

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55753 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 1 2012

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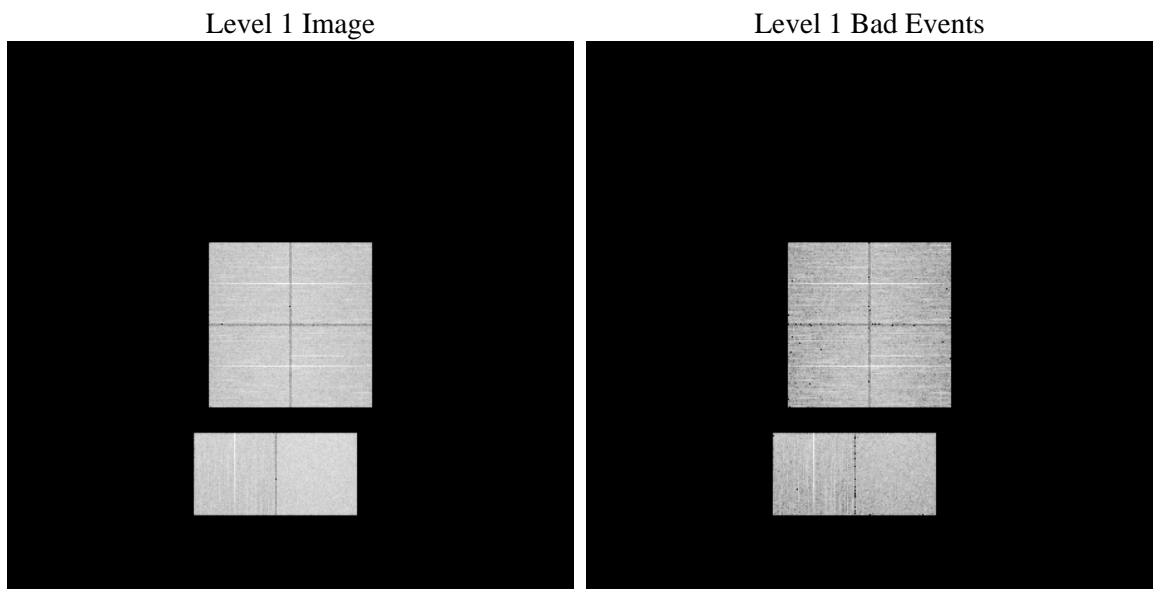
# 1 Front

seq_num	&#160	Sequence number
obs_id	55753	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	222.9653292537	Nominal RA [deg]
dec_nom	-55.978859613421	Nominal Dec [deg]
roll_nom	99.572203484626	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7382.399972558	Sum of GTIs [s]
livetime	7288.9195789579	Livetime [s]
ontime0	7382.399972558	Sum of GTIs [s]
ontime1	7382.399972558	Sum of GTIs [s]
ontime2	7382.399972558	Sum of GTIs [s]
ontime3	7382.399972558	Sum of GTIs [s]
ontime6	7382.399972558	Sum of GTIs [s]
ontime7	7382.399972558	Sum of GTIs [s]
l2events	307958	Number of level 2 events

