

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 60073 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 8 2012

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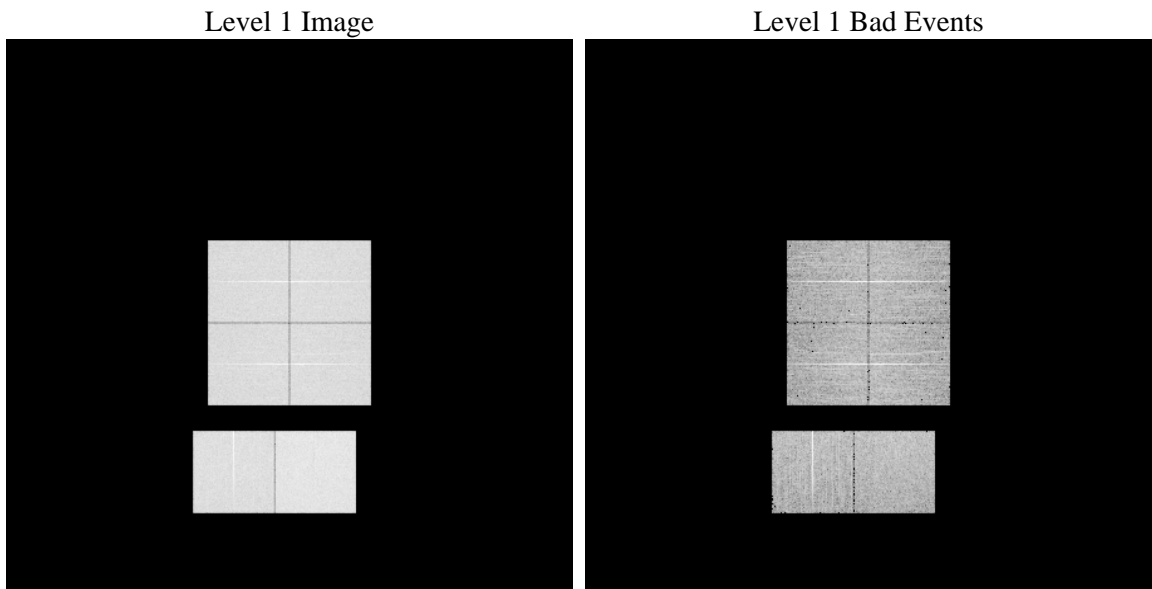
# 1 Front

seq_num	&#160	Sequence number
obs_id	60073	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	334.98681235598	Nominal RA [deg]
dec_nom	-1.0260994161234	Nominal Dec [deg]
roll_nom	218.19752061908	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7801.5999709368	Sum of GTIs [s]
livetime	7702.8114145452	Livetime [s]
ontime0	6181.1171783209	Sum of GTIs [s]
ontime1	6223.2495737076	Sum of GTIs [s]
ontime2	5954.2497880459	Sum of GTIs [s]
ontime3	5983.4187686145	Sum of GTIs [s]
ontime6	6501.9731248319	Sum of GTIs [s]
ontime7	7801.5999709368	Sum of GTIs [s]
l2events	1088747	Number of level 2 events

