

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55193 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 22 2012

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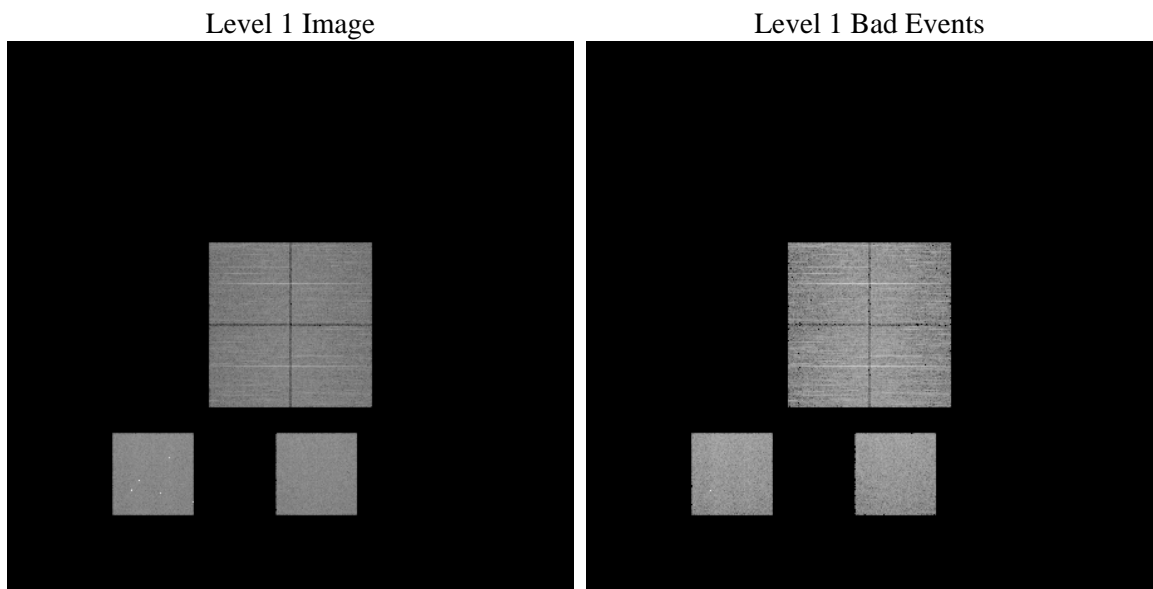
# 1 Front

seq_num	&#160	Sequence number
obs_id	55193	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	345.03031795339	Nominal RA [deg]
dec_nom	-30.987848157533	Nominal Dec [deg]
roll_nom	352.24680466138	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8239.9999693632	Sum of GTIs [s]
livetime	8135.6601282188	Livetime [s]
ontime0	8239.9999693632	Sum of GTIs [s]
ontime1	8239.9605877995	Sum of GTIs [s]
ontime2	8239.9195477962	Sum of GTIs [s]
ontime3	8239.9999693632	Sum of GTIs [s]
ontime5	8239.8785077929	Sum of GTIs [s]
ontime7	8239.9999693632	Sum of GTIs [s]
l2events	320038	Number of level 2 events

