

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55309 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 18 2012

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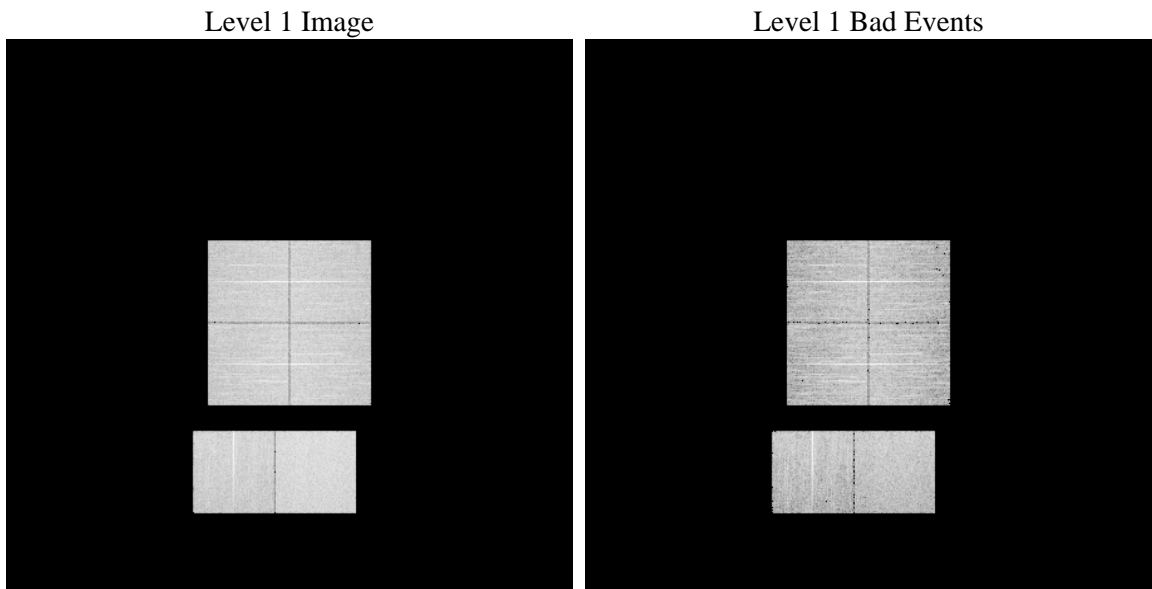
# 1 Front

seq_num	&#160	Sequence number
obs_id	55309	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	262.98588444113	Nominal RA [deg]
dec_nom	-5.0214812560244	Nominal Dec [deg]
roll_nom	224.02466287423	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8290.8815669417	Sum of GTIs [s]
livetime	8185.8974323716	Livetime [s]
ontime0	8290.8405269384	Sum of GTIs [s]
ontime1	8290.7994869351	Sum of GTIs [s]
ontime2	8290.7584469318	Sum of GTIs [s]
ontime3	8290.922606945	Sum of GTIs [s]
ontime6	8290.7174069285	Sum of GTIs [s]
ontime7	8290.8815669417	Sum of GTIs [s]
l2events	306056	Number of level 2 events

