

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55294 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 18 2012

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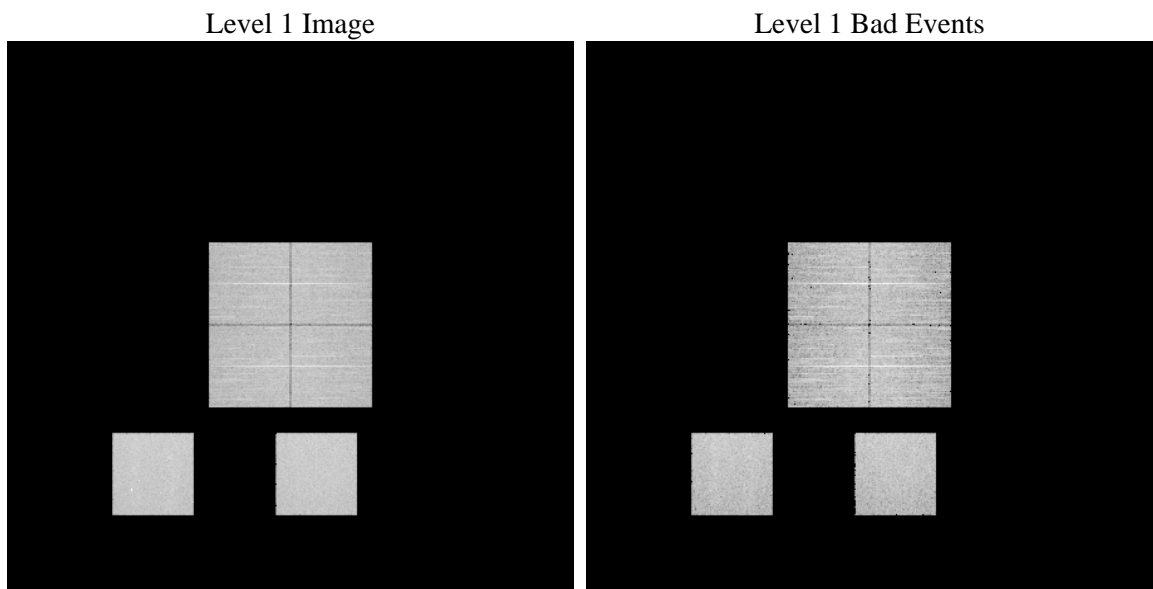
# 1 Front

seq_num	&#160	Sequence number
obs_id	55294	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	264.02657171253	Nominal RA [deg]
dec_nom	-34.518568792567	Nominal Dec [deg]
roll_nom	286.77251978503	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8284.7999691963	Sum of GTIs [s]
livetime	8179.8928434787	Livetime [s]
ontime0	8284.7999691963	Sum of GTIs [s]
ontime1	8284.7999691963	Sum of GTIs [s]
ontime2	8284.7999691963	Sum of GTIs [s]
ontime3	8284.7999691963	Sum of GTIs [s]
ontime5	8284.7999691963	Sum of GTIs [s]
ontime7	8284.7999691963	Sum of GTIs [s]
l2events	329158	Number of level 2 events

