

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58443 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 22 2012

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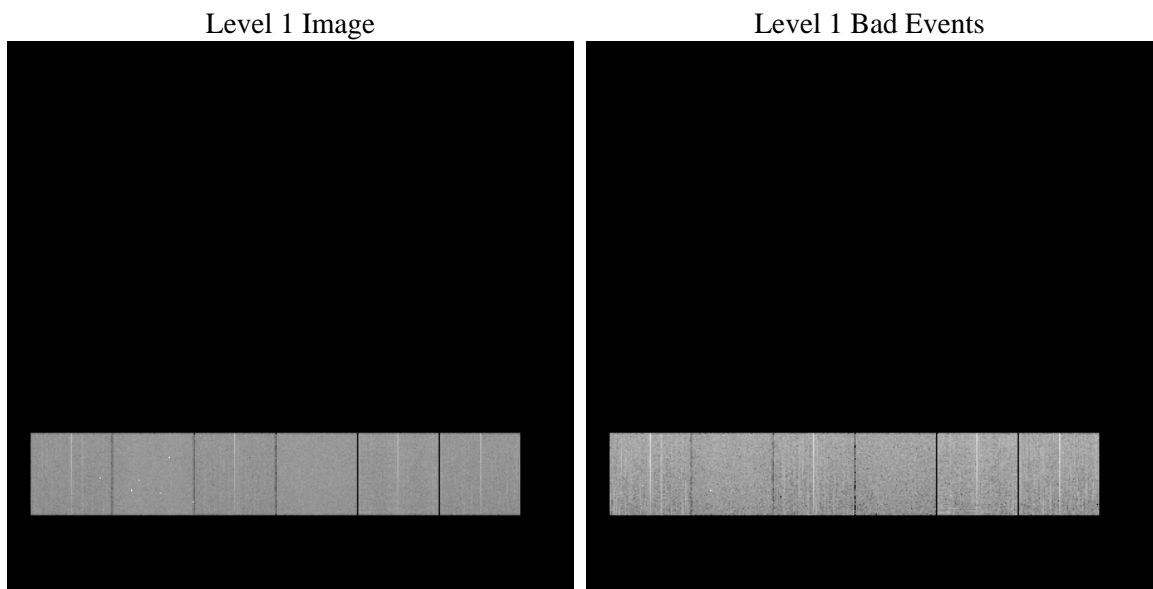
# 1 Front

seq_num	&#160	Sequence number
obs_id	58443	Observation id
title	ACIS-456789 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	223.48641916631	Nominal RA [deg]
dec_nom	-10.173923427975	Nominal Dec [deg]
roll_nom	84.584207693591	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7769.3990830779	Sum of GTIs [s]
livetime	7671.0182737175	Livetime [s]
ontime4	7769.275963068	Sum of GTIs [s]
ontime5	7769.3580430746	Sum of GTIs [s]
ontime6	7769.3170030713	Sum of GTIs [s]
ontime7	7769.3990830779	Sum of GTIs [s]
ontime8	7769.2349230647	Sum of GTIs [s]
ontime9	7769.4401230812	Sum of GTIs [s]
l2events	735425	Number of level 2 events

