

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55145 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 24 2012

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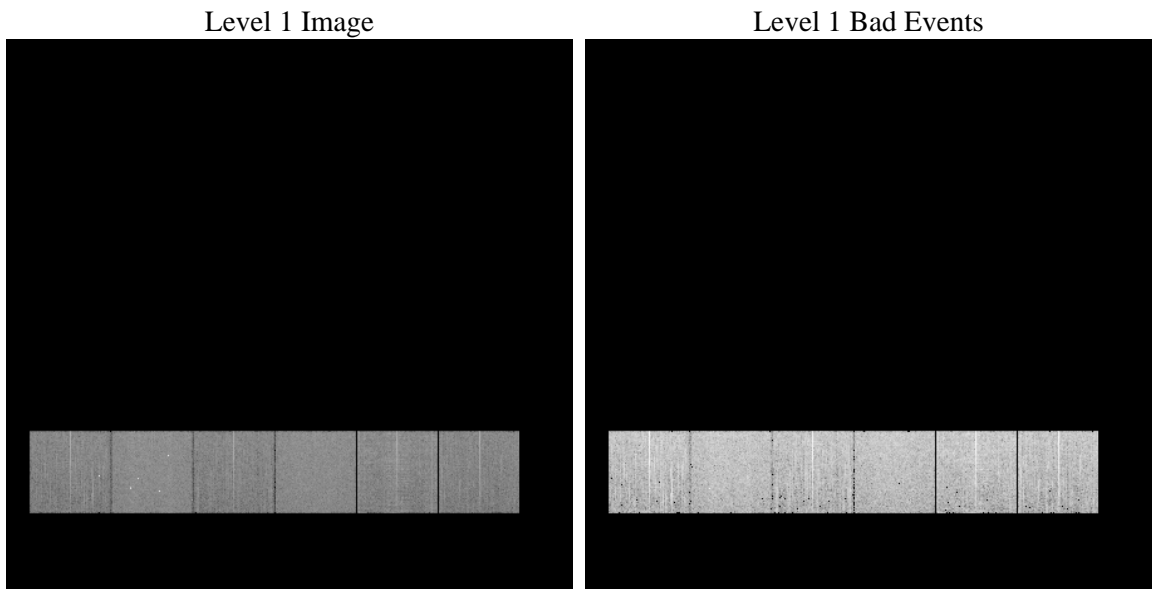
# 1 Front

seq_num	&#160	Sequence number
obs_id	55145	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	350.02869648057	Nominal RA [deg]
dec_nom	-14.00751593583	Nominal Dec [deg]
roll_nom	311.74311489183	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6435.1295039654	Sum of GTIs [s]
livetime	6353.6440194164	Livetime [s]
ontime4	6435.1999760866	Sum of GTIs [s]
ontime5	6435.1705439687	Sum of GTIs [s]
ontime6	6435.1999760866	Sum of GTIs [s]
ontime7	6435.1295039654	Sum of GTIs [s]
ontime8	6435.1999760866	Sum of GTIs [s]
ontime9	6435.0884639621	Sum of GTIs [s]
l2events	258270	Number of level 2 events

