

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55415 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 11 2012

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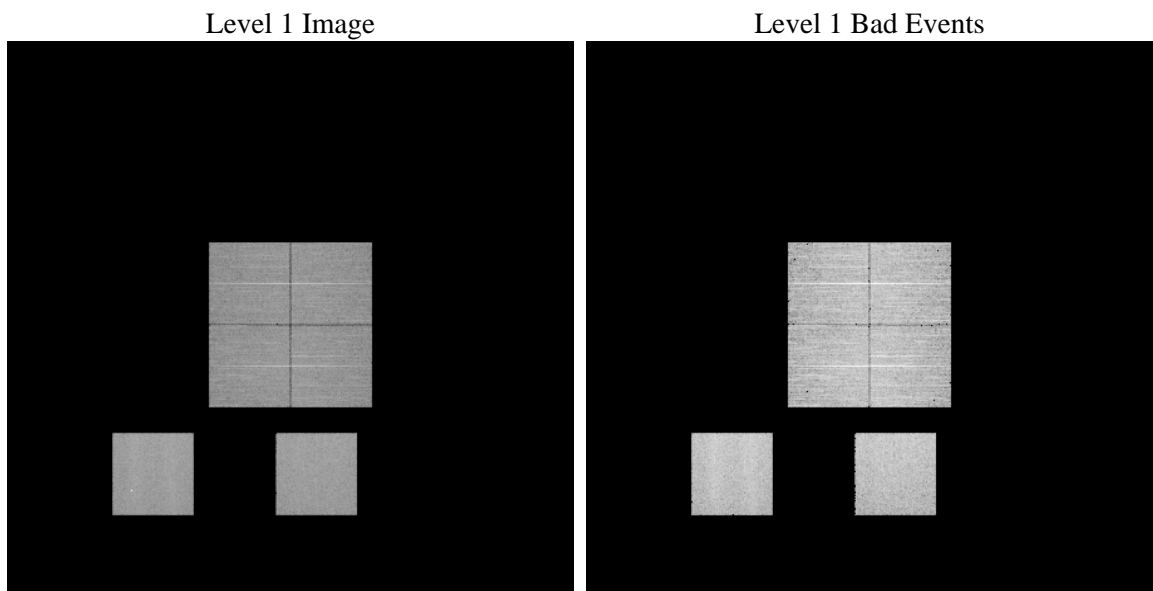
# 1 Front

seq_num	&#160	Sequence number
obs_id	55415	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	216.5989191089	Nominal RA [deg]
dec_nom	-8.7938458701936	Nominal Dec [deg]
roll_nom	239.32167857948	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8278.2655430436	Sum of GTIs [s]
livetime	8173.4411601645	Livetime [s]
ontime0	8274.9835227132	Sum of GTIs [s]
ontime1	8278.183463037	Sum of GTIs [s]
ontime2	8278.1424230337	Sum of GTIs [s]
ontime3	8278.3065830469	Sum of GTIs [s]
ontime5	8278.1013830304	Sum of GTIs [s]
ontime7	8278.2655430436	Sum of GTIs [s]
l2events	333214	Number of level 2 events