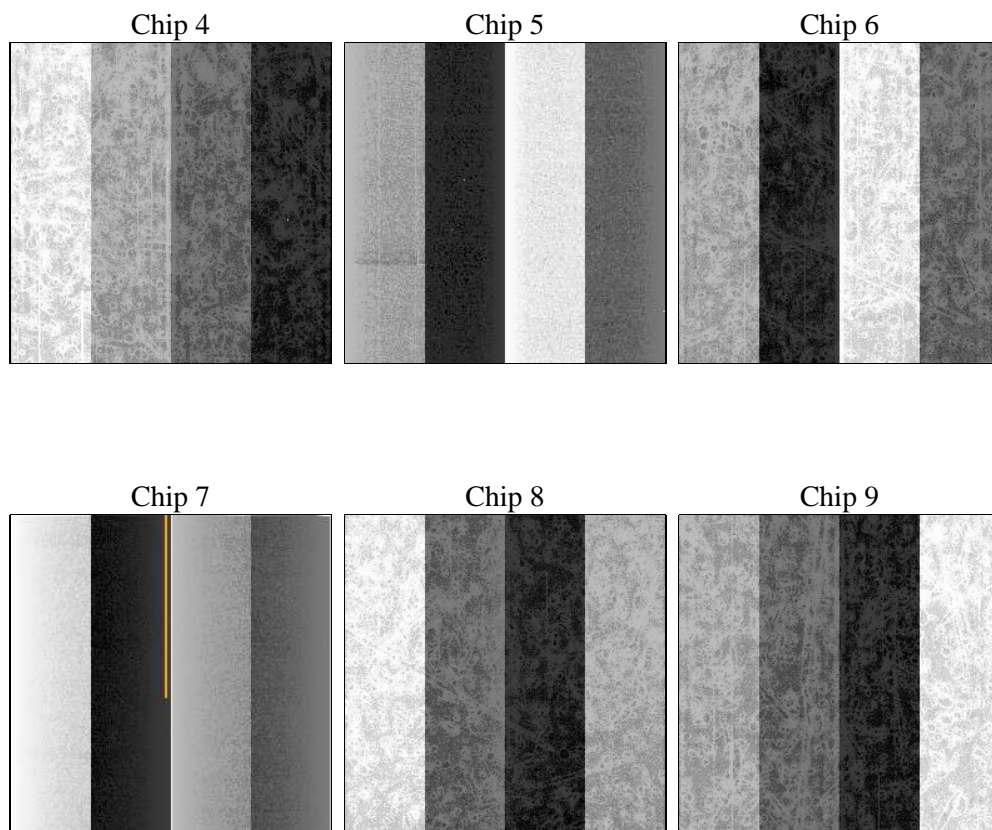
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7769.3990830779	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7769.275963068	Sum of GTIs [s]
date	2012-04-22T21:34:33	Date and time of file creation	ontime5	7769.3580430746	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7769.3170030713	Sum of GTIs [s]
			ontime7	7769.3990830779	Sum of GTIs [s]
			ontime8	7769.2349230647	Sum of GTIs [s]
			ontime9	7769.4401230812	Sum of GTIs [s]
			l1events	1224342	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	191088	213559	194255	212816	215458	197166	grade 0 events	67283	27124	66418	32483	70843	65317
rejected events	75097	66602	70696	60958	78770	77132		35%	12%	34%	15%	32%	33%
rejected %	39%	31%	36%	28%	36%	39%	grade 1 events	619	282	381	157	472	467
								0%	0%	0%	0%	0%	0%
							grade 2 events	18358	53590	21710	33383	24768	21042
								9%	25%	11%	15%	11%	10%
							grade 3 events	7979	7506	7963	14788	9789	8009
								4%	3%	4%	6%	4%	4%
							grade 4 events	7939	7401	7919	14534	9419	7866
								4%	3%	4%	6%	4%	3%
							grade 5 events	3937	9534	4228	10089	5064	4584
								2%	4%	2%	4%	2%	2%
							grade 6 events	14959	51973	20105	57308	22422	18359
								7%	24%	10%	26%	10%	9%
							grade 7 events	70014	56149	65531	50074	72681	71522
								36%	26%	33%	23%	33%	36%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	223.486419166309	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-10.17392342797474	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	84.58420769359114			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	292238064.746537	292238063.72154			
Observation start date	2007-04-06T09:14:25	2007-04-06T09:14:23			
[s] Observation end time (MET)	292259618.447564	292259617.42257			
Observation end date	2007-04-06T15:13:38	2007-04-06T15:13:37			
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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7693990830779

### A.2 Comments