

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60434 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 10 2012

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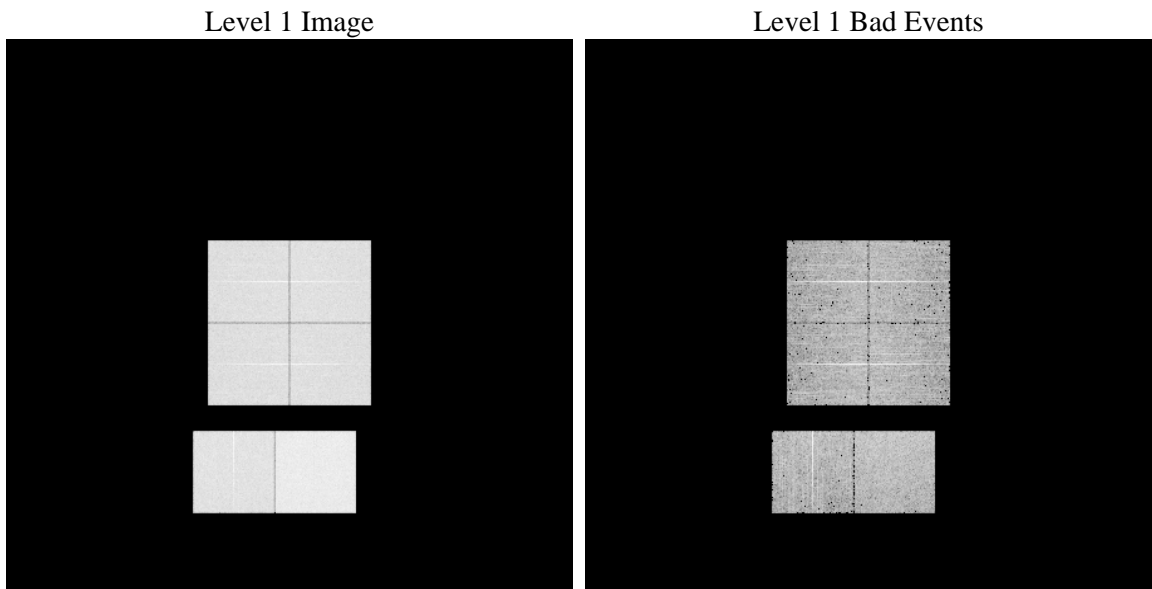
# 1 Front

seq_num	&#160	Sequence number
obs_id	60434	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	98.026685471846	Nominal RA [deg]
dec_nom	5.0105930980009	Nominal Dec [deg]
roll_nom	348.86396990377	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7807.5927894413	Sum of GTIs [s]
livetime	7708.7283483735	Livetime [s]
ontime0	5421.0937152207	Sum of GTIs [s]
ontime1	5586.3430291116	Sum of GTIs [s]
ontime2	5194.1426567137	Sum of GTIs [s]
ontime3	5214.8053647578	Sum of GTIs [s]
ontime6	5709.4181391597	Sum of GTIs [s]
ontime7	7807.5927894413	Sum of GTIs [s]
l2events	1149472	Number of level 2 events