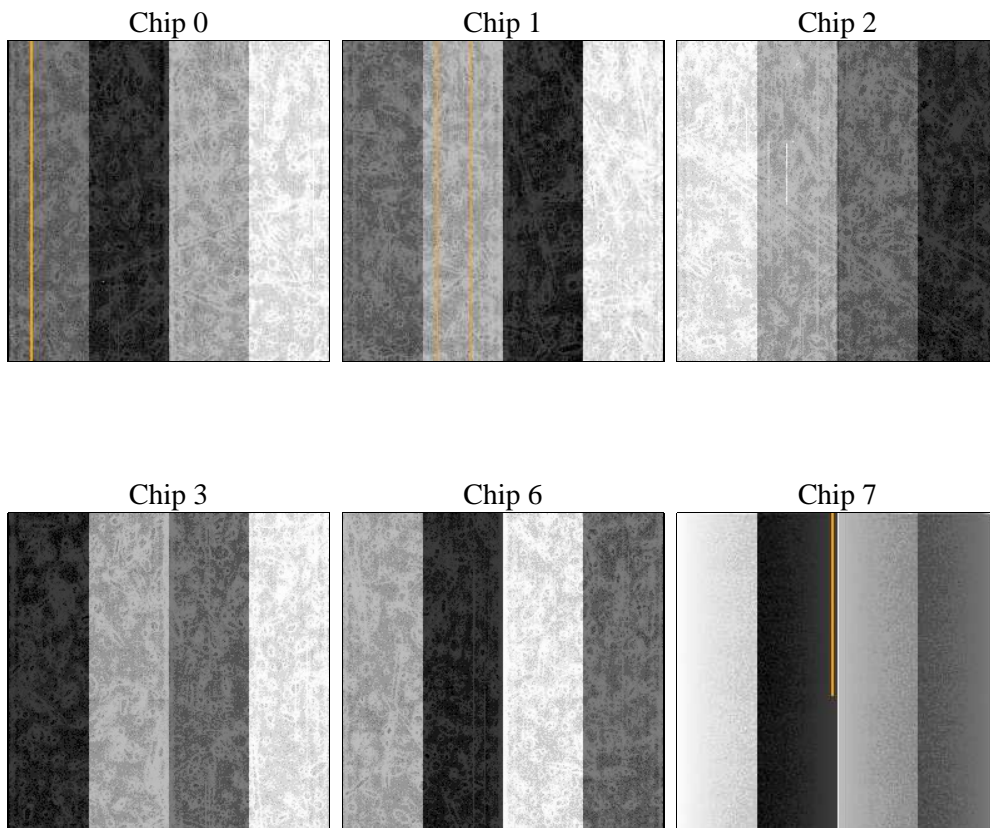
## 2 OBI

### 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	8.5	Processing system revision	ontime	7801.5999709368	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime0	6181.1171783209	Sum of GTIs [s]
date	2012-12-08T11:13:22	Date and time of file creation	ontime1	6223.2495737076	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5954.2497880459	Sum of GTIs [s]
			ontime3	5983.4187686145	Sum of GTIs [s]
			ontime6	6501.9731248319	Sum of GTIs [s]
			ontime7	7801.5999709368	Sum of GTIs [s]
			l1events	1415129	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	218970	222060	215629	219149	243636	295685	grade 0 events	97027	97472	96464	97119	105538	59979
rejected events	42840	43499	43370	45849	48543	48073		44%	43%	44%	44%	43%	20%
rejected %	19%	19%	20%	20%	19%	16%	grade 1 events	583	516	570	591	587	210
								0%	0%	0%	0%	0%	0%
							grade 2 events	30676	31830	29203	29860	34033	54566
								14%	14%	13%	13%	13%	18%
							grade 3 events	11541	11435	11396	11076	12275	24878
								5%	5%	5%	5%	5%	8%
							grade 4 events	11290	11460	11175	11275	12308	24608
								5%	5%	5%	5%	5%	8%
							grade 5 events	2801	2890	2580	2882	3206	8830
								1%	1%	1%	1%	1%	2%
							grade 6 events	25684	26452	24098	24072	31033	83676
								11%	11%	11%	10%	12%	28%
							grade 7 events	39368	40005	40143	42274	44656	38938
								17%	18%	18%	19%	18%	13%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	334.9868123559824	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-1.026099416123397	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	218.197520619078			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	210407721.015625	210407719.99062			
Observation start date	2004-09-01T06:35:21	2004-09-01T06:35:19			
[s] Observation end time (MET)	210442698.117185	210442697.09217			
Observation end date	2004-09-01T16:18:18	2004-09-01T16:18:17			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8015999709368

### A.2 Comments