

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56434 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 21 2012

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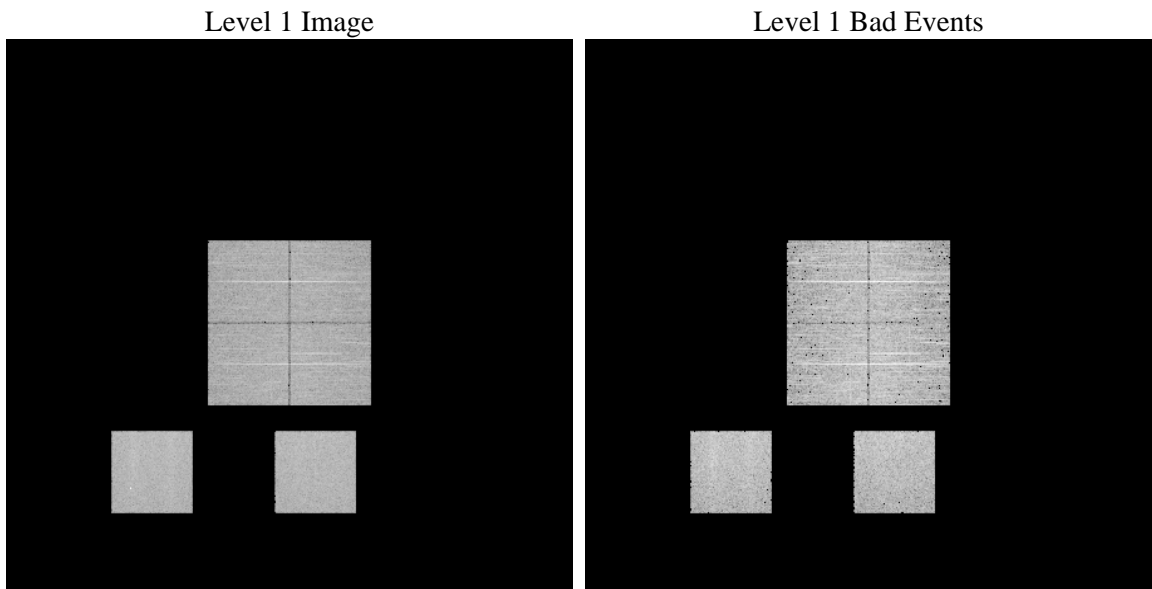
# 1 Front

seq_num	&#160	Sequence number
obs_id	56434	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	134.99842603116	Nominal RA [deg]
dec_nom	25.971253396937	Nominal Dec [deg]
roll_nom	234.12050928962	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4342.398752749	Sum of GTIs [s]
livetime	4287.412685063	Livetime [s]
ontime0	4342.3999838829	Sum of GTIs [s]
ontime1	4342.3999838829	Sum of GTIs [s]
ontime2	4342.3999838829	Sum of GTIs [s]
ontime3	4342.3577127457	Sum of GTIs [s]
ontime5	4342.3999838829	Sum of GTIs [s]
ontime7	4342.398752749	Sum of GTIs [s]
l2events	232349	Number of level 2 events

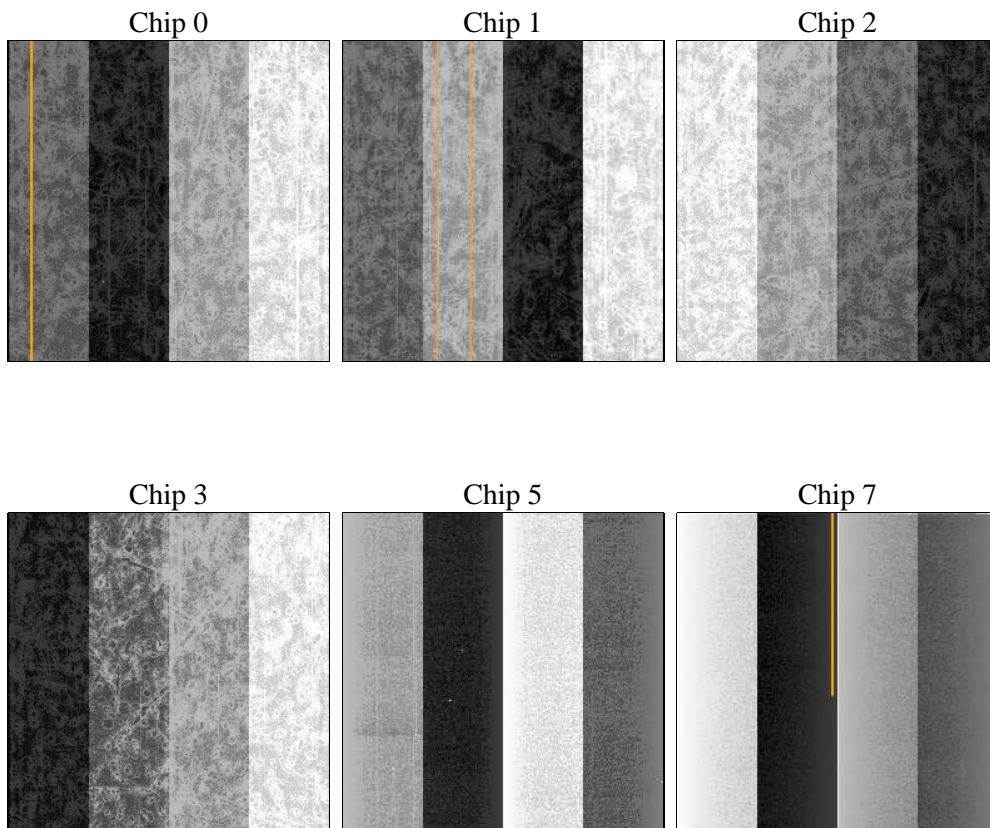
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	4342.398752749	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	4342.3999838829	Sum of GTIs [s]
date	2012-06-21T17:32:13	Date and time of file creation	ontime1	4342.3999838829	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4342.3999838829	Sum of GTIs [s]
			ontime3	4342.3577127457	Sum of GTIs [s]
			ontime5	4342.3999838829	Sum of GTIs [s]
			ontime7	4342.398752749	Sum of GTIs [s]
			l1events	474003	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	70142	70884	73050	76684	92722	90521	grade 0 events	18002	16718	18649	18550	5426	8936
rejected events	35922	36923	39025	42364	38869	37086		25%	23%	25%	24%	5%	9%
rejected %	51%	52%	53%	55%	41%	40%	grade 1 events	107	92	137	131	115	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	6348	7347	5786	5877	20292	12124
								9%	10%	7%	7%	21%	13%
							grade 3 events	2352	2154	2278	2343	2053	4501
								3%	3%	3%	3%	2%	4%
							grade 4 events	2299	2116	2337	2405	1917	4414
								3%	2%	3%	3%	2%	4%
							grade 5 events	1969	1917	2019	2221	4400	5623
								2%	2%	2%	2%	4%	6%
							grade 6 events	5219	5626	4975	5145	24165	23460
								7%	7%	6%	6%	26%	25%
							grade 7 events	33846	34914	36869	40012	34354	31392
								48%	49%	50%	52%	37%	34%

## 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	134.9984260311562	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	25.97125339693665	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	234.1205092896202	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	383169537.175961	383169536.15096			
Observation start date	2010-02-21T19:58:57	2010-02-21T19:58:56			
[s] Observation end time (MET)	383178415.726412	383178414.70141			
Observation end date	2010-02-21T22:26:56	2010-02-21T22:26:54			
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)	2012.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.342398752749

### A.2 Comments