

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 55996 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 4 2012

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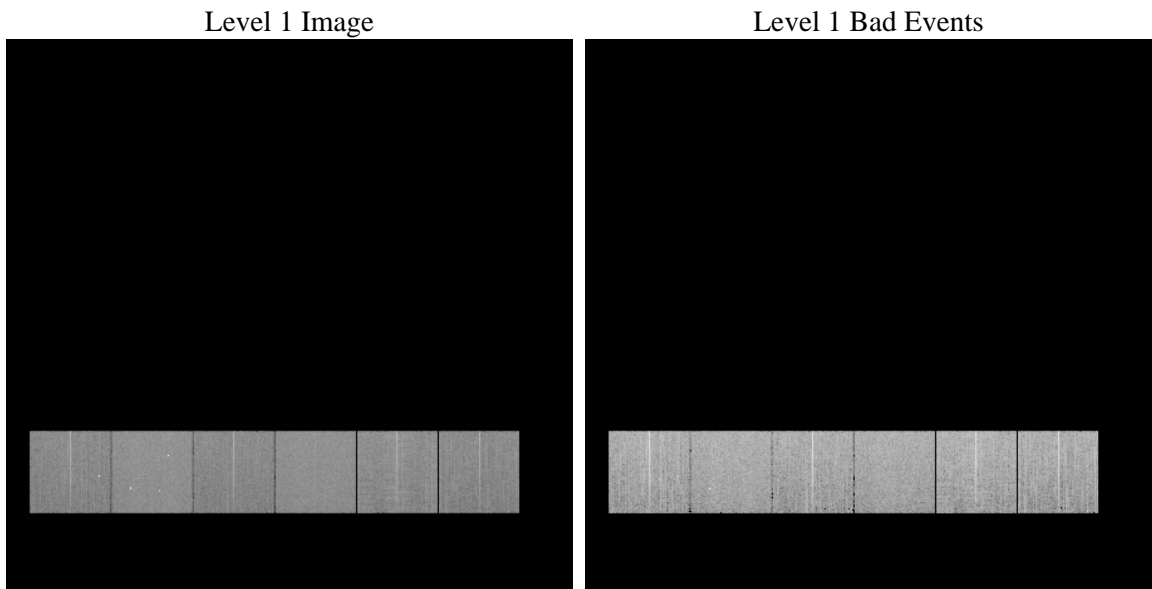
# 1 Front

seq_num	&#160	Sequence number
obs_id	55996	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	23.477269759974	Nominal RA [deg]
dec_nom	9.0179231236886	Nominal Dec [deg]
roll_nom	108.43764696449	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8277.2382816076	Sum of GTIs [s]
livetime	8172.4269065314	Livetime [s]
ontime4	8280.3561319113	Sum of GTIs [s]
ontime5	8277.1972416043	Sum of GTIs [s]
ontime6	8277.1561816931	Sum of GTIs [s]
ontime7	8277.2382816076	Sum of GTIs [s]
ontime8	8273.8332309723	Sum of GTIs [s]
ontime9	8280.5202919245	Sum of GTIs [s]
l2events	404329	Number of level 2 events

