

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58147 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 3 2012

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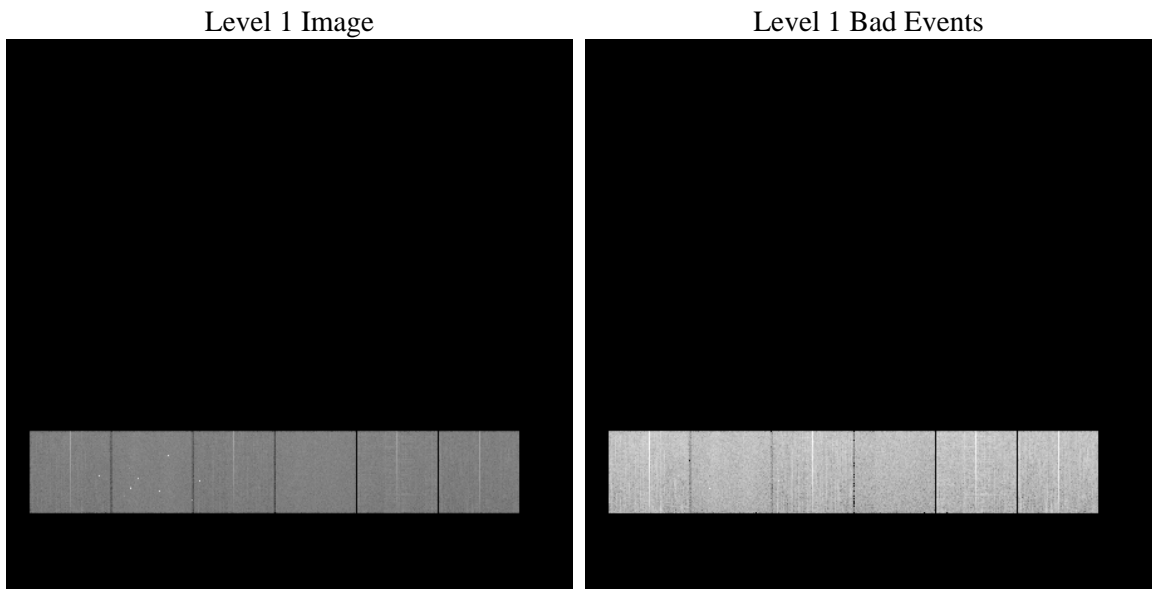
# 1 Front

seq_num	&#160	Sequence number
obs_id	58147	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	33.967679334019	Nominal RA [deg]
dec_nom	43.983152326474	Nominal Dec [deg]
roll_nom	183.00937460866	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7788.7999710441	Sum of GTIs [s]
livetime	7690.1734959584	Livetime [s]
ontime4	7785.5589903593	Sum of GTIs [s]
ontime5	7788.7999710441	Sum of GTIs [s]
ontime6	7788.7999710441	Sum of GTIs [s]
ontime7	7788.7999710441	Sum of GTIs [s]
ontime8	7788.7999710441	Sum of GTIs [s]
ontime9	7788.7999710441	Sum of GTIs [s]
l2events	698756	Number of level 2 events