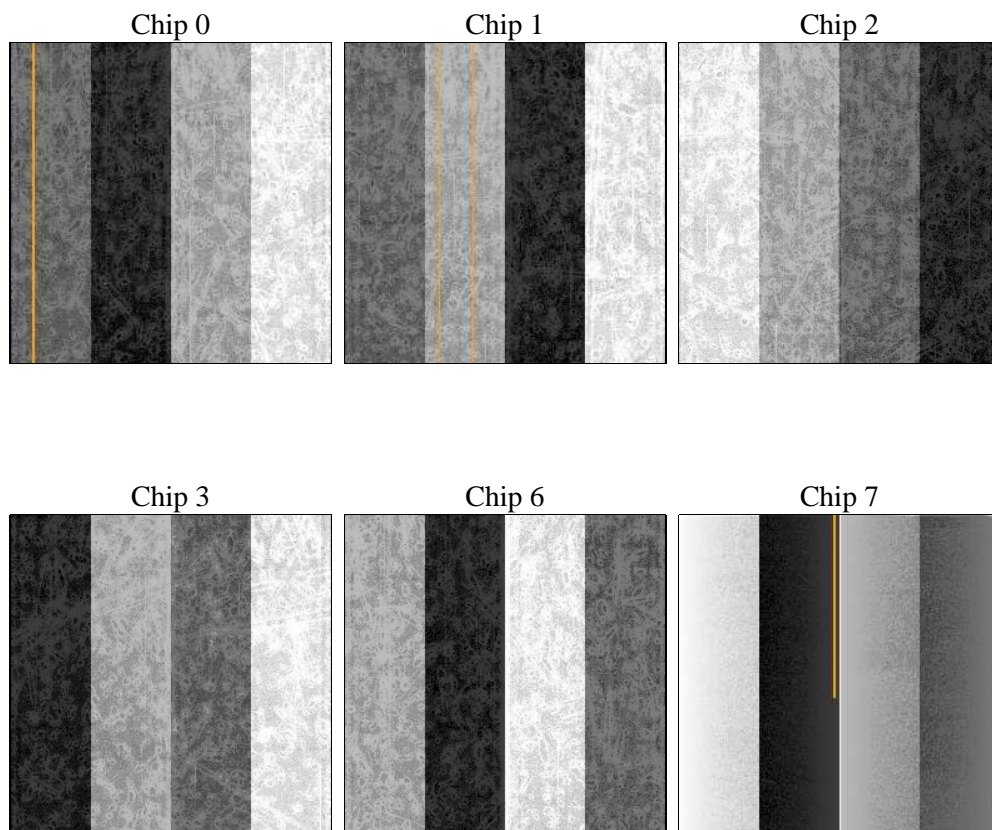
## 2 OBI

### 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	7382.399972558	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	7382.399972558	Sum of GTIs [s]
date	2012-02-01T10:25:27	Date and time of file creation	ontime1	7382.399972558	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	7382.399972558	Sum of GTIs [s]
			ontime3	7382.399972558	Sum of GTIs [s]
			ontime6	7382.399972558	Sum of GTIs [s]
			ontime7	7382.399972558	Sum of GTIs [s]
			l1events	655105	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	101310	100603	103985	105918	107071	136218	grade 0 events	25787	25110	26397	26613	26245	13375
rejected events	52329	51592	55111	56333	56073	57500		25%	24%	25%	25%	24%	9%
rejected %	51%	51%	52%	53%	52%	42%	grade 1 events	179	145	211	169	148	115
								0%	0%	0%	0%	0%	0%
							grade 2 events	8918	9441	8641	8883	9417	16942
								8%	9%	8%	8%	8%	12%
							grade 3 events	3355	3307	3331	3371	3353	7138
								3%	3%	3%	3%	3%	5%
							grade 4 events	3296	3270	3320	3425	3294	7077
								3%	3%	3%	3%	3%	5%
							grade 5 events	3284	3327	3104	3674	3503	9131
								3%	3%	2%	3%	3%	6%
							grade 6 events	7647	7900	7204	7335	8710	34224
								7%	7%	6%	6%	8%	25%
							grade 7 events	48844	48103	51777	52448	52401	48216
								48%	47%	49%	49%	48%	35%

## 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	222.9653292536985	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-55.97885961342082	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	99.57220348462585	[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)	410585762.978603	410585761.9536			
Observation start date	2011-01-05T03:36:03	2011-01-05T03:36:01			
[s] Observation end time (MET)	410594795.279069	410594794.25406			
Observation end date	2011-01-05T06:06:35	2011-01-05T06:06:34			
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)	2012.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.382399972558

### A.2 Comments