

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56989 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 9 2012

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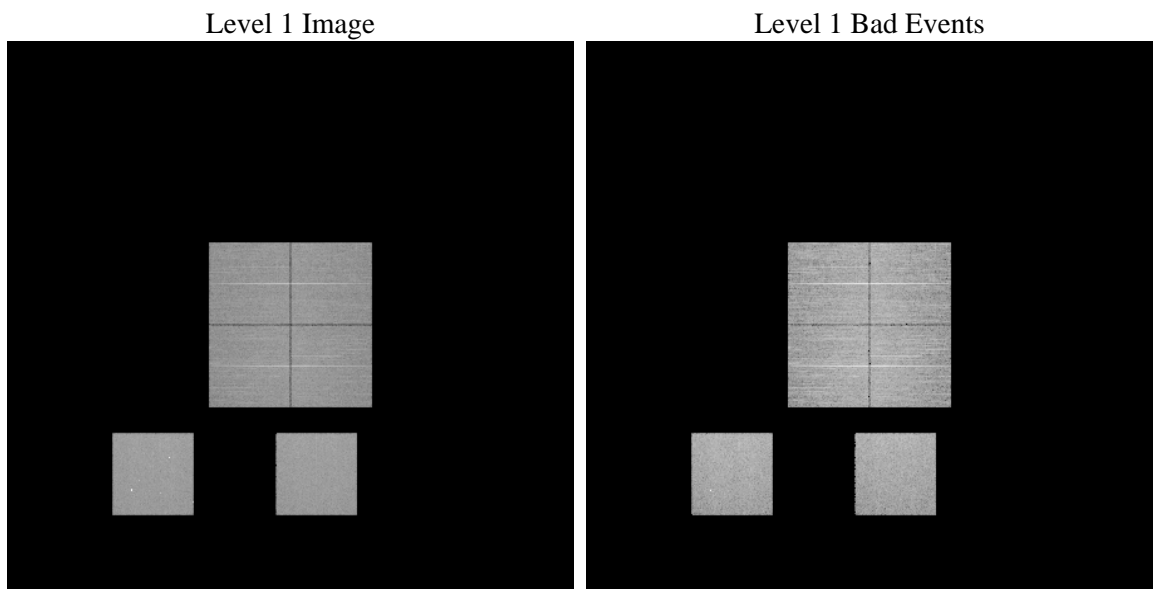
# 1 Front

seq_num	&#160	Sequence number
obs_id	56989	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	95.36694408368	Nominal RA [deg]
dec_nom	-36.610807268239	Nominal Dec [deg]
roll_nom	169.27772508234	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8083.1999699473	Sum of GTIs [s]
livetime	7980.8456248092	Livetime [s]
ontime0	8083.1999699473	Sum of GTIs [s]
ontime1	8083.1999699473	Sum of GTIs [s]
ontime2	8083.1999699473	Sum of GTIs [s]
ontime3	8083.1999699473	Sum of GTIs [s]
ontime5	8083.1999699473	Sum of GTIs [s]
ontime7	8083.1999699473	Sum of GTIs [s]
l2events	500574	Number of level 2 events

