

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54809 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Mar 6 2012

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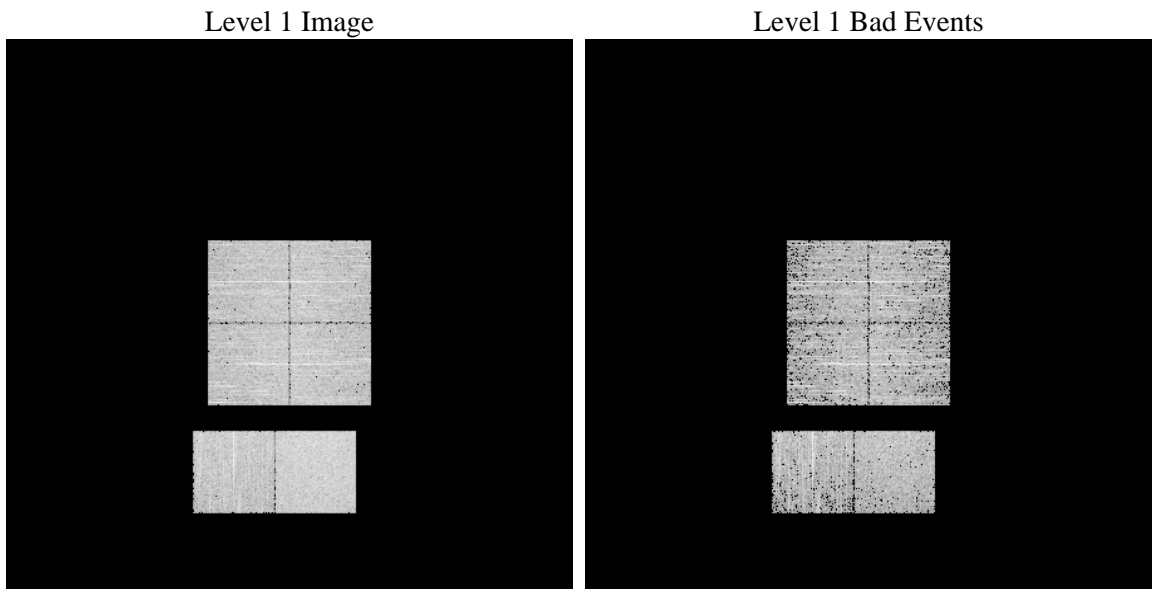
# 1 Front

seq_num	&#160	Sequence number
obs_id	54809	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	202.98495637061	Nominal RA [deg]
dec_nom	6.0245465585292	Nominal Dec [deg]
roll_nom	88.402103576594	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3288.5722633004	Sum of GTIs [s]
livetime	3246.930381162	Livetime [s]
ontime0	3288.5312232971	Sum of GTIs [s]
ontime1	3288.4901832938	Sum of GTIs [s]
ontime2	3288.4491432905	Sum of GTIs [s]
ontime3	3288.6133033037	Sum of GTIs [s]
ontime6	3288.4081032872	Sum of GTIs [s]
ontime7	3288.5722633004	Sum of GTIs [s]
l2events	106320	Number of level 2 events