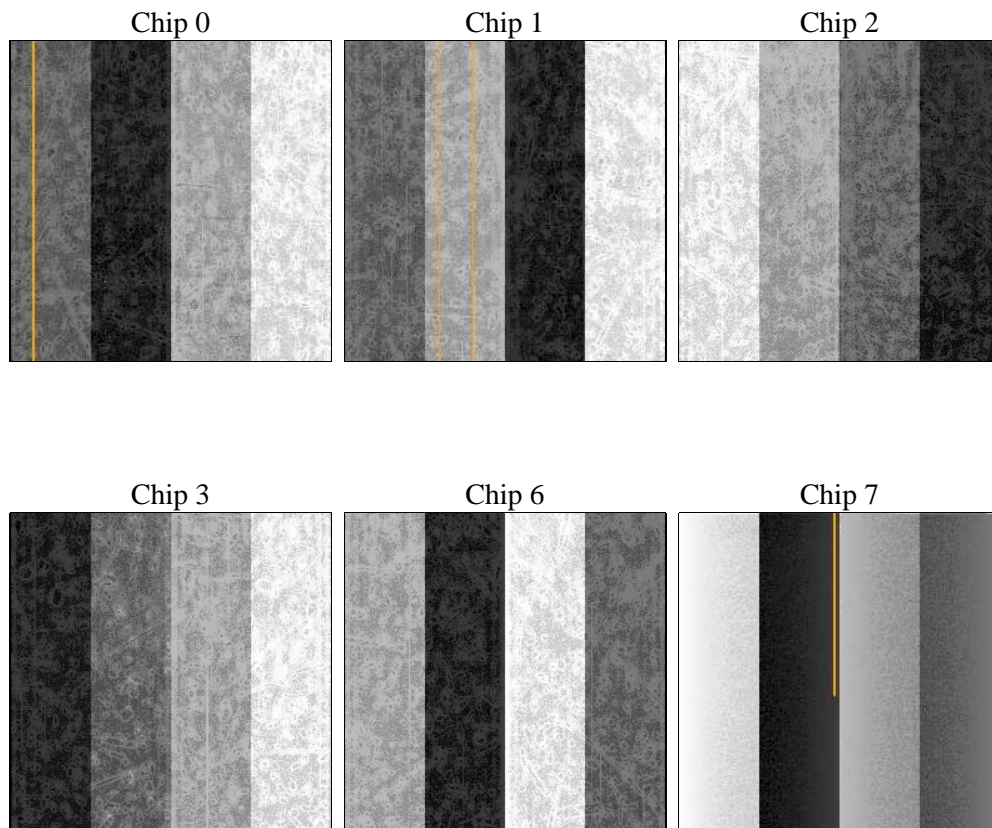
## 2 OBI

### 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	8290.8815669417	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8290.8405269384	Sum of GTIs [s]
date	2012-03-18T18:58:16	Date and time of file creation	ontime1	8290.7994869351	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8290.7584469318	Sum of GTIs [s]
			ontime3	8290.922606945	Sum of GTIs [s]
			ontime6	8290.7174069285	Sum of GTIs [s]
			ontime7	8290.8815669417	Sum of GTIs [s]
			l1events	645946	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	100073	100277	102818	103206	104813	134759	grade 0 events	25857	25248	26317	26282	26030	13404
rejected events	51130	51016	54074	54473	54200	57201		25%	25%	25%	25%	24%	9%
rejected %	51%	50%	52%	52%	51%	42%	grade 1 events	182	129	160	155	140	118
								0%	0%	0%	0%	0%	0%
							grade 2 events	9111	9509	8547	8799	9266	16868
								9%	9%	8%	8%	8%	12%
							grade 3 events	3318	3329	3330	3296	3410	6989
								3%	3%	3%	3%	3%	5%
							grade 4 events	3192	3363	3489	3317	3352	6937
								3%	3%	3%	3%	3%	5%
							grade 5 events	3275	3552	3121	3688	3556	8975
								3%	3%	3%	3%	3%	6%
							grade 6 events	7490	7827	7073	7065	8585	33396
								7%	7%	6%	6%	8%	24%
							grade 7 events	47648	47320	50781	50604	50474	48072
								47%	47%	49%	49%	48%	35%

## 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	262.9858844411332	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-5.021481256024352	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	224.0246628742305	[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)	426088538.2326	426088537.20758			
Observation start date	2011-07-03T13:55:38	2011-07-03T13:55:37			
[s] Observation end time (MET)	426098466.383118	426098465.3581			
Observation end date	2011-07-03T16:41:06	2011-07-03T16:41:05			
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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2908815669417

### A.2 Comments