

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 59221 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 21 2012

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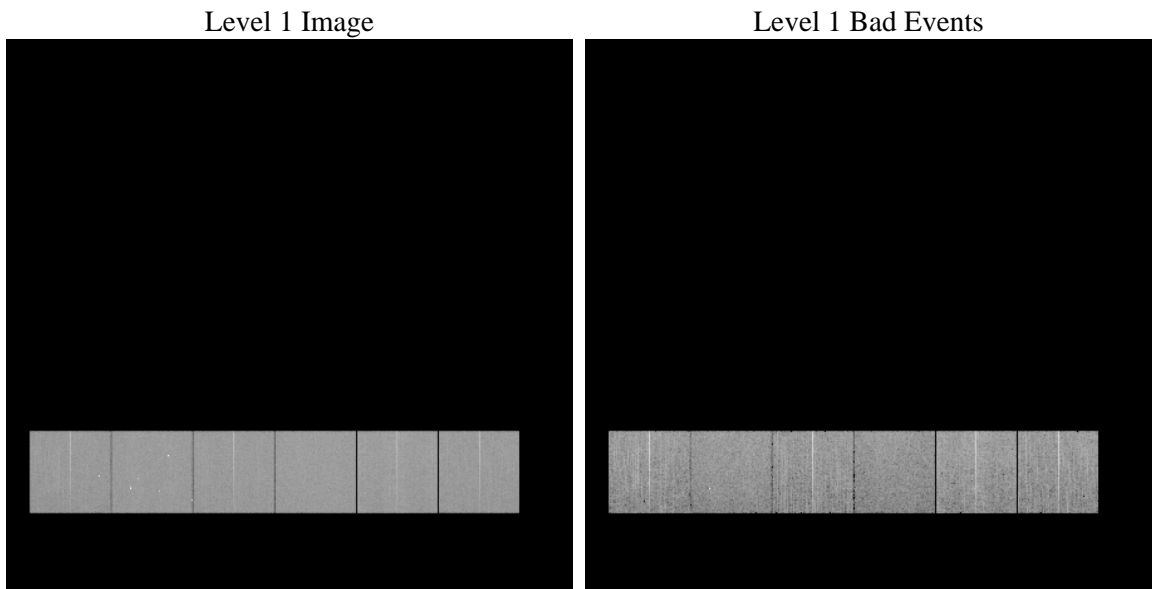
# 1 Front

seq_num	&#160	Sequence number
obs_id	59221	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	85.028868961641	Nominal RA [deg]
dec_nom	10.502967044262	Nominal Dec [deg]
roll_nom	333.04057528399	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7795.1999709606	Sum of GTIs [s]
livetime	7696.4924552224	Livetime [s]
ontime4	7608.8262515068	Sum of GTIs [s]
ontime5	7795.1999709606	Sum of GTIs [s]
ontime6	7775.754139185	Sum of GTIs [s]
ontime7	7795.1999709606	Sum of GTIs [s]
ontime8	7795.1999709606	Sum of GTIs [s]
ontime9	7795.1999709606	Sum of GTIs [s]
l2events	956137	Number of level 2 events

