

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55696 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 2 2012

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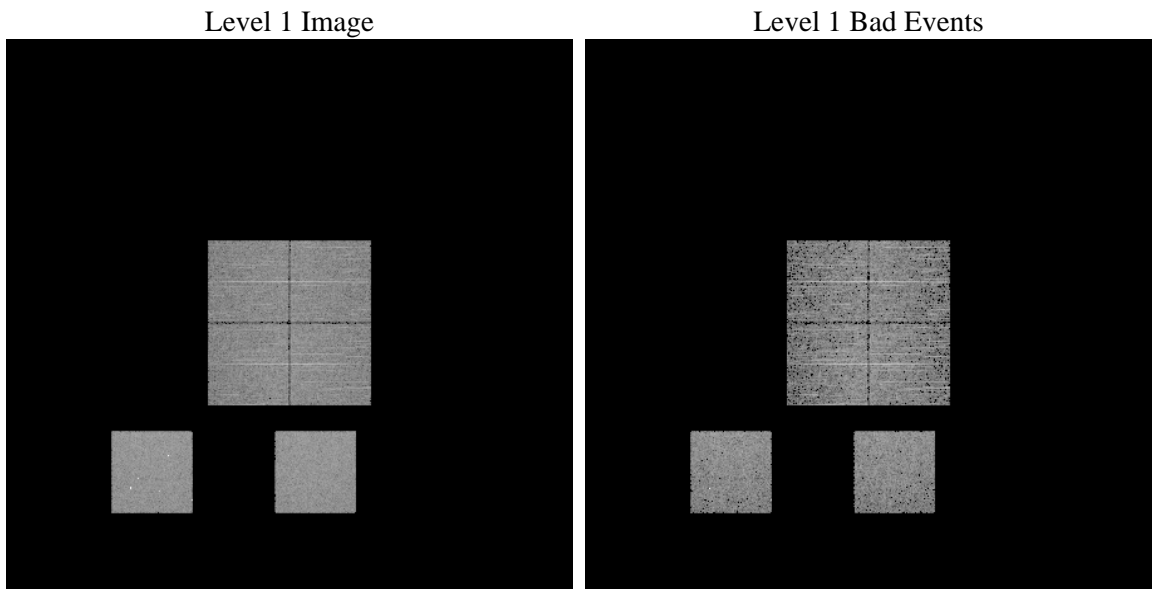
# 1 Front

seq_num	&#160	Sequence number
obs_id	55696	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	143.96506653949	Nominal RA [deg]
dec_nom	37.207296924693	Nominal Dec [deg]
roll_nom	132.35748587104	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3283.1999878287	Sum of GTIs [s]
livetime	3241.6261326772	Livetime [s]
ontime0	3283.1999878287	Sum of GTIs [s]
ontime1	3283.1999878287	Sum of GTIs [s]
ontime2	3283.1999878287	Sum of GTIs [s]
ontime3	3283.1999878287	Sum of GTIs [s]
ontime5	3283.1999878287	Sum of GTIs [s]
ontime7	3283.1999878287	Sum of GTIs [s]
l2events	149257	Number of level 2 events