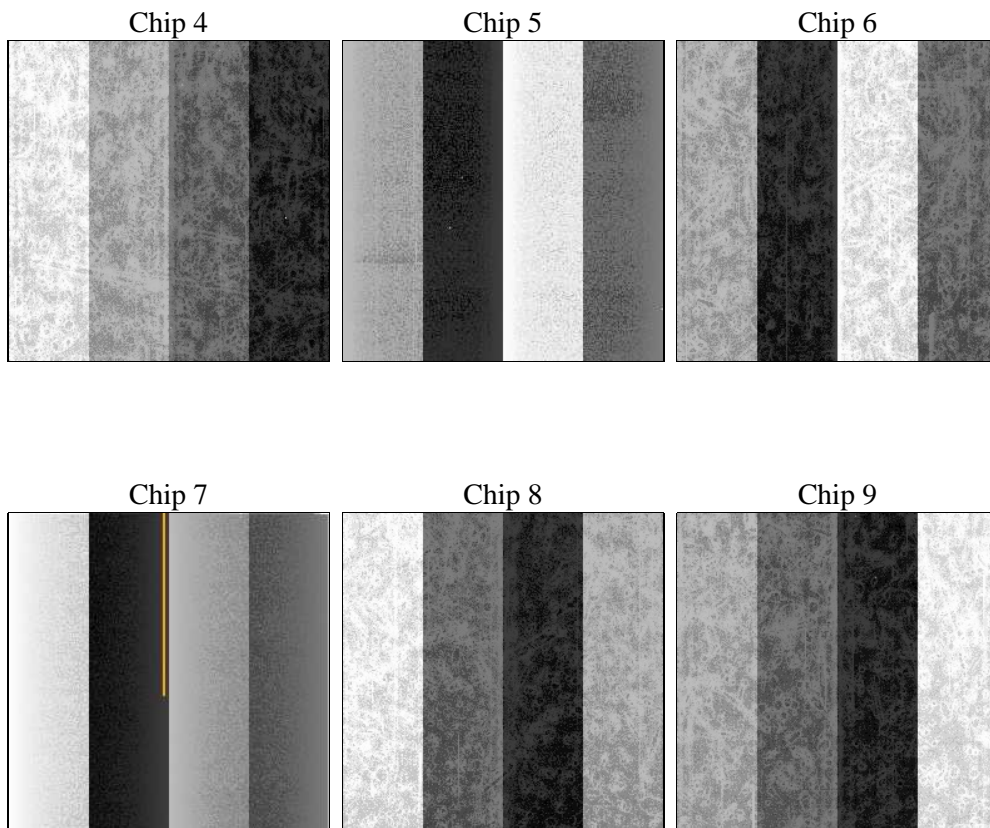
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	7788.7999710441	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7785.5589903593	Sum of GTIs [s]
date	2012-05-04T01:43:49	Date and time of file creation	ontime5	7788.7999710441	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7788.7999710441	Sum of GTIs [s]
			ontime7	7788.7999710441	Sum of GTIs [s]
			ontime8	7788.7999710441	Sum of GTIs [s]
			ontime9	7788.7999710441	Sum of GTIs [s]
			l1events	1218651	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	193270	213519	198145	207567	213028	193122	grade 0 events	65218	26234	65435	29774	66863	61059
rejected events	82459	68488	77252	63133	83140	79871		33%	12%	33%	14%	31%	31%
rejected %	42%	32%	38%	30%	39%	41%	grade 1 events	621	392	394	155	413	447
								0%	0%	0%	0%	0%	0%
							grade 2 events	16085	54622	21036	32002	23578	19217
								8%	25%	10%	15%	11%	9%
							grade 3 events	7503	6205	7191	13300	8812	7421
								3%	2%	3%	6%	4%	3%
							grade 4 events	7448	5994	7268	13036	8635	7378
								3%	2%	3%	6%	4%	3%
							grade 5 events	3857	8774	4271	10305	5308	4592
								1%	4%	2%	4%	2%	2%
							grade 6 events	14557	51976	19963	56322	22000	18209
								7%	24%	10%	27%	10%	9%
							grade 7 events	77981	59322	72587	52673	77419	74799
								40%	27%	36%	25%	36%	38%

## 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	33.96767933401918
[deg] Pointing Dec	0	43.98315232647356
[deg] Pointing Roll	0.0	183.0093746086617
[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)	310245866.259911	310245865.2349
Observation start date	2007-10-31T19:24:26	2007-10-31T19:24:25
[s] Observation end time (MET)	310268535.161005	310268534.13599
Observation end date	2007-11-01T01:42:15	2007-11-01T01:42:14
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	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7887999710441

### **A.2 Comments**