

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55600 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 6 2012

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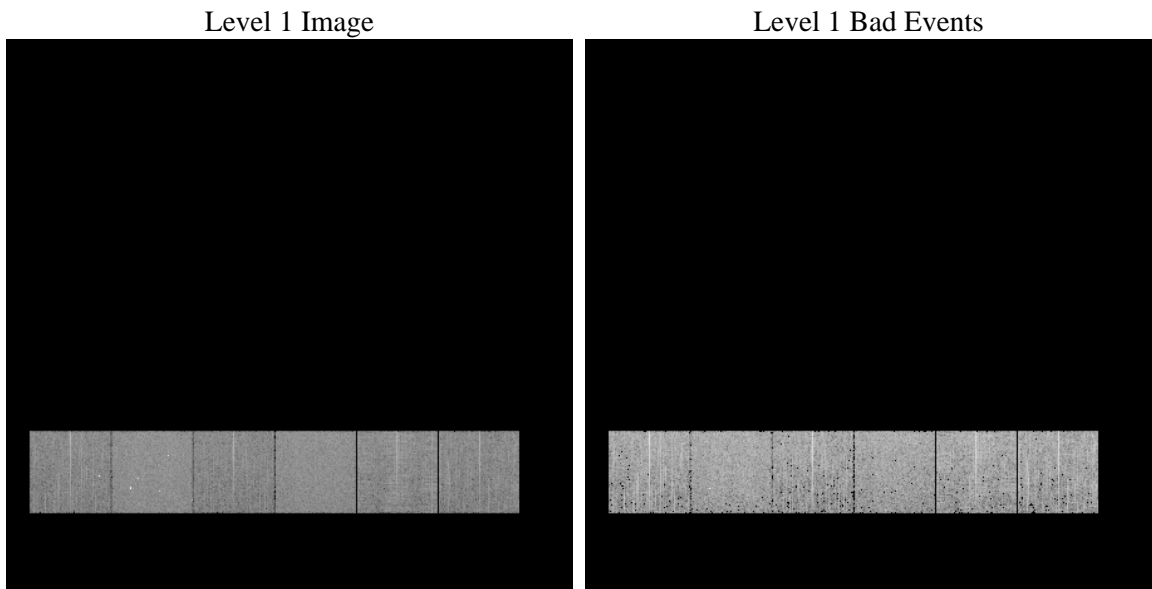
# 1 Front

seq_num	&#160	Sequence number
obs_id	55600	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	152.20010238135	Nominal RA [deg]
dec_nom	20.072043511652	Nominal Dec [deg]
roll_nom	231.53389324005	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4098.646954298	Sum of GTIs [s]
livetime	4046.7474186538	Livetime [s]
ontime4	4098.5238342881	Sum of GTIs [s]
ontime5	4098.6059142947	Sum of GTIs [s]
ontime6	4098.5648742914	Sum of GTIs [s]
ontime7	4098.646954298	Sum of GTIs [s]
ontime8	4098.4827942848	Sum of GTIs [s]
ontime9	4098.6879943013	Sum of GTIs [s]
l2events	178436	Number of level 2 events

