

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56956 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 10 2012

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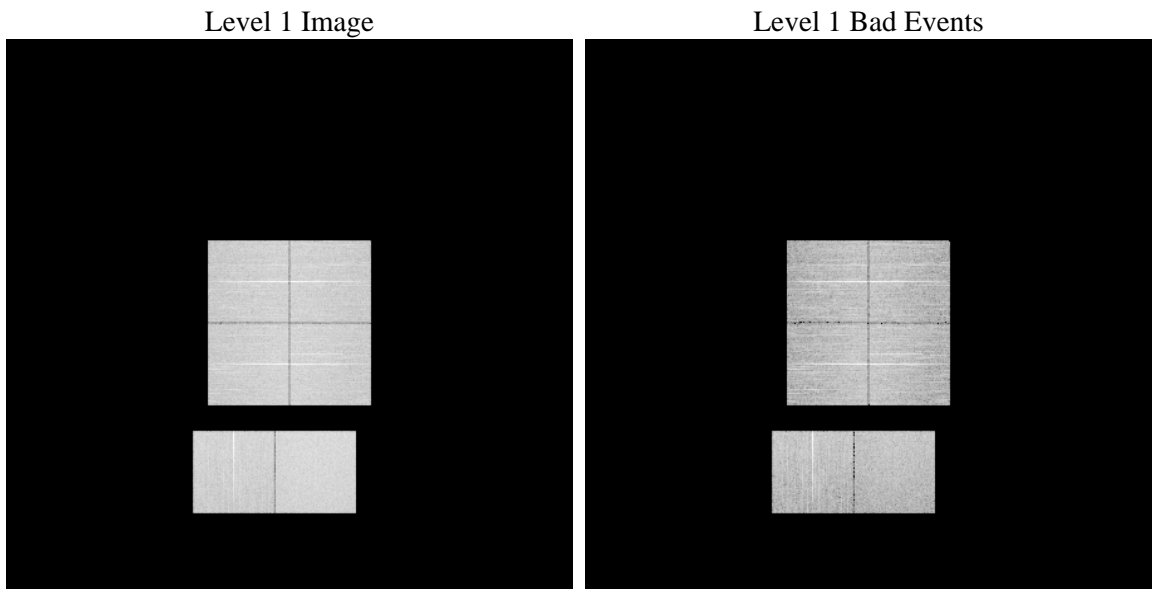
# 1 Front

seq_num	&#160	Sequence number
obs_id	56956	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	298.03230526523	Nominal RA [deg]
dec_nom	-50.979711737914	Nominal Dec [deg]
roll_nom	12.092436103536	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8450.1037731171	Sum of GTIs [s]
livetime	8343.1034711002	Livetime [s]
ontime0	8450.0627331138	Sum of GTIs [s]
ontime1	8450.0216931105	Sum of GTIs [s]
ontime2	8449.9806531072	Sum of GTIs [s]
ontime3	8450.1448131204	Sum of GTIs [s]
ontime6	8449.9396131039	Sum of GTIs [s]
ontime7	8450.1037731171	Sum of GTIs [s]
l2events	487400	Number of level 2 events

