

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54834 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 24 2012

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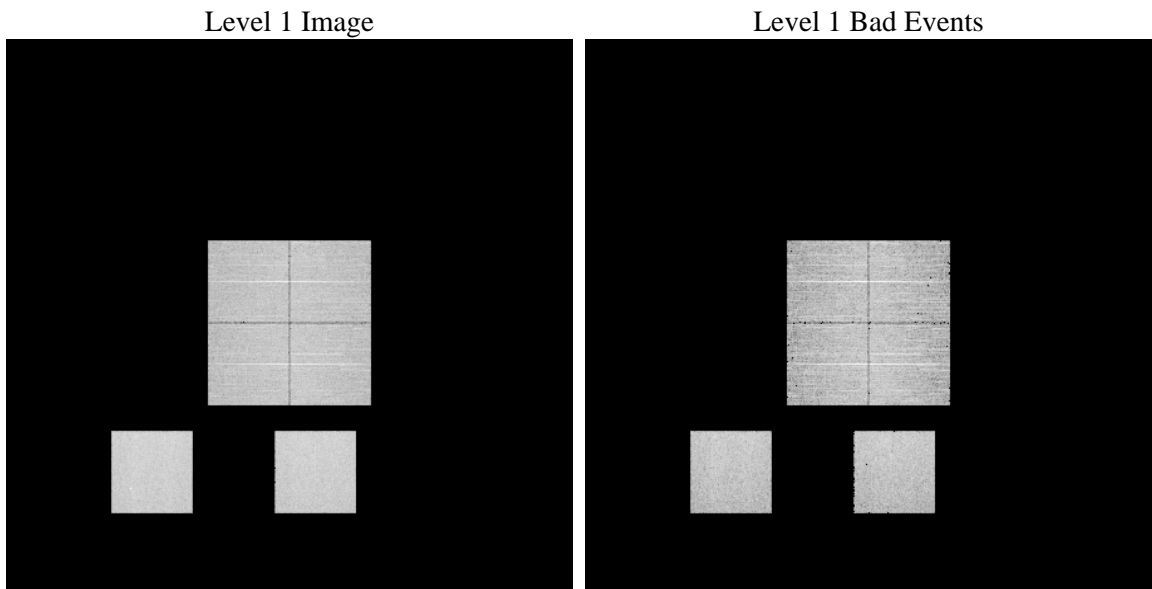
# 1 Front

seq_num	&#160	Sequence number
obs_id	54834	Observation id
title	ACIS-012357 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	33.761741490873	Nominal RA [deg]
dec_nom	1.1638357598675	Nominal Dec [deg]
roll_nom	282.33607651872	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime0	8281.5999692082	Sum of GTIs [s]
ontime1	8281.5999692082	Sum of GTIs [s]
ontime2	8281.5999692082	Sum of GTIs [s]
ontime3	8281.5999692082	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
l2events	299463	Number of level 2 events

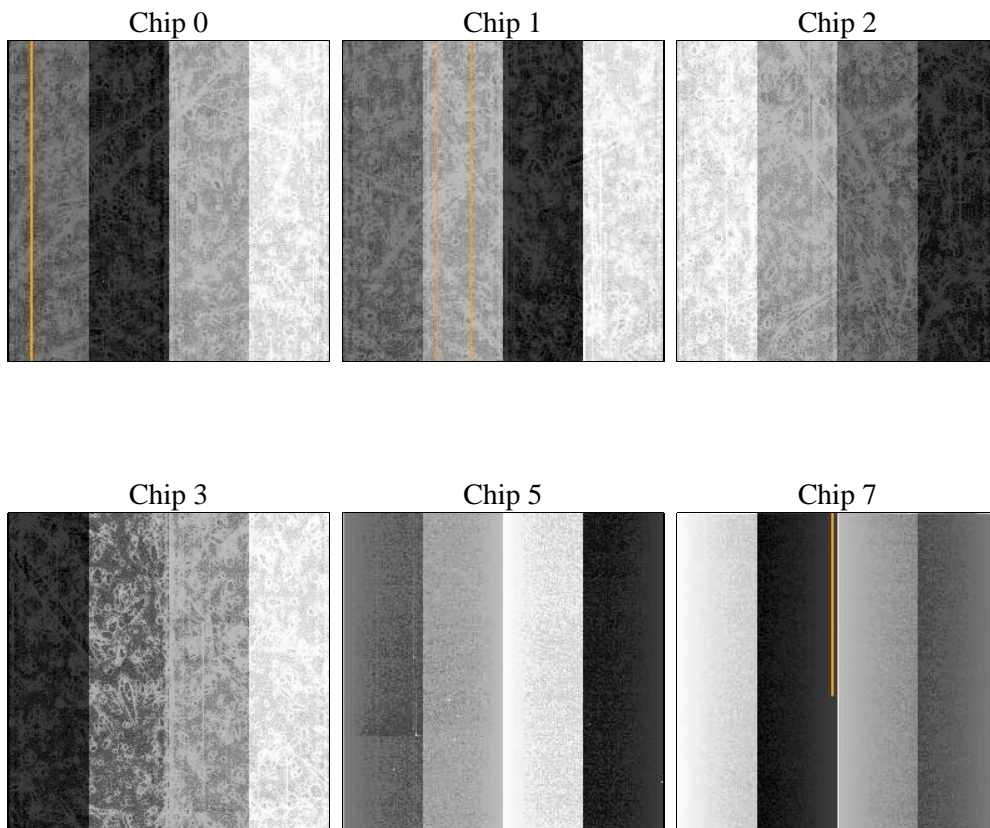
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8281.5999692082	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8281.5999692082	Sum of GTIs [s]
date	2012-02-25T00:14:01	Date and time of file creation	ontime1	8281.5999692082	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8281.5999692082	Sum of GTIs [s]
			ontime3	8281.5999692082	Sum of GTIs [s]
			ontime5	8281.5999692082	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			l1events	637208	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	91889	92873	94062	98021	132600	127763	grade 0 events	22154	21359	22654	22458	7100	11171
rejected events	49575	50069	51684	55982	58824	57041		24%	22%	24%	22%	5%	8%
rejected %	53%	53%	54%	57%	44%	44%	grade 1 events	125	94	136	133	160	128
								0%	0%	0%	0%	0%	0%
							grade 2 events	7943	8820	7549	7453	27175	15373
								8%	9%	8%	7%	20%	12%
							grade 3 events	2849	2793	3024	2935	2603	6112
								3%	3%	3%	2%	1%	4%
							grade 4 events	2809	2792	2837	2965	2526	6012
								3%	3%	3%	3%	1%	4%
							grade 5 events	3279	3240	3106	3621	6934	8528
								3%	3%	3%	3%	5%	6%
							grade 6 events	6577	7056	6335	6238	34395	32076
								7%	7%	6%	6%	25%	25%
							grade 7 events	46153	46719	48421	52218	51707	48363
								50%	50%	51%	53%	38%	37%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	33.7617414908727	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	1.163835759867522	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	282.3360765187169	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	446457998.819168	446457997.79417			
Observation start date	2012-02-24T08:06:39	2012-02-24T08:06:37			
[s] Observation end time (MET)	446468687.519734	446468686.49473			
Observation end date	2012-02-24T11:04:48	2012-02-24T11:04:46			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

### A.2 Comments