

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60338 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 13 2012

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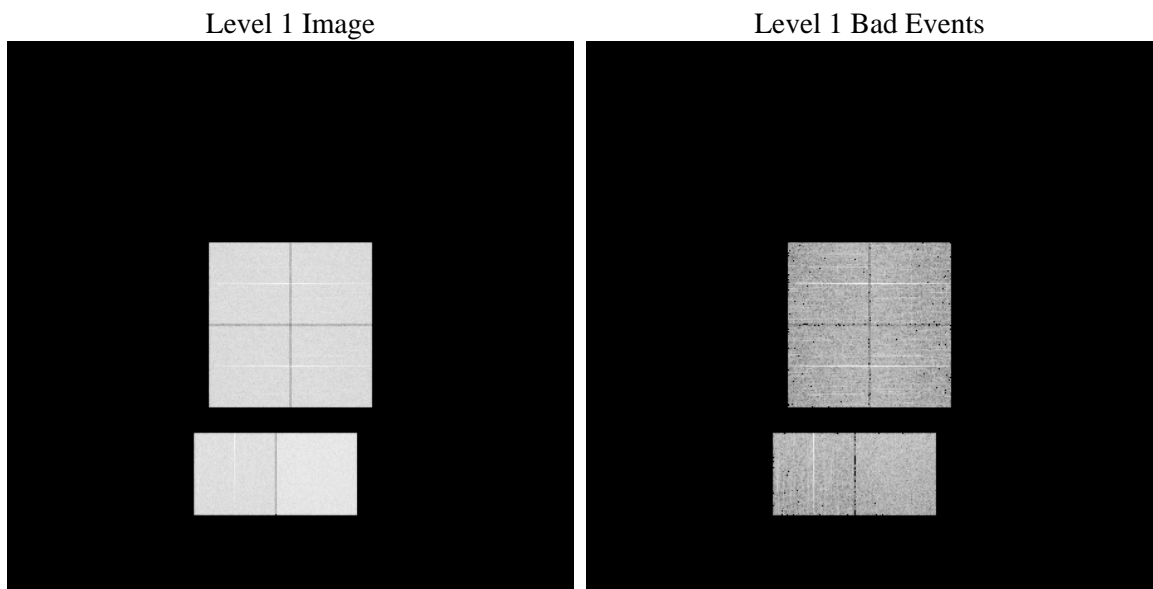
# 1 Front

seq_num	&#160	Sequence number
obs_id	60338	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	161.98732788093	Nominal RA [deg]
dec_nom	21.973901797202	Nominal Dec [deg]
roll_nom	212.78151632306	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7499.6562163532	Sum of GTIs [s]
livetime	7404.6910535909	Livetime [s]
ontime0	5418.9089672267	Sum of GTIs [s]
ontime1	5535.6564619839	Sum of GTIs [s]
ontime2	5234.2461744547	Sum of GTIs [s]
ontime3	5243.9678905606	Sum of GTIs [s]
ontime6	5768.8114355505	Sum of GTIs [s]
ontime7	7499.6562163532	Sum of GTIs [s]
l2events	1085867	Number of level 2 events

