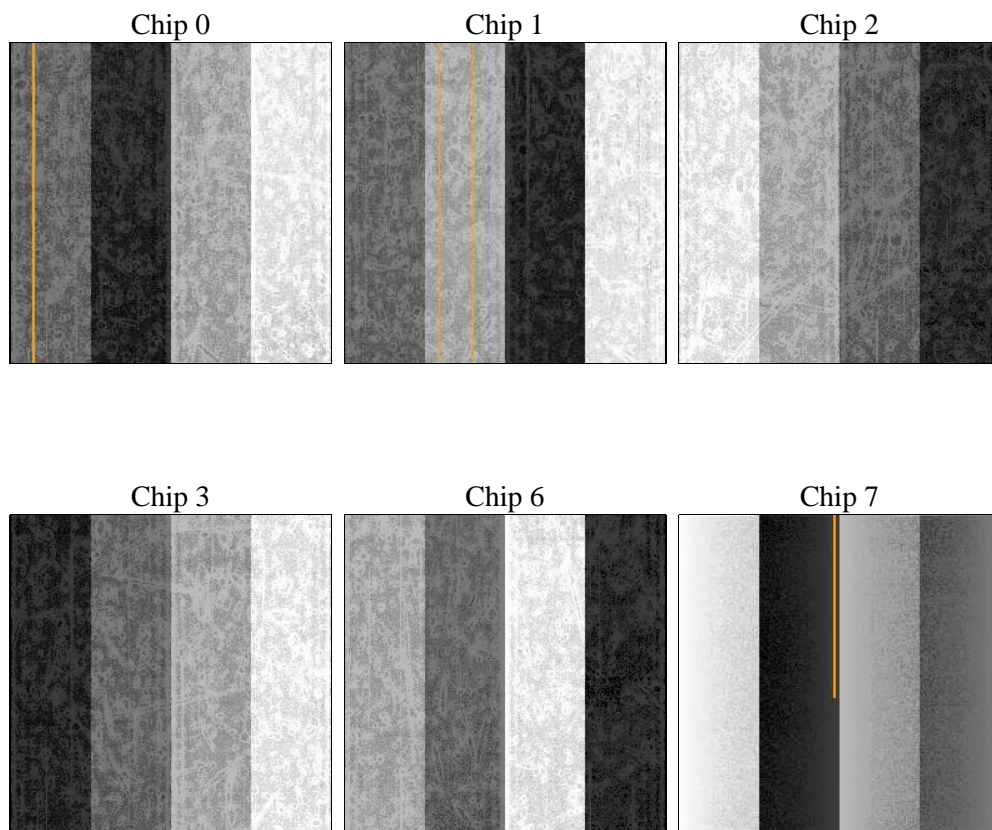
## 2 OBI

### 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	6214.3999769092	Sum of GTIs [s]
caldsver	4.6.3	&#160	ontime0	6214.3999769092	Sum of GTIs [s]
date	2014-10-03T08:06:08	Date and time of file creation	ontime1	6214.3999769092	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6214.3999769092	Sum of GTIs [s]
			ontime3	6214.3999769092	Sum of GTIs [s]
			ontime6	6214.3999769092	Sum of GTIs [s]
			ontime7	6214.3999769092	Sum of GTIs [s]
			l1events	686314	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	106433	121405	122665	117301	121951	96559	grade 0 events	11645	12842	11908	11739	11867	6051
rejected events	84008	97025	100300	94898	97967	55159		10%	10%	9%	10%	9%	6%
rejected %	78%	79%	81%	80%	80%	57%	grade 1 events	66	2035	66	74	67	76
								0%	1%	0%	0%	0%	0%
							grade 2 events	4725	5155	4382	4495	5244	10763
								4%	4%	3%	3%	4%	11%
							grade 3 events	1598	1563	1598	1622	1637	3362
								1%	1%	1%	1%	1%	3%
							grade 4 events	1579	1622	1622	1599	1658	3297
								1%	1%	1%	1%	1%	3%
							grade 5 events	2268	2320	2107	2498	2373	5898
								2%	1%	1%	2%	1%	6%
							grade 6 events	3982	4345	3841	4016	4725	19753
								3%	3%	3%	3%	3%	20%
							grade 7 events	80570	91523	97141	91258	94380	47359
								75%	75%	79%	77%	77%	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	29.39991334990231
[deg] Pointing Dec	0	-9.821118447143157
[deg] Pointing Roll	0.0	57.3884856229822
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)	528685833.106888	528685833.106888
Observation start date	2014-10-03T01:10:33	2014-10-03T01:10:33
[s] Observation end time (MET)	528693573.984619	528693573.984619
Observation end date	2014-10-03T03:19:34	2014-10-03T03:19:33
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	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.2143999769092

### A.2 Comments