

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61174 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 9 2012

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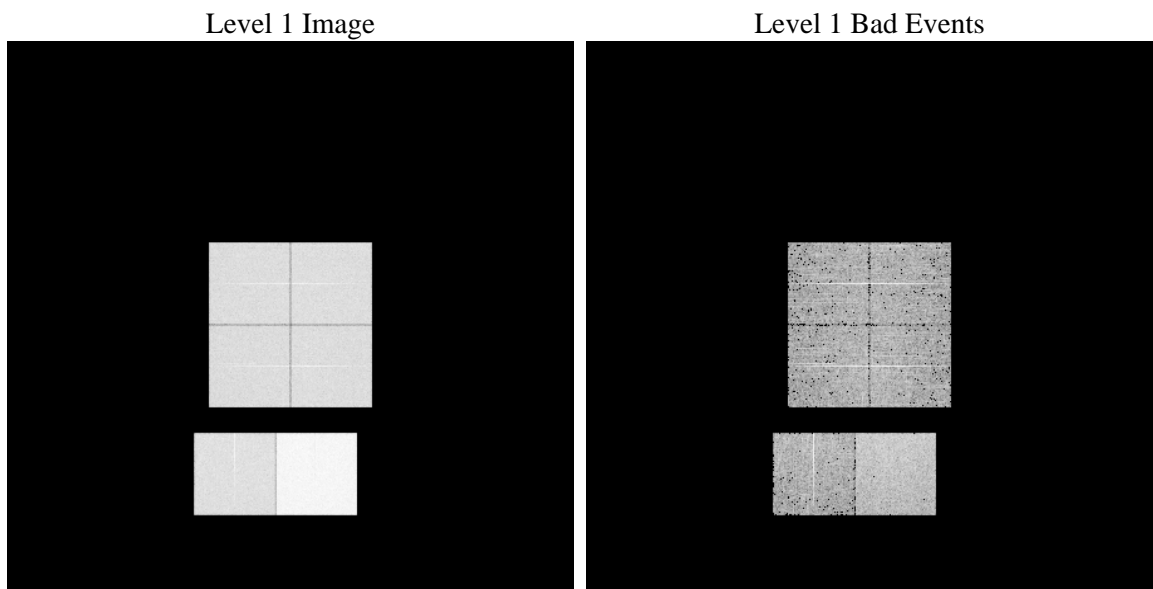
# 1 Front

seq_num	&#160	Sequence number
obs_id	61174	Observation id
title	ACIS-012367 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	180.00553039389	Nominal RA [deg]
dec_nom	-5.7280606093816	Nominal Dec [deg]
roll_nom	248.28710571554	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7794.606408298	Sum of GTIs [s]
livetime	7695.9064086076	Livetime [s]
ontime0	3276.685711503	Sum of GTIs [s]
ontime1	3351.2286150753	Sum of GTIs [s]
ontime2	3143.8039789796	Sum of GTIs [s]
ontime3	3218.3470614851	Sum of GTIs [s]
ontime6	3480.2110024393	Sum of GTIs [s]
ontime7	7794.606408298	Sum of GTIs [s]
l2events	1222763	Number of level 2 events

