

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61912 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 5 2012

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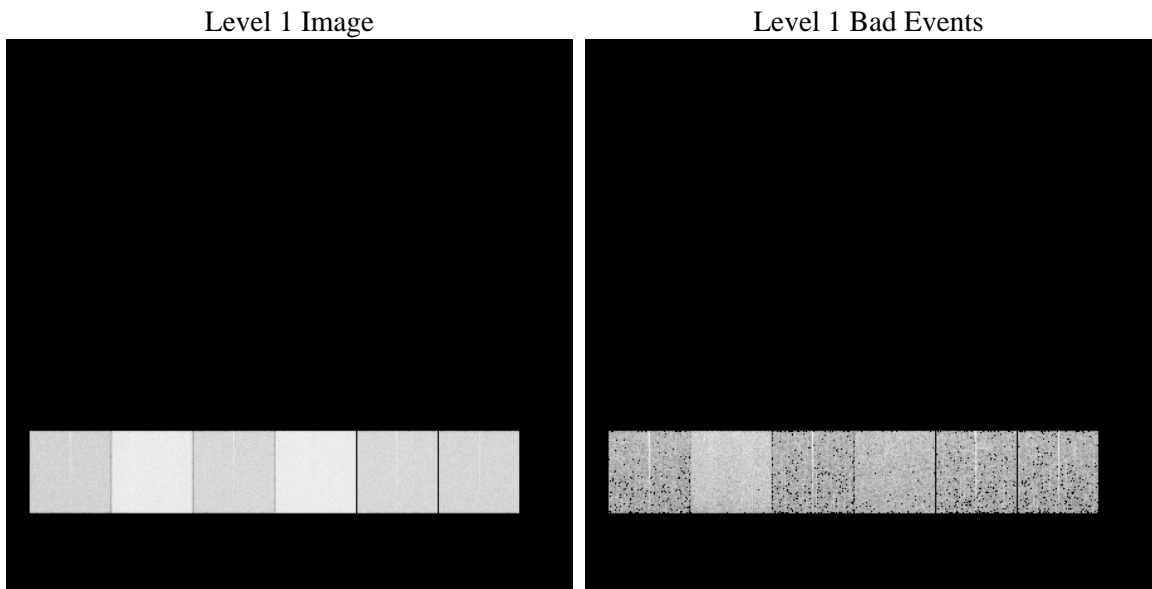
# 1 Front

seq_num	&#160	Sequence number
obs_id	61912	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	15.778262179888	Nominal RA [deg]
dec_nom	24.37161863243	Nominal Dec [deg]
roll_nom	144.32245839579	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4903.2408105135	Sum of GTIs [s]
livetime	4841.1530229936	Livetime [s]
ontime4	2074.2639694661	Sum of GTIs [s]
ontime5	5305.0794475079	Sum of GTIs [s]
ontime6	2268.2143106163	Sum of GTIs [s]
ontime7	4903.2408105135	Sum of GTIs [s]
ontime8	2284.9313396811	Sum of GTIs [s]
ontime9	2190.9412895888	Sum of GTIs [s]
l2events	1356712	Number of level 2 events