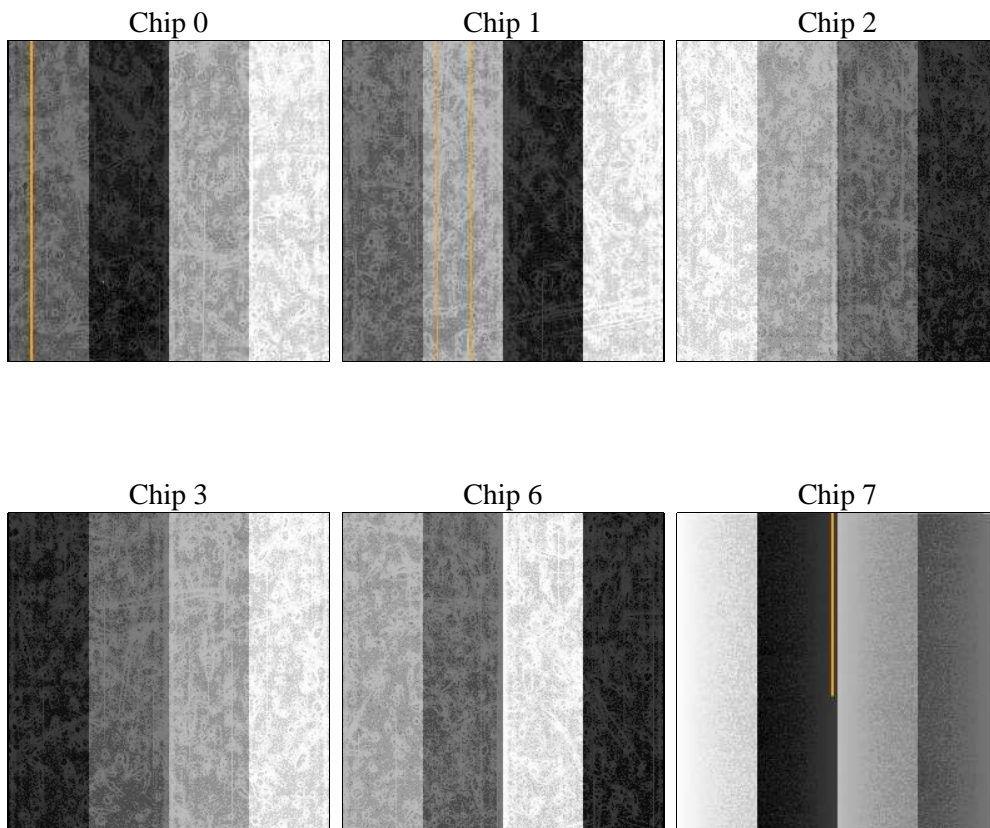
## 2 OBI

### 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	3288.5722633004	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	3288.5312232971	Sum of GTIs [s]
date	2012-03-06T06:59:03	Date and time of file creation	ontime1	3288.4901832938	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3288.4491432905	Sum of GTIs [s]
			ontime3	3288.6133033037	Sum of GTIs [s]
			ontime6	3288.4081032872	Sum of GTIs [s]
			ontime7	3288.5722633004	Sum of GTIs [s]
			l1events	243242	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	37134	38392	38120	39232	39802	50562	grade 0 events	8752	8474	8986	8943	8948	4429
rejected events	20416	21668	21325	22365	22170	22835		23%	22%	23%	22%	22%	8%
rejected %	54%	56%	55%	57%	55%	45%	grade 1 events	50	39	66	67	55	30
								0%	0%	0%	0%	0%	0%
							grade 2 events	3153	3366	2952	2973	3384	6239
								8%	8%	7%	7%	8%	12%
							grade 3 events	1132	1111	1176	1201	1129	2439
								3%	2%	3%	3%	2%	4%
							grade 4 events	1135	1064	1167	1213	1179	2328
								3%	2%	3%	3%	2%	4%
							grade 5 events	1336	1365	1202	1436	1377	3422
								3%	3%	3%	3%	3%	6%
							grade 6 events	2546	2709	2514	2537	2992	12292
								6%	7%	6%	6%	7%	24%
							grade 7 events	19030	20264	20057	20862	20738	19383
								51%	52%	52%	53%	52%	38%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	202.984956370605	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	6.024546558529211	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	88.40210357659367	[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)	447345091.266209	447345090.24121			
Observation start date	2012-03-05T14:31:31	2012-03-05T14:31:30			
[s] Observation end time (MET)	447357573.716871	447357572.69187			
Observation end date	2012-03-05T17:59:34	2012-03-05T17:59:32			
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)	2012.03.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2885722633004

### A.2 Comments