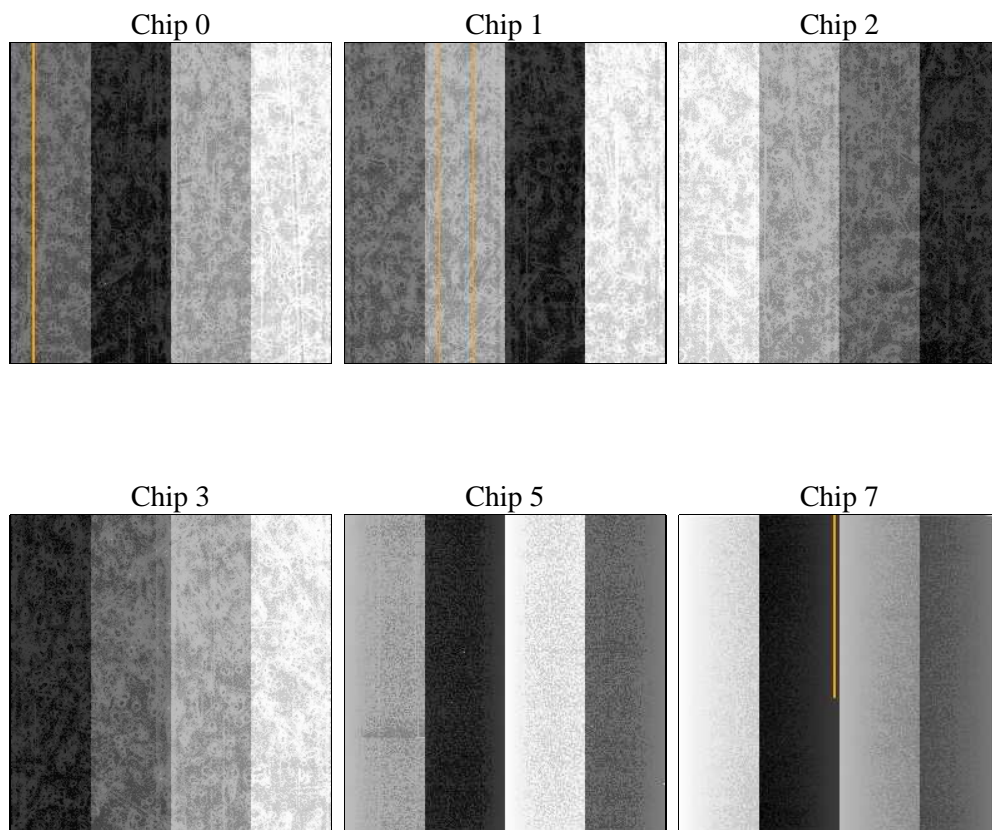
## 2 OBI

### 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	8083.1999699473	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8083.1999699473	Sum of GTIs [s]
date	2012-06-09T23:51:12	Date and time of file creation	ontime1	8083.1999699473	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8083.1999699473	Sum of GTIs [s]
			ontime3	8083.1999699473	Sum of GTIs [s]
			ontime5	8083.1999699473	Sum of GTIs [s]
			ontime7	8083.1999699473	Sum of GTIs [s]
			l1events	985657	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	149099	149141	153410	153816	193021	187170	grade 0 events	40125	40239	40919	41888	18204	21349
rejected events	75139	74060	79540	78481	76699	73682		26%	26%	26%	27%	9%	11%
rejected %	50%	49%	51%	51%	39%	39%	grade 1 events	313	288	327	305	561	182
								0%	0%	0%	0%	0%	0%
							grade 2 events	13753	14402	13236	13552	42380	25135
								9%	9%	8%	8%	21%	13%
							grade 3 events	5150	5149	5449	5316	5516	10962
								3%	3%	3%	3%	2%	5%
							grade 4 events	5191	5125	5182	5299	5422	10670
								3%	3%	3%	3%	2%	5%
							grade 5 events	4178	4308	4017	4602	10101	11548
								2%	2%	2%	2%	5%	6%
							grade 6 events	11499	11989	10918	11013	47555	48020
								7%	8%	7%	7%	24%	25%
							grade 7 events	68890	67641	73362	71841	63282	59304
								46%	45%	47%	46%	32%	31%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	95.36694408367953
[deg] Pointing Dec	0	-36.61080726823876
[deg] Pointing Roll	0.0	169.277725082342
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	363254046.523179	363254046.523179
Observation start date	2009-07-06T07:54:07	2009-07-06T07:54:06
[s] Observation end time (MET)	363263595.068886	363263595.068886
Observation end date	2009-07-06T10:33:15	2009-07-06T10:33:15
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0831999699473

### A.2 Comments