

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57558 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 22 2012

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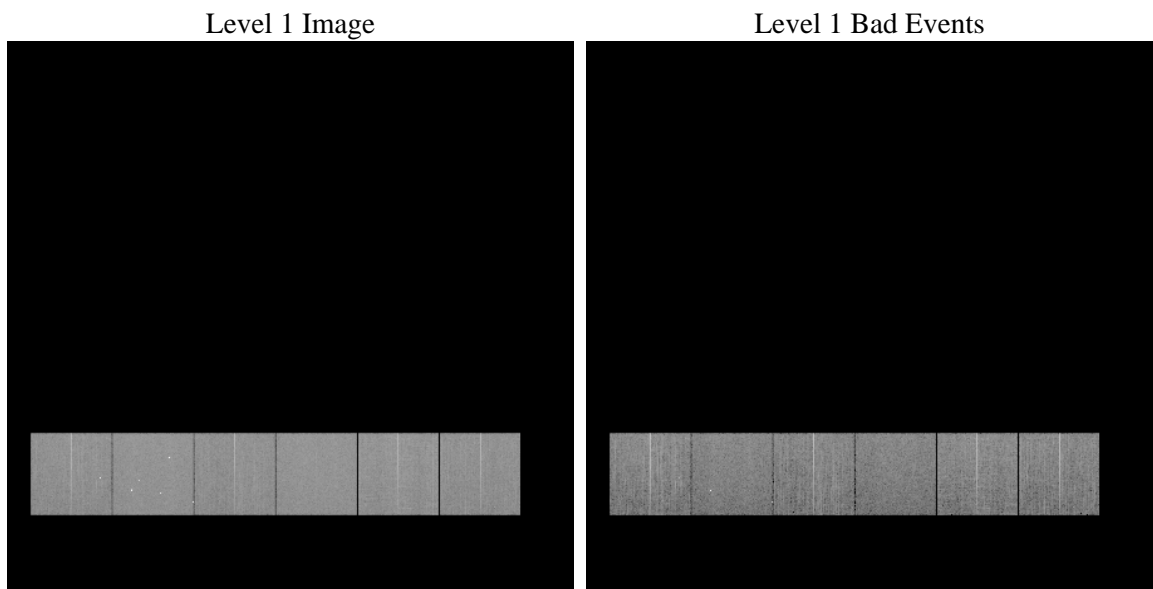
# 1 Front

seq_num	&#160	Sequence number
obs_id	57558	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	0.99081184151447	Nominal RA [deg]
dec_nom	27.972457389907	Nominal Dec [deg]
roll_nom	220.73092040198	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7794.6225737333	Sum of GTIs [s]
livetime	7695.9223693465	Livetime [s]
ontime4	7794.6225737333	Sum of GTIs [s]
ontime5	7794.6225737333	Sum of GTIs [s]
ontime6	7794.6225737333	Sum of GTIs [s]
ontime7	7794.6225737333	Sum of GTIs [s]
ontime8	7794.5926111341	Sum of GTIs [s]
ontime9	7794.6225737333	Sum of GTIs [s]
l2events	658881	Number of level 2 events