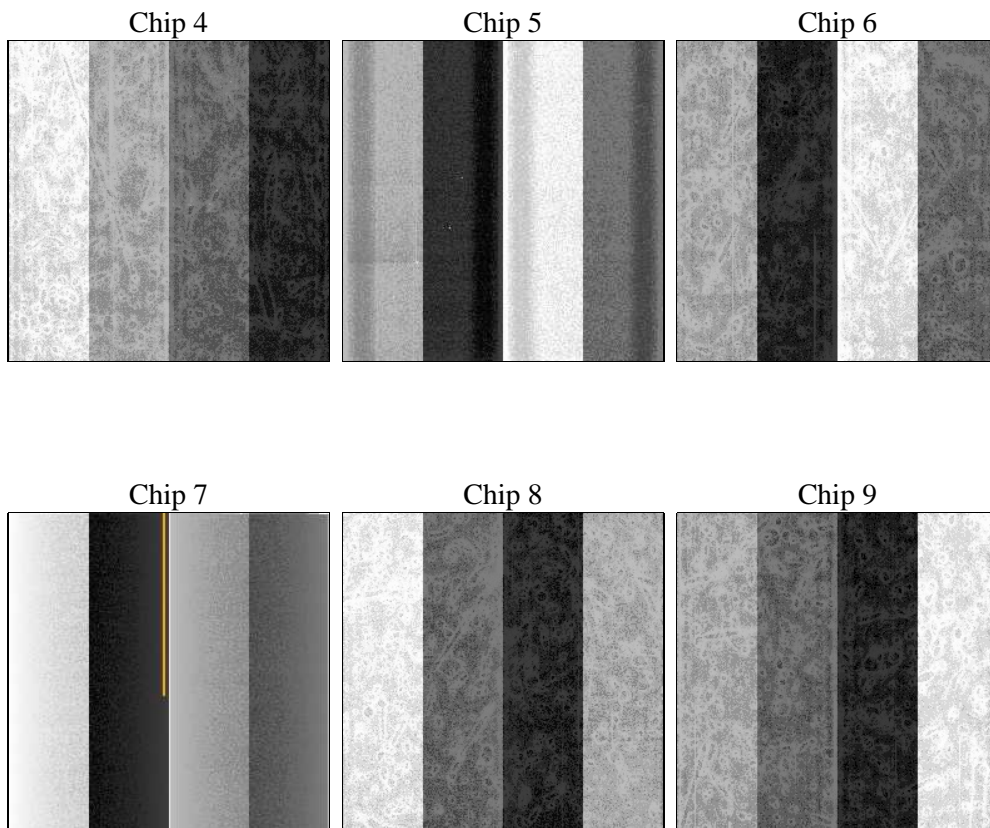
## 2 OBI

### 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	4903.2408105135	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	2074.2639694661	Sum of GTIs [s]
date	2012-09-05T12:35:32	Date and time of file creation	ontime5	5305.0794475079	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2268.2143106163	Sum of GTIs [s]
			ontime7	4903.2408105135	Sum of GTIs [s]
			ontime8	2284.9313396811	Sum of GTIs [s]
			ontime9	2190.9412895888	Sum of GTIs [s]
			l1events	1554336	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	169622	393834	197584	406581	201612	185103	grade 0 events	83516	74006	97819	96975	100678	91533
rejected events	18700	41480	18416	24750	19544	17939		49%	18%	49%	23%	49%	49%
rejected %	11%	10%	9%	6%	9%	9%	grade 1 events	417	246	427	281	478	474
								0%	0%	0%	0%	0%	0%
							grade 2 events	29234	139536	31658	84556	32362	30085
								17%	35%	16%	20%	16%	16%
							grade 3 events	8744	19578	10635	38776	11134	10122
								5%	4%	5%	9%	5%	5%
							grade 4 events	8646	19056	10671	37770	11249	9963
								5%	4%	5%	9%	5%	5%
							grade 5 events	1309	8099	1451	5494	1541	1358
								0%	2%	0%	1%	0%	0%
							grade 6 events	20782	100178	28385	123916	26645	25590
								12%	25%	14%	30%	13%	13%
							grade 7 events	16974	33135	16538	18813	17525	15978
								10%	8%	8%	4%	8%	8%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	15.77826217988827
[deg] Pointing Dec	0	24.37161863242964
[deg] Pointing Roll	0.0	144.3224583957852
[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)	85934772.17399999	85934771.406029
Observation start date	2000-09-21T14:46:12	2000-09-21T14:46:11
[s] Observation end time (MET)	85945280.47499999	85945279.706424
Observation end date	2000-09-21T17:41:20	2000-09-21T17:41:19
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9032408105135

### A.2 Comments