

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61148 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 10 2012

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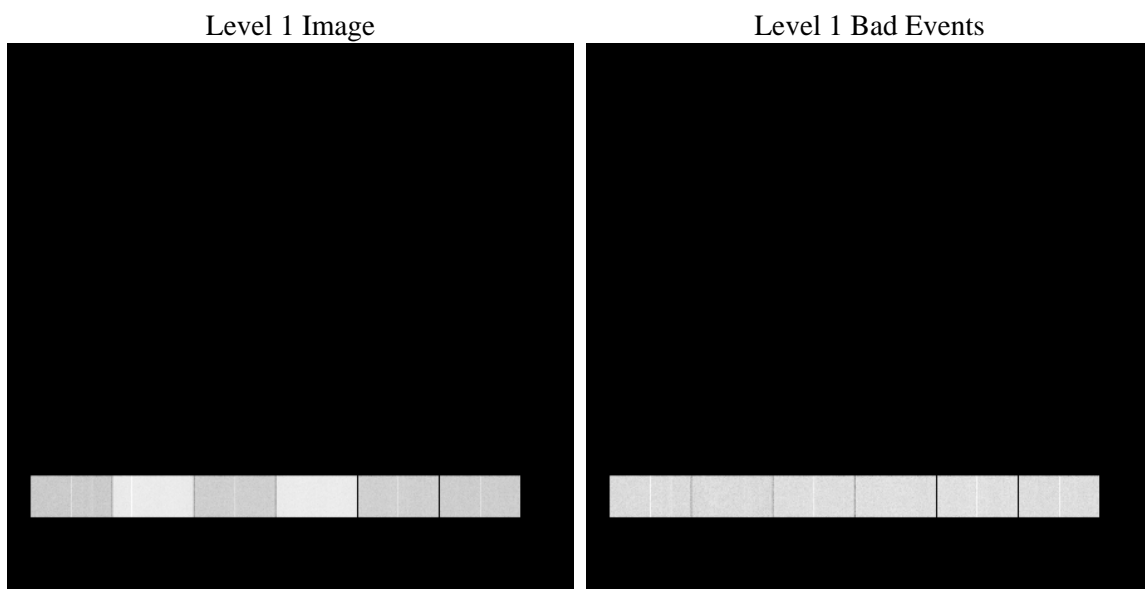
# 1 Front

seq_num	&#160	Sequence number
obs_id	61148	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	151.89770076346	Nominal RA [deg]
dec_nom	-22.028526190174	Nominal Dec [deg]
roll_nom	232.93683102413	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8551.277873069	Sum of GTIs [s]
livetime	8517.8744438774	Livetime [s]
ontime4	2949.8492743671	Sum of GTIs [s]
ontime5	9203.5241827071	Sum of GTIs [s]
ontime6	3227.0964005888	Sum of GTIs [s]
ontime7	8551.277873069	Sum of GTIs [s]
ontime8	3200.8308003545	Sum of GTIs [s]
ontime9	3152.6771299839	Sum of GTIs [s]
l2events	942987	Number of level 2 events

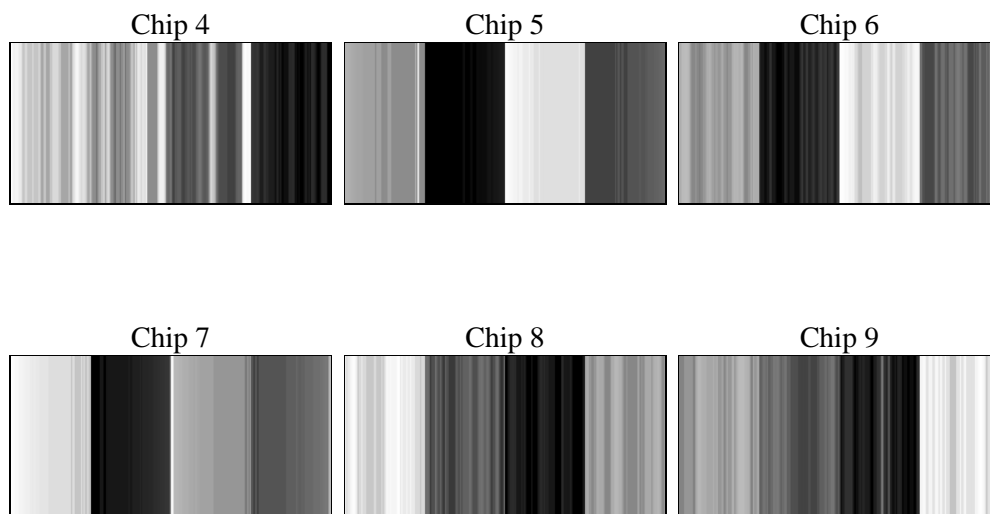
## 2 OBI

### 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	8551.277873069	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2949.8492743671	Sum of GTIs [s]
date	2012-10-10T07:48:15	Date and time of file creation	ontime5	9203.5241827071	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3227.0964005888	Sum of GTIs [s]
			ontime7	8551.277873069	Sum of GTIs [s]
			ontime8	3200.8308003545	Sum of GTIs [s]
			ontime9	3152.6771299839	Sum of GTIs [s]
			l1events	1700475	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	160395	495873	181418	498989	190980	172820	grade 0 events	10044	55185	14668	93366	19617	13722
rejected events	109989	104328	118548	121009	127766	115544		6%	11%	8%	18%	10%	7%
rejected %	68%	21%	65%	24%	66%	66%	grade 1 events	46	230	77	310	78	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	87719	188590	96307	110017	93146	91036
								54%	38%	53%	22%	48%	52%
							grade 3 events	1485	13804	2124	37040	2800	1887
								0%	2%	1%	7%	1%	1%
							grade 4 events	1567	13662	2119	36442	2765	1935
								0%	2%	1%	7%	1%	1%
							grade 5 events	1642	11110	1803	10665	1905	1697
								1%	2%	0%	2%	0%	0%
							grade 6 events	25132	134870	31955	146712	30560	29364
								15%	27%	17%	29%	16%	16%
							grade 7 events	32760	78422	32365	64437	40109	33118
								20%	15%	17%	12%	21%	19%

## 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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	151.8977007634615	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-22.02852619017354	[s] Primary exposure time	0.000000	0
[deg] Pointing Roll	0.0	232.9368310241342			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	141671369.776	141671368.75087			
Observation start date	2002-06-28T17:09:30	2002-06-28T17:09:28			
[s] Observation end time (MET)	141692679.526	141692678.50175			
Observation end date	2002-06-28T23:04:40	2002-06-28T23:04:38			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.551277873069

### A.2 Comments