

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55276 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 18 2012

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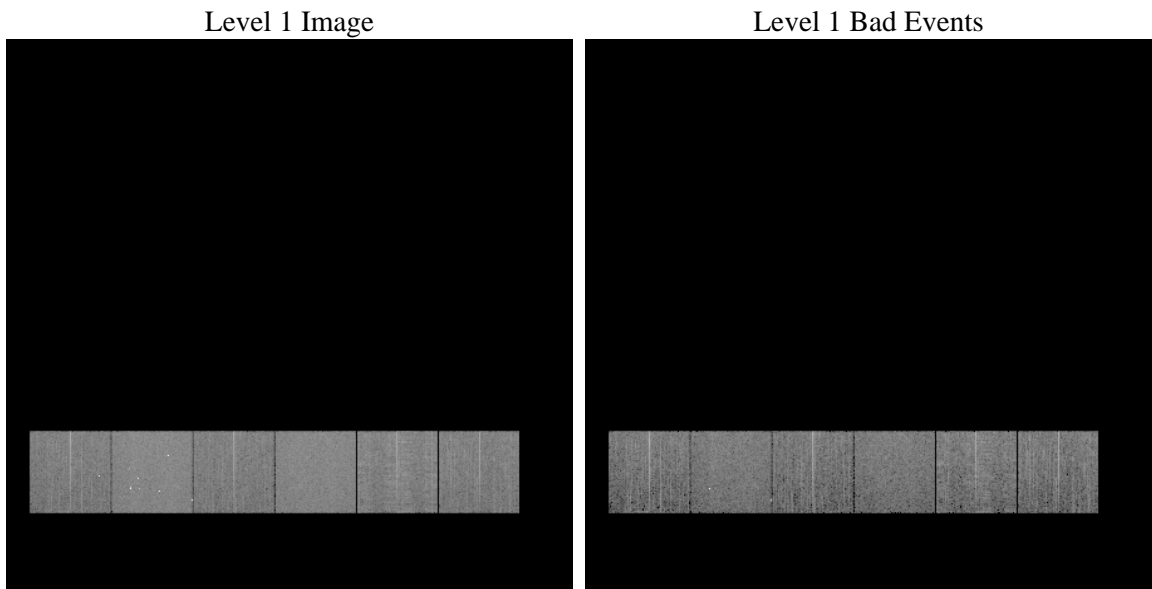
# 1 Front

seq_num	&#160	Sequence number
obs_id	55276	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	338.9937744436	Nominal RA [deg]
dec_nom	-11.785173863719	Nominal Dec [deg]
roll_nom	107.44209241028	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6409.599976182	Sum of GTIs [s]
livetime	6328.4377618858	Livetime [s]
ontime4	6409.599976182	Sum of GTIs [s]
ontime5	6409.599976182	Sum of GTIs [s]
ontime6	6409.599976182	Sum of GTIs [s]
ontime7	6409.599976182	Sum of GTIs [s]
ontime8	6409.599976182	Sum of GTIs [s]
ontime9	6409.599976182	Sum of GTIs [s]
l2events	256274	Number of level 2 events

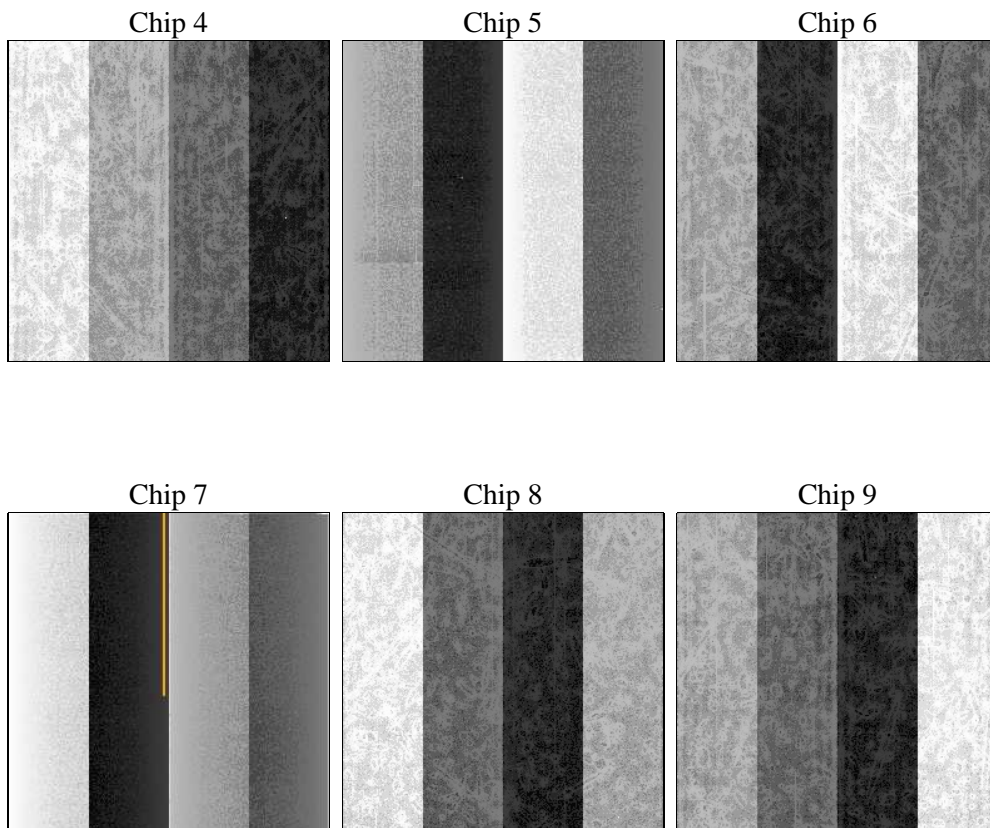
## 2 OBI

### 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	6409.599976182	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	6409.599976182	Sum of GTIs [s]
date	2012-02-18T19:34:23	Date and time of file creation	ontime5	6409.599976182	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6409.599976182	Sum of GTIs [s]
			ontime7	6409.599976182	Sum of GTIs [s]
			ontime8	6409.599976182	Sum of GTIs [s]
			ontime9	6409.599976182	Sum of GTIs [s]
			l1events	572724	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	83620	118140	83072	104825	98497	84570	grade 0 events	21899	12599	19728	9921	22351	19969
rejected events	45842	49721	44919	45245	51213	46831		26%	10%	23%	9%	22%	23%
rejected %	54%	42%	54%	43%	51%	55%	grade 1 events	210	228	114	106	108	125
								0%	0%	0%	0%	0%	0%
							grade 2 events	5893	22534	6985	12885	9159	6588
								7%	19%	8%	12%	9%	7%
							grade 3 events	2566	2613	2460	5233	3578	2526
								3%	2%	2%	4%	3%	2%
							grade 4 events	2524	2446	2535	5270	3411	2599
								3%	2%	3%	5%	3%	3%
							grade 5 events	2778	6205	2969	6938	3740	3258
								3%	5%	3%	6%	3%	3%
							grade 6 events	4918	28274	6460	26300	8813	6073
								5%	23%	7%	25%	8%	7%
							grade 7 events	42832	43241	41821	38172	47337	43432
								51%	36%	50%	36%	48%	51%

## 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	338.9937744435981	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-11.78517386371904	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	107.4420924102799	[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)	428179956.169637	428179955.14461			
Observation start date	2011-07-27T18:52:36	2011-07-27T18:52:35			
[s] Observation end time (MET)	428187125.020013	428187123.99499			
Observation end date	2011-07-27T20:52:05	2011-07-27T20:52:03			
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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.409599976182

### A.2 Comments