

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54961 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 29 2012

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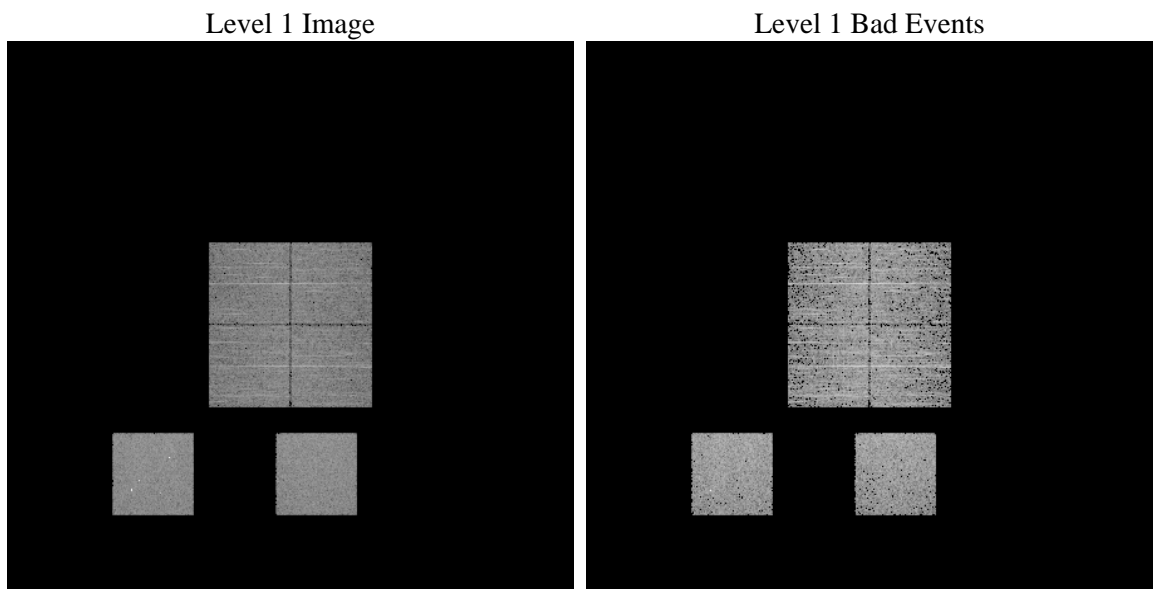
# 1 Front

seq_num	&#160	Sequence number
obs_id	54961	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	69.016364739269	Nominal RA [deg]
dec_nom	26.975143577444	Nominal Dec [deg]
roll_nom	267.55675005635	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3254.399987936	Sum of GTIs [s]
livetime	3213.1908157244	Livetime [s]
ontime0	3254.399987936	Sum of GTIs [s]
ontime1	3254.399987936	Sum of GTIs [s]
ontime2	3254.399987936	Sum of GTIs [s]
ontime3	3254.399987936	Sum of GTIs [s]
ontime5	3254.399987936	Sum of GTIs [s]
ontime7	3254.399987936	Sum of GTIs [s]
l2events	123189	Number of level 2 events

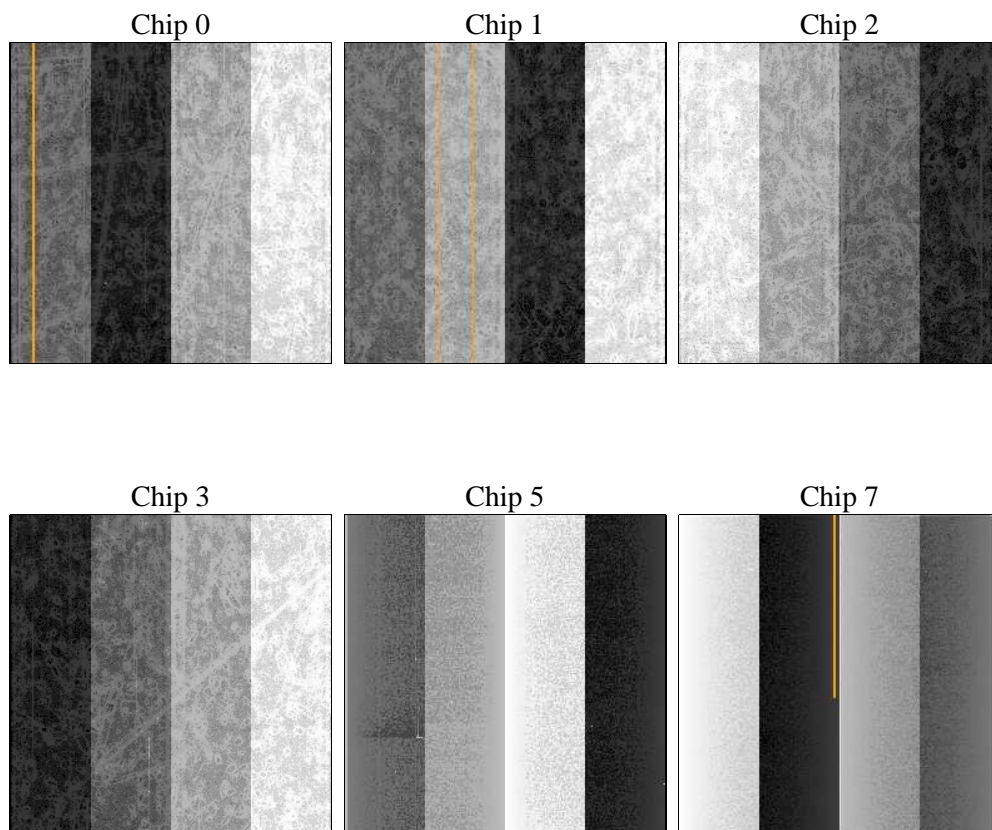
## 2 OBI

### 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	3254.399987936	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	3254.399987936	Sum of GTIs [s]
date	2012-02-29T15:09:31	Date and time of file creation	ontime1	3254.399987936	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3254.399987936	Sum of GTIs [s]
			ontime3	3254.399987936	Sum of GTIs [s]
			ontime5	3254.399987936	Sum of GTIs [s]
			ontime7	3254.399987936	Sum of GTIs [s]
			l1events	263894	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	37522	36957	40169	39685	56529	53032	grade 0 events	9033	8908	9360	9602	4948	4879
rejected events	20276	19550	22818	22128	24209	23623		24%	24%	23%	24%	8%	9%
rejected %	54%	52%	56%	55%	42%	44%	grade 1 events	52	37	56	63	64	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	3270	3400	3119	3098	11330	6386
								8%	9%	7%	7%	20%	12%
							grade 3 events	1227	1232	1243	1241	1329	2727
								3%	3%	3%	3%	2%	5%
							grade 4 events	1174	1256	1250	1144	1184	2693
								3%	3%	3%	2%	2%	5%
							grade 5 events	1433	1317	1295	1448	3022	3639
								3%	3%	3%	3%	5%	6%
							grade 6 events	2710	2772	2546	2640	13859	13036
								7%	7%	6%	6%	24%	24%
							grade 7 events	18623	18035	21300	20449	20793	19629
								49%	48%	53%	51%	36%	37%

## 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	69.01636473926889	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	26.97514357744418	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	267.5567500563535	[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)	441403489.851828	441403488.82682			
Observation start date	2011-12-27T20:04:50	2011-12-27T20:04:48			
[s] Observation end time (MET)	441408141.302074	441408140.27706			
Observation end date	2011-12-27T21:22:21	2011-12-27T21:22:20			
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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.254399987936

### A.2 Comments