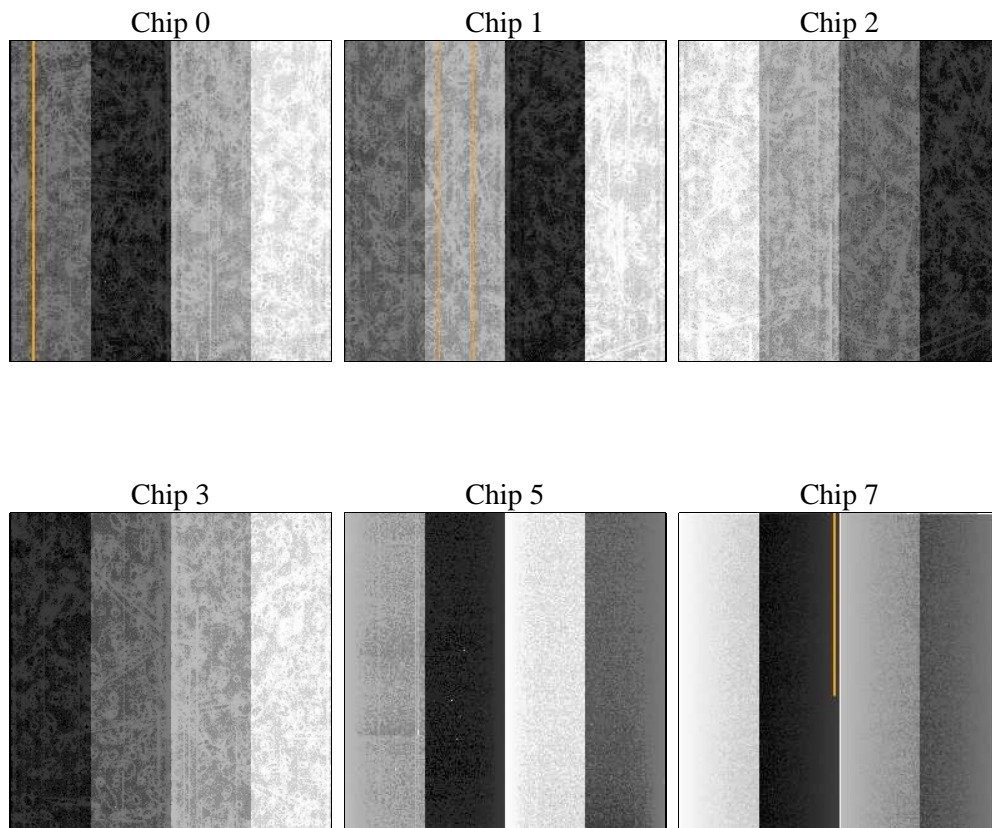
## 2 OBI

### 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	8278.2655430436	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	8274.9835227132	Sum of GTIs [s]
date	2012-02-11T01:15:35	Date and time of file creation	ontime1	8278.183463037	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8278.1424230337	Sum of GTIs [s]
			ontime3	8278.3065830469	Sum of GTIs [s]
			ontime5	8278.1013830304	Sum of GTIs [s]
			ontime7	8278.2655430436	Sum of GTIs [s]
			l1events	720680	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	105237	108135	109218	111773	145699	140618	grade 0 events	23174	20264	24413	25070	7076	12095
rejected events	57335	60269	61828	63364	65433	62634		22%	18%	22%	22%	4%	8%
rejected %	54%	55%	56%	56%	44%	44%	grade 1 events	99	78	132	135	207	107
								0%	0%	0%	0%	0%	0%
							grade 2 events	11104	13895	9342	9562	28622	16919
								10%	12%	8%	8%	19%	12%
							grade 3 events	2922	2640	3120	3112	3069	6593
								2%	2%	2%	2%	2%	4%
							grade 4 events	2819	2543	3011	3158	2866	6244
								2%	2%	2%	2%	1%	4%
							grade 5 events	2992	2991	2746	3450	6645	8441
								2%	2%	2%	3%	4%	6%
							grade 6 events	7906	8542	7515	7528	38659	36161
								7%	7%	6%	6%	26%	25%
							grade 7 events	54221	57182	58939	59758	58555	54058
								51%	52%	53%	53%	40%	38%

## 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	216.5989191089	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-8.793845870193625	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	239.3216785794795	[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)	422463641.944033	422463640.91902			
Observation start date	2011-05-22T15:00:42	2011-05-22T15:00:40			
[s] Observation end time (MET)	422475572.944653	422475571.91964			
Observation end date	2011-05-22T18:19:33	2011-05-22T18:19:31			
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)	2012.02.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2782655430436

### A.2 Comments