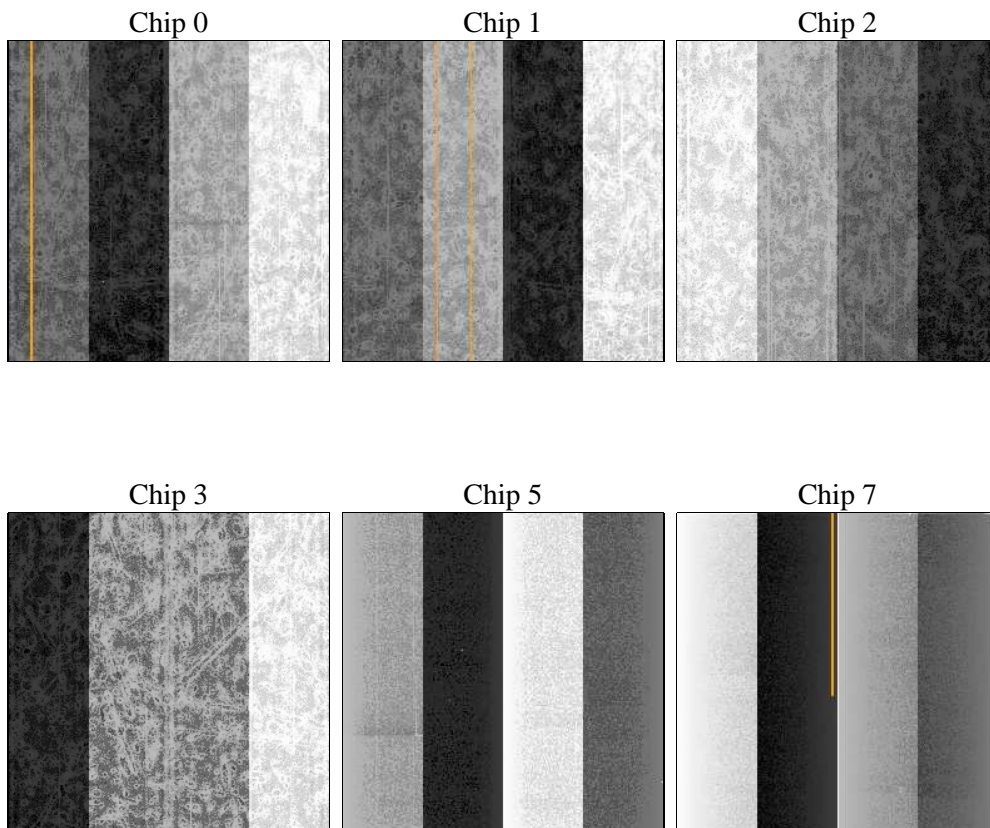
## 2 OBI

### 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	3283.1999878287	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	3283.1999878287	Sum of GTIs [s]
date	2012-02-02T23:30:54	Date and time of file creation	ontime1	3283.1999878287	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3283.1999878287	Sum of GTIs [s]
			ontime3	3283.1999878287	Sum of GTIs [s]
			ontime5	3283.1999878287	Sum of GTIs [s]
			ontime7	3283.1999878287	Sum of GTIs [s]
			l1events	304701	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	43371	44387	45471	47652	63741	60079	grade 0 events	11243	11013	11580	11728	5654	5871
rejected events	21838	22946	24175	25860	26510	25065		25%	24%	25%	24%	8%	9%
rejected %	50%	51%	53%	54%	41%	41%	grade 1 events	67	69	84	87	220	65
								0%	0%	0%	0%	0%	0%
							grade 2 events	3959	4211	3747	3881	12985	7656
								9%	9%	8%	8%	20%	12%
							grade 3 events	1493	1463	1441	1526	1541	3142
								3%	3%	3%	3%	2%	5%
							grade 4 events	1443	1377	1431	1537	1528	3086
								3%	3%	3%	3%	2%	5%
							grade 5 events	1469	1524	1448	1598	3475	4060
								3%	3%	3%	3%	5%	6%
							grade 6 events	3425	3398	3121	3138	15555	15289
								7%	7%	6%	6%	24%	25%
							grade 7 events	20272	21332	22619	24157	22783	20910
								46%	48%	49%	50%	35%	34%

## 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	143.9650665394885	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	37.20729692469321	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	132.3574858710407	[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)	412187378.861362	412187377.83637			
Observation start date	2011-01-23T16:29:39	2011-01-23T16:29:37			
[s] Observation end time (MET)	412192559.211629	412192558.18664			
Observation end date	2011-01-23T17:55:59	2011-01-23T17:55:58			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.02.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2831999878287

### A.2 Comments