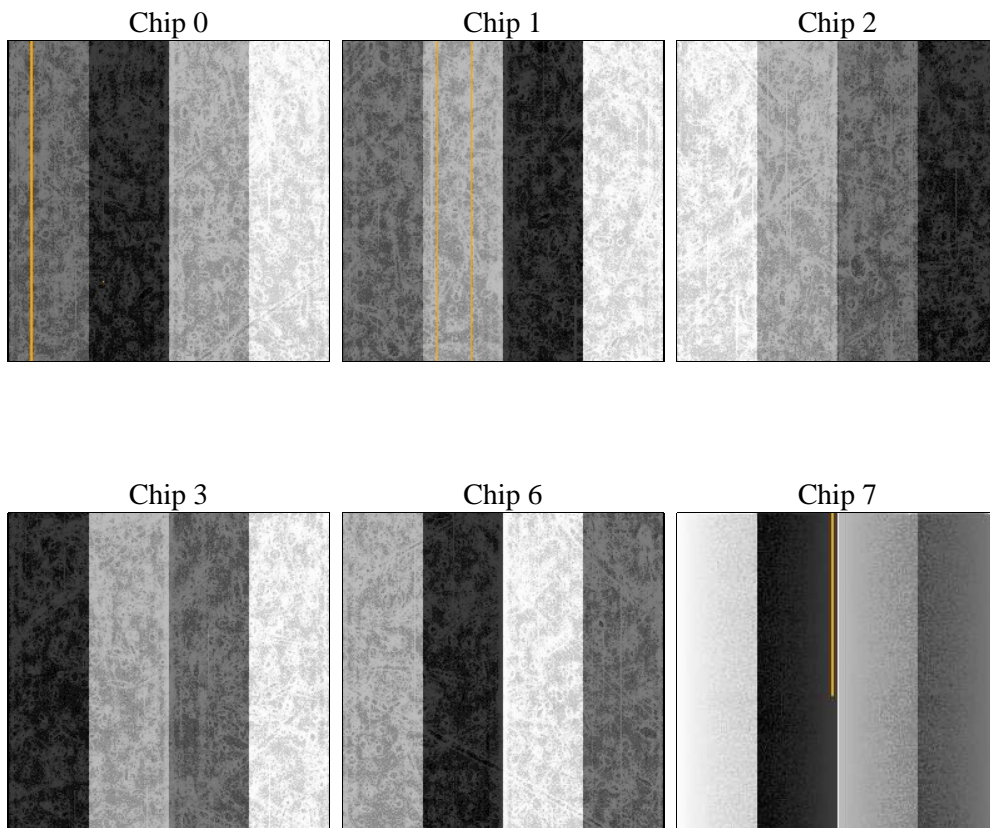
## 2 OBI

### 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	8450.1037731171	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8450.0627331138	Sum of GTIs [s]
date	2012-06-10T12:38:15	Date and time of file creation	ontime1	8450.0216931105	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8449.9806531072	Sum of GTIs [s]
			ontime3	8450.1448131204	Sum of GTIs [s]
			ontime6	8449.9396131039	Sum of GTIs [s]
			ontime7	8450.1037731171	Sum of GTIs [s]
			l1events	977926	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	153606	152513	157933	159266	163297	191311	grade 0 events	42030	40942	42267	42735	42931	21764
rejected events	74524	73863	79513	80192	80829	73434		27%	26%	26%	26%	26%	11%
rejected %	48%	48%	50%	50%	49%	38%	grade 1 events	299	260	366	361	269	158
								0%	0%	0%	0%	0%	0%
							grade 2 events	14505	14931	13640	13820	14879	25433
								9%	9%	8%	8%	9%	13%
							grade 3 events	5353	5222	5412	5502	5510	10837
								3%	3%	3%	3%	3%	5%
							grade 4 events	5282	5238	5596	5497	5295	10638
								3%	3%	3%	3%	3%	5%
							grade 5 events	4175	4429	4014	4646	4615	11854
								2%	2%	2%	2%	2%	6%
							grade 6 events	11945	12352	11527	11556	13886	49255
								7%	8%	7%	7%	8%	25%
							grade 7 events	70017	69139	75111	75149	75912	61372
								45%	45%	47%	47%	46%	32%

## 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	298.032305265232	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-50.97971173791421	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	12.09243610353575	[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	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	363981929.809621	363981928.78462			
Observation start date	2009-07-14T18:05:30	2009-07-14T18:05:28			
[s] Observation end time (MET)	363992110.110131	363992109.08513			
Observation end date	2009-07-14T20:55:10	2009-07-14T20:55:09			
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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4501037731171

### **A.2 Comments**