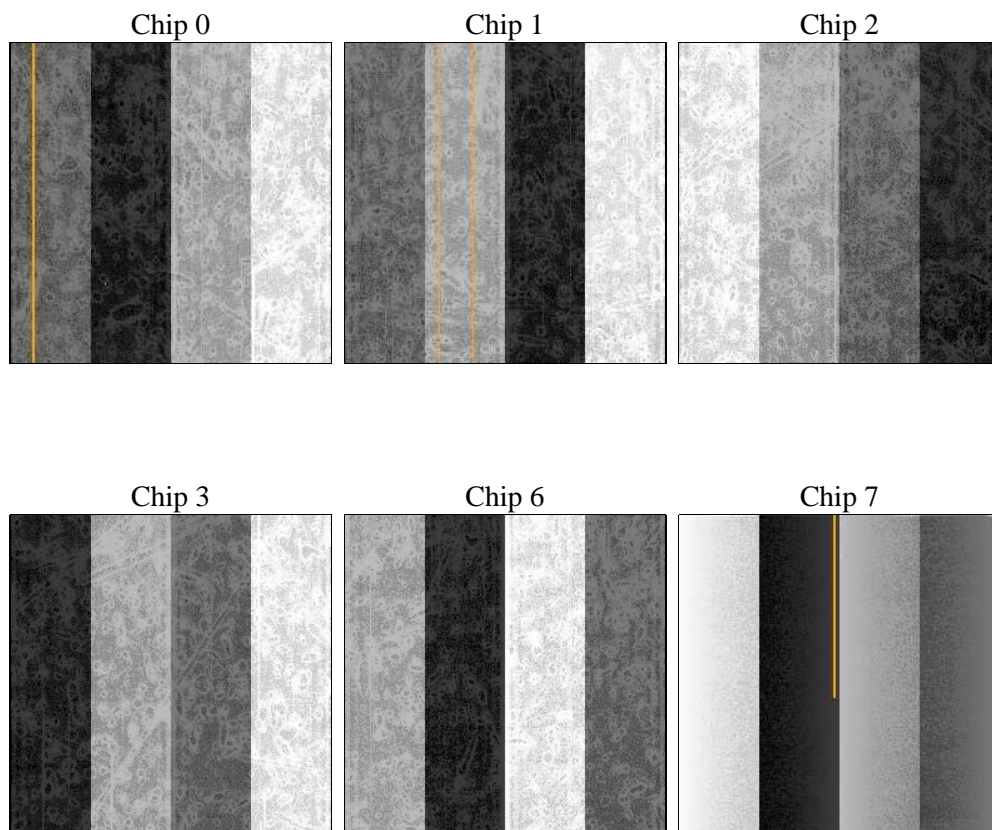
## 2 OBI

### 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	7794.606408298	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	3276.685711503	Sum of GTIs [s]
date	2012-10-09T03:35:46	Date and time of file creation	ontime1	3351.2286150753	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3143.8039789796	Sum of GTIs [s]
			ontime3	3218.3470614851	Sum of GTIs [s]
			ontime6	3480.2110024393	Sum of GTIs [s]
			ontime7	7794.606408298	Sum of GTIs [s]
			l1events	1440201	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	190907	196377	186437	191876	212236	462368	grade 0 events	91806	94483	89994	92746	100992	106848
rejected events	23395	24327	24168	25016	25581	42606		48%	48%	48%	48%	47%	23%
rejected %	12%	12%	12%	13%	12%	9%	grade 1 events	486	525	461	492	505	260
								0%	0%	0%	0%	0%	0%
							grade 2 events	29801	30383	28691	29466	32664	93054
								15%	15%	15%	15%	15%	20%
							grade 3 events	10492	10959	9961	10575	11381	42220
								5%	5%	5%	5%	5%	9%
							grade 4 events	10710	10975	10247	10521	11360	41828
								5%	5%	5%	5%	5%	9%
							grade 5 events	1659	1725	1600	1726	1872	8507
								0%	0%	0%	0%	0%	1%
							grade 6 events	24703	25250	23376	23552	30258	135812
								12%	12%	12%	12%	14%	29%
							grade 7 events	21250	22077	22107	22798	23204	33839
								11%	11%	11%	11%	10%	7%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	180.0055303938913	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-5.728060609381632	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	248.287105715537			
[mm] SIM focus pos	-0.782348	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	139581507.44	139581506.41534			
Observation start date	2002-06-04T12:38:27	2002-06-04T12:38:26			
[s] Observation end time (MET)	139613671.941	139613670.91665			
Observation end date	2002-06-04T21:34:32	2002-06-04T21:34:30			
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)	2012.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.794606408298

### **A.2 Comments**