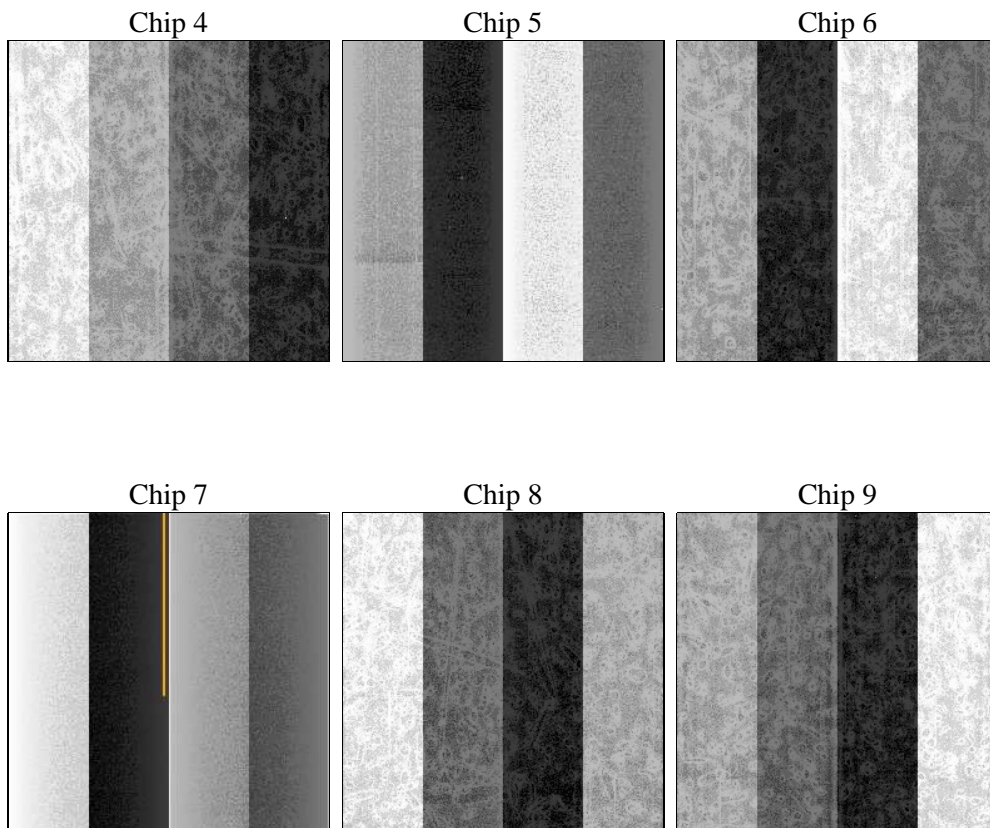
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	7795.1999709606	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	7608.8262515068	Sum of GTIs [s]
date	2012-03-21T04:33:53	Date and time of file creation	ontime5	7795.1999709606	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7775.754139185	Sum of GTIs [s]
			ontime7	7795.1999709606	Sum of GTIs [s]
			ontime8	7795.1999709606	Sum of GTIs [s]
			ontime9	7795.1999709606	Sum of GTIs [s]
			l1events	1394498	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	218853	233074	230600	239579	246197	226195	grade 0 events	89167	37487	90929	43563	94335	88984
rejected events	65142	57754	62644	51199	69426	64139		40%	16%	39%	18%	38%	39%
rejected %	29%	24%	27%	21%	28%	28%	grade 1 events	725	186	486	170	598	553
								0%	0%	0%	0%	0%	0%
							grade 2 events	24375	62626	29041	41112	31477	27866
								11%	26%	12%	17%	12%	12%
							grade 3 events	10345	9847	10470	18388	11706	10450
								4%	4%	4%	7%	4%	4%
							grade 4 events	10411	9892	10664	18556	11616	10328
								4%	4%	4%	7%	4%	4%
							grade 5 events	3571	8836	3851	8759	4656	4104
								1%	3%	1%	3%	1%	1%
							grade 6 events	19413	55468	26852	66761	27701	24428
								8%	23%	11%	27%	11%	10%
							grade 7 events	60846	48732	58307	42270	64108	59482
								27%	20%	25%	17%	26%	26%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	85.02886896164087
[deg] Pointing Dec	0	10.50296704426179
[deg] Pointing Roll	0.0	333.040575283992
[mm] SIM focus pos	-0.684267	-1.526339935833849
[mm] SIM defocus	0	0.006996703570447904
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	251754693.59575	251754692.57075
Observation start date	2005-12-23T19:51:34	2005-12-23T19:51:32
[s] Observation end time (MET)	251765117.846233	251765116.82124
Observation end date	2005-12-23T22:45:18	2005-12-23T22:45:16
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7951999709606

### **A.2 Comments**