

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58231 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 30 2012

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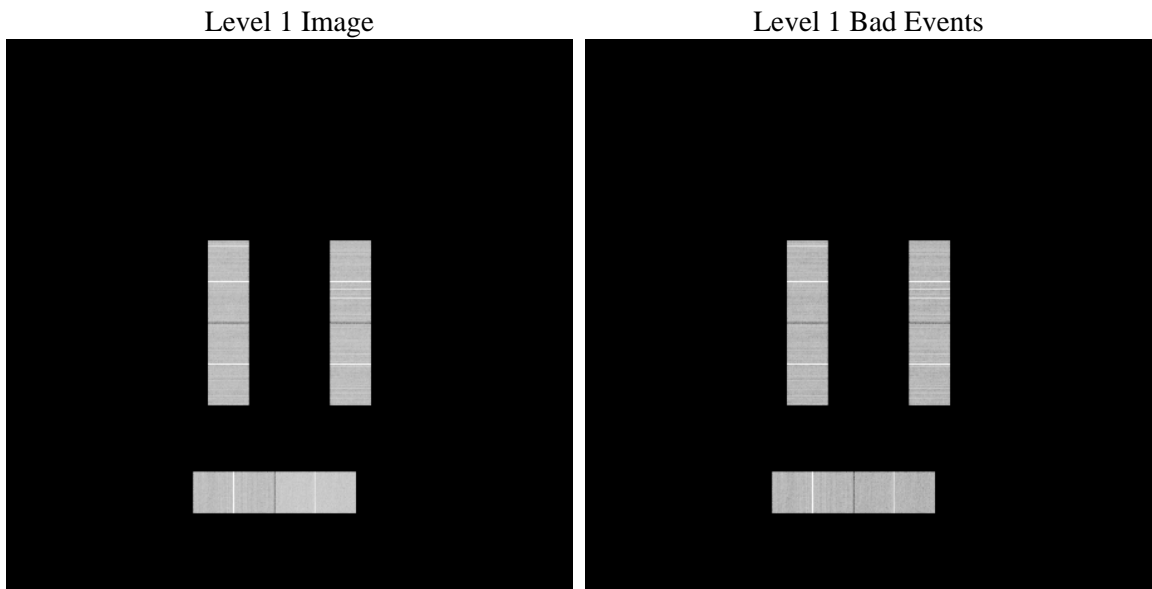
# 1 Front

seq_num	&#160	Sequence number
obs_id	58231	Observation id
title	ACIS-012367 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	224.43173001203	Nominal RA [deg]
dec_nom	37.399464347604	Nominal Dec [deg]
roll_nom	286.4506742774	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7706.5	Sum of GTIs [s]
livetime	7676.396484375	Livetime [s]
ontime0	4763.5922157764	Sum of GTIs [s]
ontime1	4889.081332922	Sum of GTIs [s]
ontime2	4622.0517288446	Sum of GTIs [s]
ontime3	4932.8564097881	Sum of GTIs [s]
ontime6	4979.3081714511	Sum of GTIs [s]
ontime7	7706.5	Sum of GTIs [s]
l2events	329822	Number of level 2 events

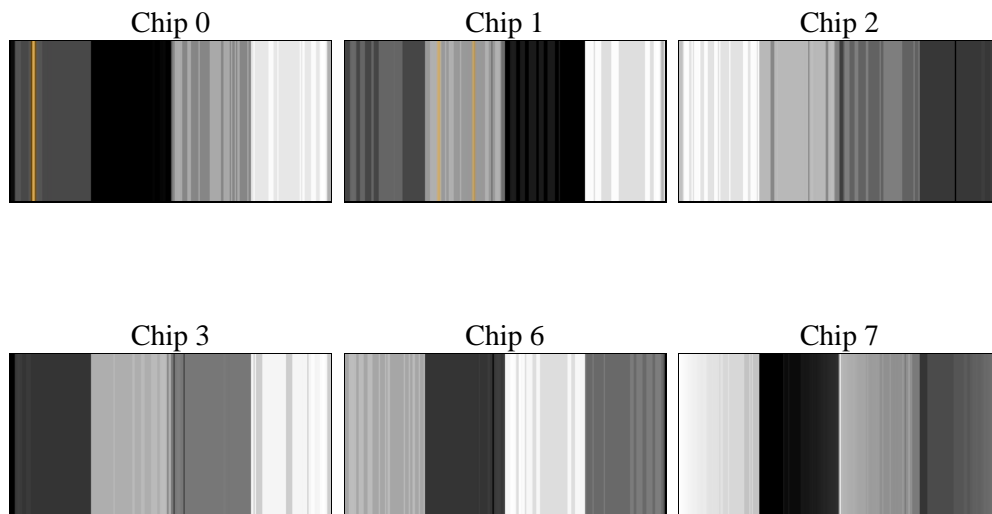
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	900	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7706.5	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	4763.5922157764	Sum of GTIs [s]
date	2012-04-30T18:16:56	Date and time of file creation	ontime1	4889.081332922	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4622.0517288446	Sum of GTIs [s]
			ontime3	4932.8564097881	Sum of GTIs [s]
			ontime6	4979.3081714511	Sum of GTIs [s]
			ontime7	7706.5	Sum of GTIs [s]
			l1events	1374903	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	219762	223138	207965	217921	221632	284485	grade 0 events	8347	7465	7387	7957	6440	23584
rejected events	180701	181133	170722	175896	177289	142276		3%	3%	3%	3%	2%	8%
rejected %	82%	81%	82%	80%	79%	50%	grade 1 events	74	60	69	80	73	183
								0%	0%	0%	0%	0%	0%
							grade 2 events	38366	40539	38486	41366	43362	43209
								17%	18%	18%	18%	19%	15%
							grade 3 events	1896	1666	1604	1842	1646	10562
								0%	0%	0%	0%	0%	3%
							grade 4 events	1782	1651	1666	1713	1601	10186
								0%	0%	0%	0%	0%	3%
							grade 5 events	2249	2423	2117	2562	2638	10874
								1%	1%	1%	1%	1%	3%
							grade 6 events	13404	14070	12714	13710	15438	58703
								6%	6%	6%	6%	6%	20%
							grade 7 events	153644	155264	143922	148691	150434	127184
								69%	69%	69%	68%	67%	44%

## 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	OVERRIDE	OVERRIDE
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	224.4317300120254	224.4317300120254	Subarray requested	NONE	NONE
[deg] Pointing Dec	37.39946434760356	37.39946434760357	Alternating exposures requested	N	N
[deg] Pointing Roll	286.4506742773998	286.4506742773998	[s] Primary exposure time	0	0
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119			
[mm] SIM defocus	0.8505140384245534	0.8505140384245534			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	305676299.189689	305676299.189689			
Observation start date	2007-09-08T22:38:00	2007-09-08T22:04:59			
[s] Observation end time (MET)	305685818.736136	305685818.736136			
Observation end date	2007-09-08T22:53:00	2007-09-09T00:43:38			
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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7065

## A.2 Comments