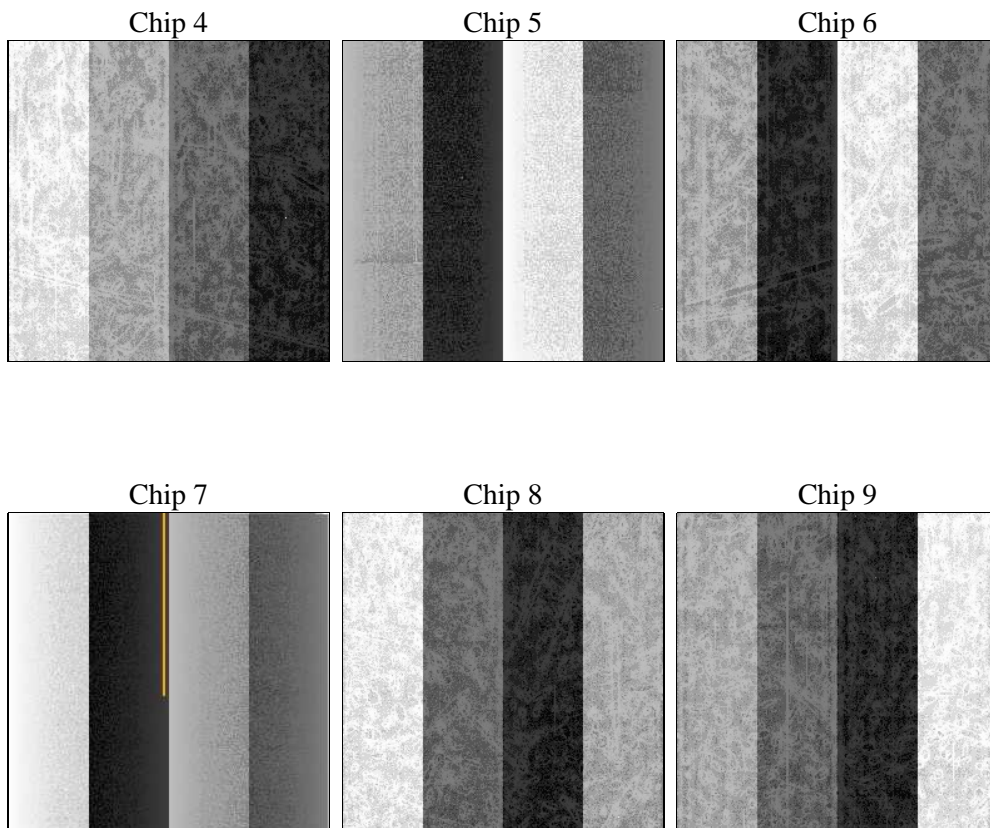
## 2 OBI

### 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	4098.646954298	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime4	4098.5238342881	Sum of GTIs [s]
date	2012-02-06T07:18:17	Date and time of file creation	ontime5	4098.6059142947	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4098.5648742914	Sum of GTIs [s]
			ontime7	4098.646954298	Sum of GTIs [s]
			ontime8	4098.4827942848	Sum of GTIs [s]
			ontime9	4098.6879943013	Sum of GTIs [s]
			l1events	385886	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	58972	75625	56376	70642	65517	58754	grade 0 events	15248	6416	13906	7064	15291	13603
rejected events	32620	31590	29263	29524	33197	32832		25%	8%	24%	9%	23%	23%
rejected %	55%	41%	51%	41%	50%	55%	grade 1 events	136	125	82	42	82	93
								0%	0%	0%	0%	0%	0%
							grade 2 events	4081	15614	5051	8819	6192	4592
								6%	20%	8%	12%	9%	7%
							grade 3 events	1836	1786	1770	3685	2565	1822
								3%	2%	3%	5%	3%	3%
							grade 4 events	1851	1751	1818	3679	2345	1740
								3%	2%	3%	5%	3%	2%
							grade 5 events	1864	4154	1873	4560	2555	2106
								3%	5%	3%	6%	3%	3%
							grade 6 events	3336	18468	4568	17871	5927	4165
								5%	24%	8%	25%	9%	7%
							grade 7 events	30620	27311	27308	24922	30560	30633
								51%	36%	48%	35%	46%	52%

## 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	152.200102381348	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	20.07204351165225	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	231.5338932400533	[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)	416268400.172625	416268399.14762			
Observation start date	2011-03-11T22:06:40	2011-03-11T22:06:39			
[s] Observation end time (MET)	416288980.123692	416288979.09869			
Observation end date	2011-03-12T03:49:40	2011-03-12T03:49:39			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.098646954298

### A.2 Comments