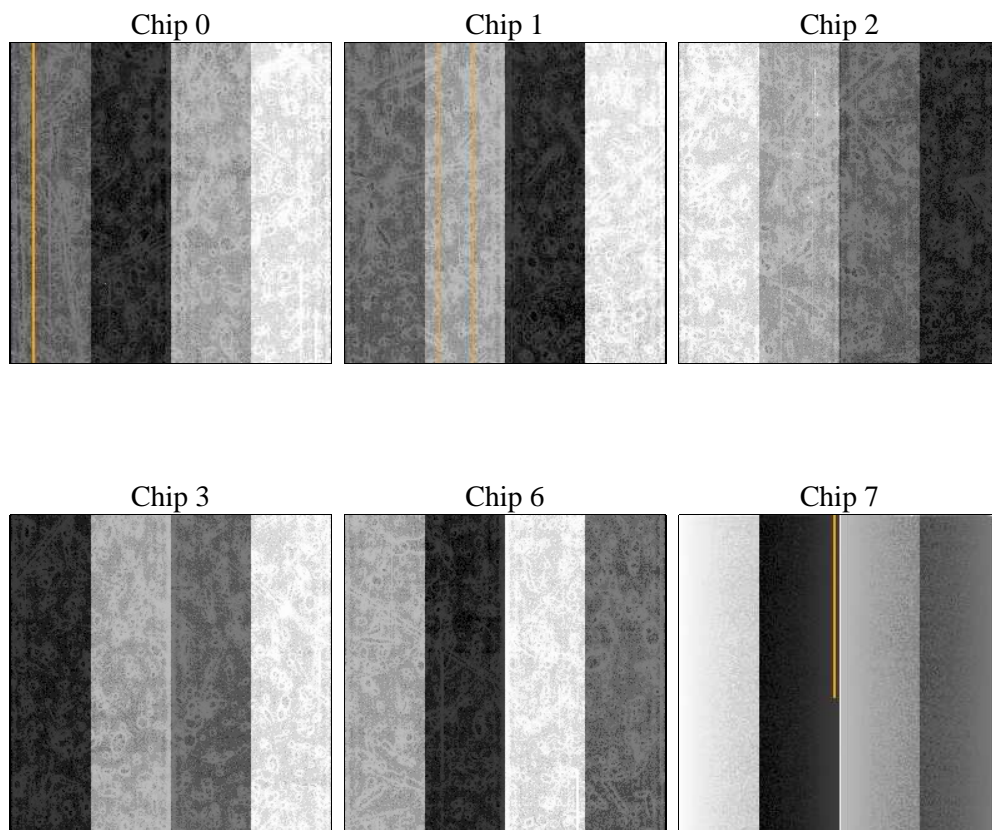
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7499.6562163532	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	5418.9089672267	Sum of GTIs [s]
date	2012-11-13T13:14:20	Date and time of file creation	ontime1	5535.6564619839	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	5234.2461744547	Sum of GTIs [s]
			ontime3	5243.9678905606	Sum of GTIs [s]
			ontime6	5768.8114355505	Sum of GTIs [s]
			ontime7	7499.6562163532	Sum of GTIs [s]
			l1events	1363977	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	208958	212953	203477	205992	231757	300840	grade 0 events	95619	97257	94562	94614	105241	63135
rejected events	35615	35641	35409	37347	38621	42468		45%	45%	46%	45%	45%	20%
rejected %	17%	16%	17%	18%	16%	14%	grade 1 events	524	508	612	552	527	186
								0%	0%	0%	0%	0%	0%
							grade 2 events	30344	31437	28180	28843	33036	56739
								14%	14%	13%	14%	14%	18%
							grade 3 events	11224	11244	10935	11133	12009	25952
								5%	5%	5%	5%	5%	8%
							grade 4 events	11254	11304	10885	11031	12057	25670
								5%	5%	5%	5%	5%	8%
							grade 5 events	2356	2336	2197	2384	2599	7587
								1%	1%	1%	1%	1%	2%
							grade 6 events	25001	26159	23721	23134	30923	87117
								11%	12%	11%	11%	13%	28%
							grade 7 events	32636	32708	32385	34301	35365	34454
								15%	15%	15%	16%	15%	11%

## 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	161.9873278809346	Alternating exposures requested	N	N
[deg] Pointing Dec	0	21.97390179720215	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	212.7815163230616			
[mm] SIM focus pos	-0.782348	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	195594239.960406	195594238.9354			
Observation start date	2004-03-13T19:44:00	2004-03-13T19:43:58			
[s] Observation end time (MET)	195614590.311299	195614589.2863			
Observation end date	2004-03-14T01:23:10	2004-03-14T01:23:09			
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)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4996562163532

### A.2 Comments