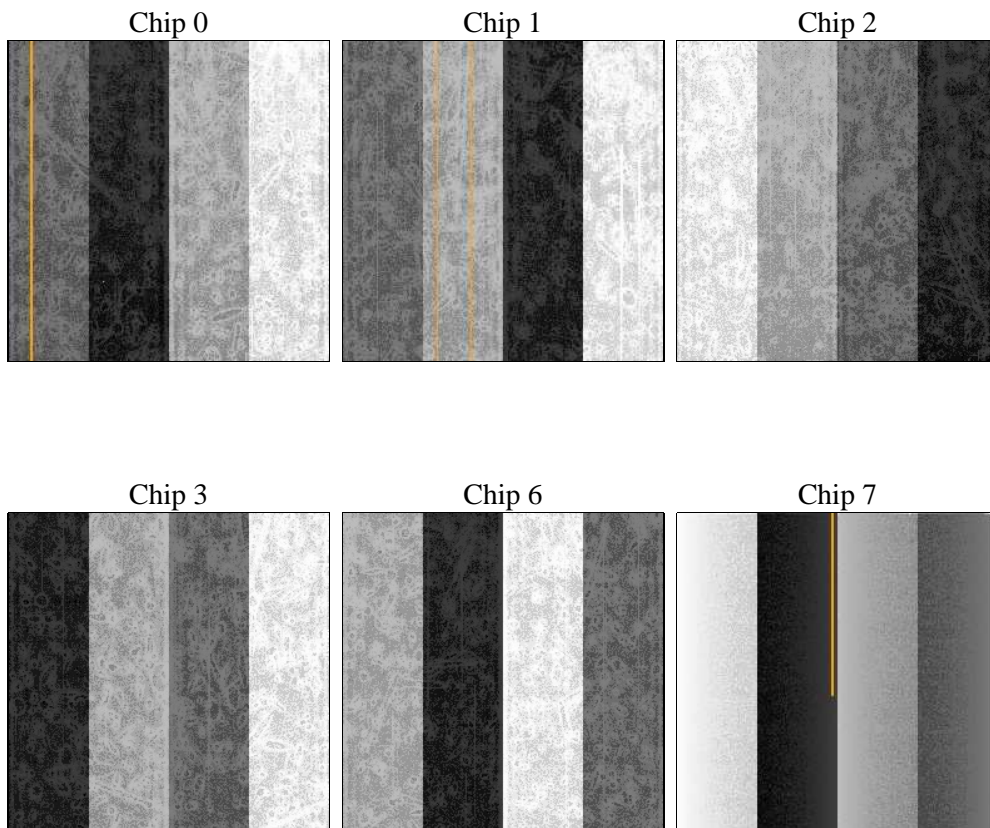
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	7807.5927894413	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime0	5421.0937152207	Sum of GTIs [s]
date	2012-11-10T04:44:39	Date and time of file creation	ontime1	5586.3430291116	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5194.1426567137	Sum of GTIs [s]
			ontime3	5214.8053647578	Sum of GTIs [s]
			ontime6	5709.4181391597	Sum of GTIs [s]
			ontime7	7807.5927894413	Sum of GTIs [s]
			l1events	1419887	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	215298	220847	210312	212029	238123	323278	grade 0 events	100361	102629	99536	99648	109968	69324
rejected events	33519	33867	33864	34898	36957	42019		46%	46%	47%	46%	46%	21%
rejected %	15%	15%	16%	16%	15%	12%	grade 1 events	497	454	540	556	505	199
								0%	0%	0%	0%	0%	0%
							grade 2 events	31884	33287	29769	30380	34351	62071
								14%	15%	14%	14%	14%	19%
							grade 3 events	11652	11920	11498	11505	12406	28564
								5%	5%	5%	5%	5%	8%
							grade 4 events	11684	11806	11385	11566	12524	28268
								5%	5%	5%	5%	5%	8%
							grade 5 events	2252	2450	2126	2333	2597	7670
								1%	1%	1%	1%	1%	2%
							grade 6 events	26198	27338	24260	24032	31917	93032
								12%	12%	11%	11%	13%	28%
							grade 7 events	30770	30963	31198	32009	33855	34150
								14%	14%	14%	15%	14%	10%

## 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	98.02668547184571
[deg] Pointing Dec	0	5.010593098000936
[deg] Pointing Roll	0.0	348.8639699037699
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	189389746.58897	189389745.56425
Observation start date	2004-01-02T00:15:47	2004-01-02T00:15:45
[s] Observation end time (MET)	189426238.640557	189426237.61584
Observation end date	2004-01-02T10:23:59	2004-01-02T10:23:57
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	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)	2012.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8075927894413

### A.2 Comments