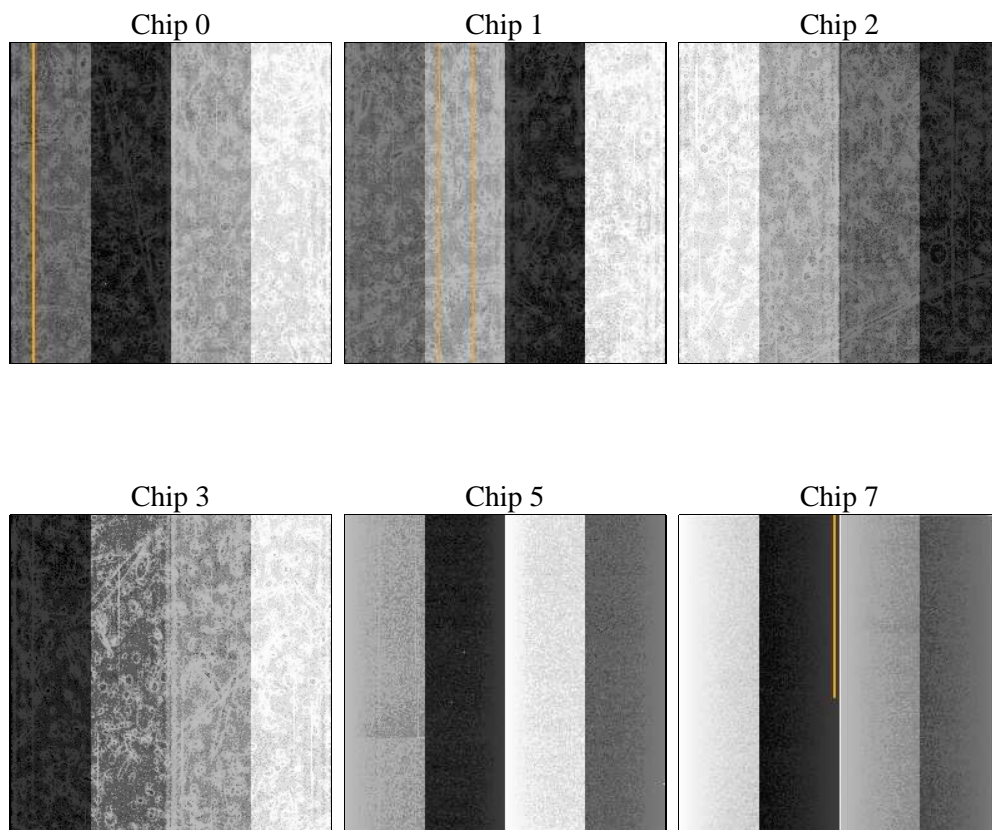
## 2 OBI

### 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	8239.9999693632	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8239.9999693632	Sum of GTIs [s]
date	2012-02-22T09:53:33	Date and time of file creation	ontime1	8239.9605877995	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8239.9195477962	Sum of GTIs [s]
			ontime3	8239.9999693632	Sum of GTIs [s]
			ontime5	8239.8785077929	Sum of GTIs [s]
			ontime7	8239.9999693632	Sum of GTIs [s]
			l1events	659780	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	94907	95001	98240	101359	139655	130618	grade 0 events	24348	23754	24469	25256	13959	12496
rejected events	48667	48552	52433	54582	57450	56309		25%	25%	24%	24%	9%	9%
rejected %	51%	51%	53%	53%	41%	43%	grade 1 events	157	114	147	181	167	117
								0%	0%	0%	0%	0%	0%
							grade 2 events	8500	9008	8124	8196	28350	16092
								8%	9%	8%	8%	20%	12%
							grade 3 events	3219	3176	3168	3182	3350	6759
								3%	3%	3%	3%	2%	5%
							grade 4 events	3114	3133	3226	3242	3114	6584
								3%	3%	3%	3%	2%	5%
							grade 5 events	3288	3346	3116	3676	7556	8815
								3%	3%	3%	3%	5%	6%
							grade 6 events	7089	7394	6844	6920	33454	32405
								7%	7%	6%	6%	23%	24%
							grade 7 events	45192	45076	49146	50706	49705	47350
								47%	47%	50%	50%	35%	36%

## 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	345.0303179533865	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-30.98784815753307	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	352.2468046613848	[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)	432064310.723185	432064309.69819			
Observation start date	2011-09-10T17:51:51	2011-09-10T17:51:49			
[s] Observation end time (MET)	432074441.823716	432074440.79872			
Observation end date	2011-09-10T20:40:42	2011-09-10T20:40:40			
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)	2012.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2399999693632

### A.2 Comments