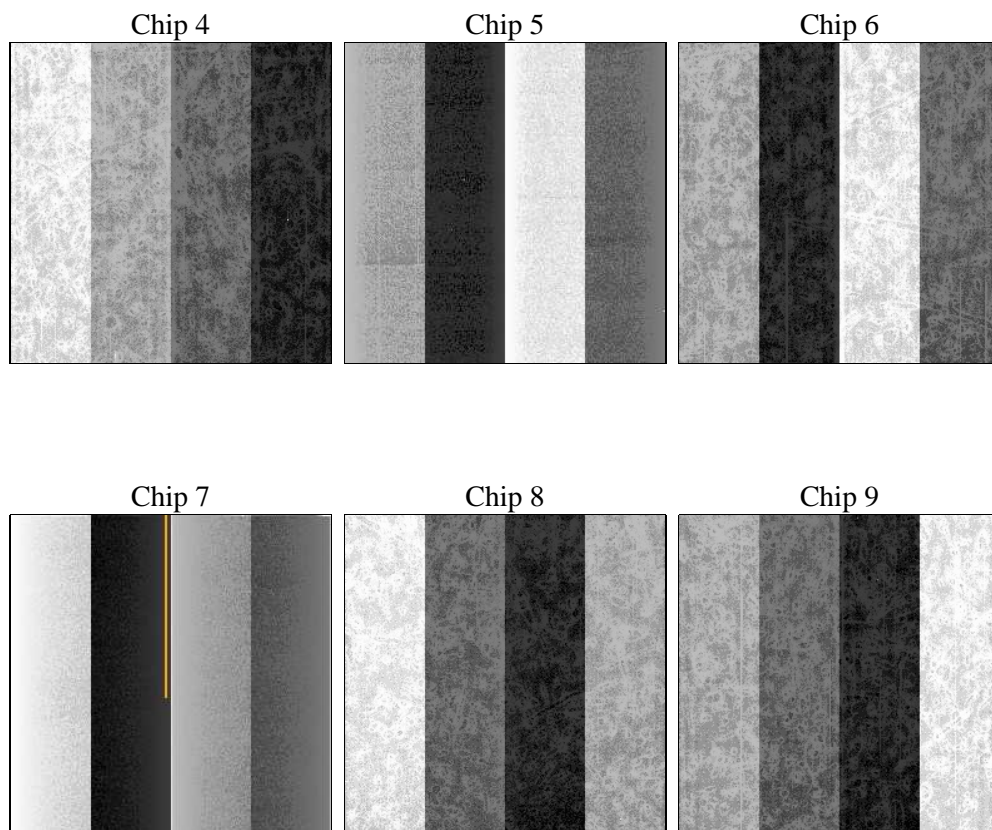
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	7794.6225737333	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7794.6225737333	Sum of GTIs [s]
date	2012-05-22T22:33:48	Date and time of file creation	ontime5	7794.6225737333	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7794.6225737333	Sum of GTIs [s]
			ontime7	7794.6225737333	Sum of GTIs [s]
			ontime8	7794.5926111341	Sum of GTIs [s]
			ontime9	7794.6225737333	Sum of GTIs [s]
			l1events	1169656	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	187712	207815	183635	201408	205825	183261	grade 0 events	60377	23956	55651	27948	61771	56345
rejected events	81344	71277	74951	64762	82395	76368		32%	11%	30%	13%	30%	30%
rejected %	43%	34%	40%	32%	40%	41%	grade 1 events	620	395	370	161	482	414
								0%	0%	0%	0%	0%	0%
							grade 2 events	16499	48843	19347	30012	22062	18215
								8%	23%	10%	14%	10%	9%
							grade 3 events	7318	6420	6784	12343	8612	6936
								3%	3%	3%	6%	4%	3%
							grade 4 events	7128	5990	6719	12283	8467	6956
								3%	2%	3%	6%	4%	3%
							grade 5 events	4135	10030	4277	10597	5467	4794
								2%	4%	2%	5%	2%	2%
							grade 6 events	15046	51329	20183	54060	22518	18441
								8%	24%	10%	26%	10%	10%
							grade 7 events	76589	60852	70304	54004	76446	71160
								40%	29%	38%	26%	37%	38%

## 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	0.9908118415144713	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	27.97245738990683	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	220.7309204019805	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	340175846.478108	340175845.45311			
Observation start date	2008-10-12T05:17:26	2008-10-12T05:17:25			
[s] Observation end time (MET)	340205917.929588	340205916.90459			
Observation end date	2008-10-12T13:38:38	2008-10-12T13:38:36			
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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7946225737333

### A.2 Comments