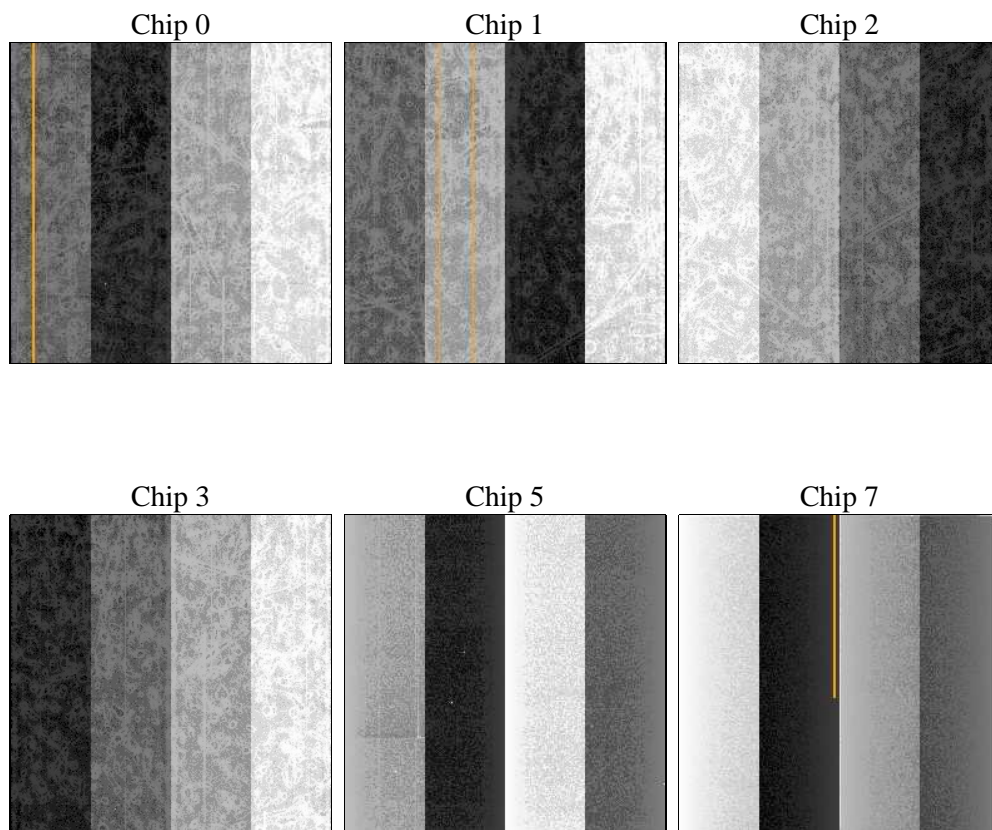
## 2 OBI

### 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	8284.7999691963	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8284.7999691963	Sum of GTIs [s]
date	2012-02-18T05:41:35	Date and time of file creation	ontime1	8284.7999691963	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8284.7999691963	Sum of GTIs [s]
			ontime3	8284.7999691963	Sum of GTIs [s]
			ontime5	8284.7999691963	Sum of GTIs [s]
			ontime7	8284.7999691963	Sum of GTIs [s]
			l1events	673669	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	99113	100523	101711	104504	134481	133337	grade 0 events	25121	24352	25738	26019	8160	12476
rejected events	50985	52076	54192	56364	57422	57238		25%	24%	25%	24%	6%	9%
rejected %	51%	51%	53%	53%	42%	42%	grade 1 events	145	124	165	172	126	115
								0%	0%	0%	0%	0%	0%
							grade 2 events	8992	9901	8159	8356	28462	16725
								9%	9%	8%	7%	21%	12%
							grade 3 events	3277	3112	3256	3248	2926	6473
								3%	3%	3%	3%	2%	4%
							grade 4 events	3198	3234	3257	3355	2690	6371
								3%	3%	3%	3%	2%	4%
							grade 5 events	3206	3221	3040	3606	6732	8431
								3%	3%	2%	3%	5%	6%
							grade 6 events	7552	7877	7129	7189	34847	34077
								7%	7%	7%	6%	25%	25%
							grade 7 events	47622	48702	50967	52559	50538	48669
								48%	48%	50%	50%	37%	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	264.026571712532	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-34.51856879256664	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	286.7725197850272	[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)	427264782.821664	427264781.79671			
Observation start date	2011-07-17T04:39:43	2011-07-17T04:39:41			
[s] Observation end time (MET)	427275793.372237	427275792.34728			
Observation end date	2011-07-17T07:43:13	2011-07-17T07:43:12			
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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2847999691963

### A.2 Comments