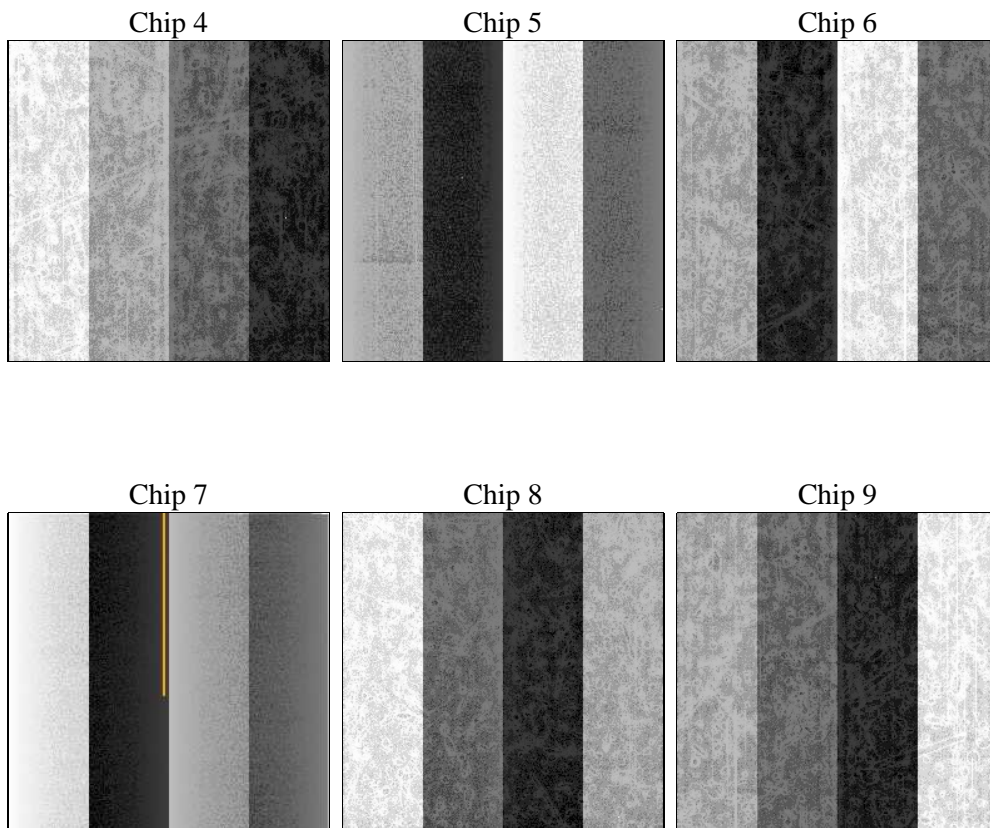
## 2 OBI

### 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	6435.1295039654	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	6435.1999760866	Sum of GTIs [s]
date	2012-02-24T06:03:17	Date and time of file creation	ontime5	6435.1705439687	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6435.1999760866	Sum of GTIs [s]
			ontime7	6435.1295039654	Sum of GTIs [s]
			ontime8	6435.1999760866	Sum of GTIs [s]
			ontime9	6435.0884639621	Sum of GTIs [s]
			l1events	554611	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	84305	106675	82953	102175	95587	82916	grade 0 events	22241	9676	19704	9825	22975	20506
rejected events	45573	44778	43788	43554	47538	44112		26%	9%	23%	9%	24%	24%
rejected %	54%	41%	52%	42%	49%	53%	grade 1 events	182	188	99	92	146	131
								0%	0%	0%	0%	0%	0%
							grade 2 events	5933	21476	7362	12820	9209	6608
								7%	20%	8%	12%	9%	7%
							grade 3 events	2683	2318	2522	4894	3517	2638
								3%	2%	3%	4%	3%	3%
							grade 4 events	2713	2284	2451	5115	3477	2592
								3%	2%	2%	5%	3%	3%
							grade 5 events	2540	5431	2773	6442	3537	3063
								3%	5%	3%	6%	3%	3%
							grade 6 events	5162	26143	7126	25967	8871	6477
								6%	24%	8%	25%	9%	7%
							grade 7 events	42851	39159	40916	37020	43855	40901
								50%	36%	49%	36%	45%	49%

## 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	350.0286964805685	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-14.00751593583027	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	311.7431148918309	[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)	434087591.129266	434087590.10429			
Observation start date	2011-10-04T03:53:11	2011-10-04T03:53:10			
[s] Observation end time (MET)	434103671.330108	434103670.30513			
Observation end date	2011-10-04T08:21:11	2011-10-04T08:21:10			
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)	2012.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.4351295039654

### A.2 Comments