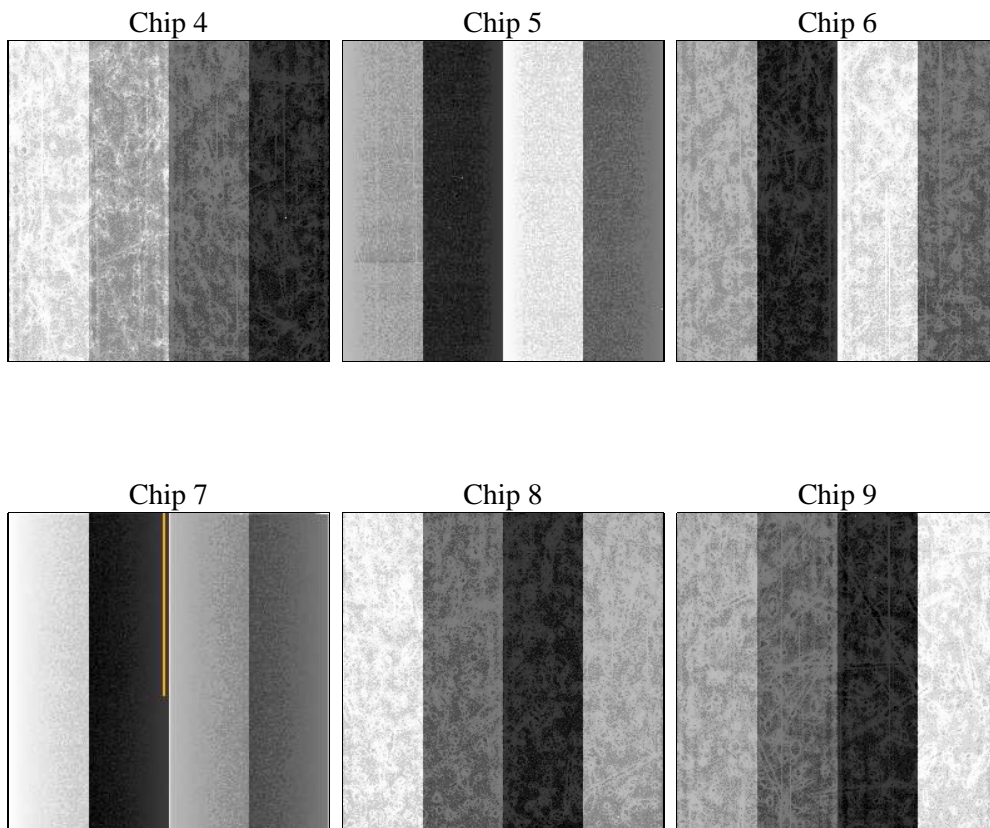
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8277.2382816076	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime4	8280.3561319113	Sum of GTIs [s]
date	2012-07-04T16:12:24	Date and time of file creation	ontime5	8277.1972416043	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8277.1561816931	Sum of GTIs [s]
			ontime7	8277.2382816076	Sum of GTIs [s]
			ontime8	8273.8332309723	Sum of GTIs [s]
			ontime9	8280.5202919245	Sum of GTIs [s]
			l1events	863906	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	129862	166306	127822	158991	151056	129869	grade 0 events	33872	14432	31167	16349	35726	31186
rejected events	70674	68632	67033	65392	76528	70528		26%	8%	24%	10%	23%	24%
rejected %	54%	41%	52%	41%	50%	54%	grade 1 events	295	211	186	164	239	223
								0%	0%	0%	0%	0%	0%
							grade 2 events	9285	34030	11172	20447	14283	10611
								7%	20%	8%	12%	9%	8%
							grade 3 events	4115	4259	4100	8581	5603	4039
								3%	2%	3%	5%	3%	3%
							grade 4 events	4085	4063	3960	8531	5286	4056
								3%	2%	3%	5%	3%	3%
							grade 5 events	4097	9158	4161	10506	5377	4560
								3%	5%	3%	6%	3%	3%
							grade 6 events	7831	40890	10390	39691	13630	9449
								6%	24%	8%	24%	9%	7%
							grade 7 events	66282	59263	62686	54722	70912	65745
								51%	35%	49%	34%	46%	50%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	23.47726975997369	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	9.017923123688618	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	108.4376469644927	[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)	402555258.614822	402555257.58983			
Observation start date	2010-10-04T04:54:19	2010-10-04T04:54:17			
[s] Observation end time (MET)	402574409.715806	402574408.69081			
Observation end date	2010-10-04T10:13:30	2010-10-04T10:13:28			
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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2772382816076

### **A.2 Comments**