

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58349 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 27 2012

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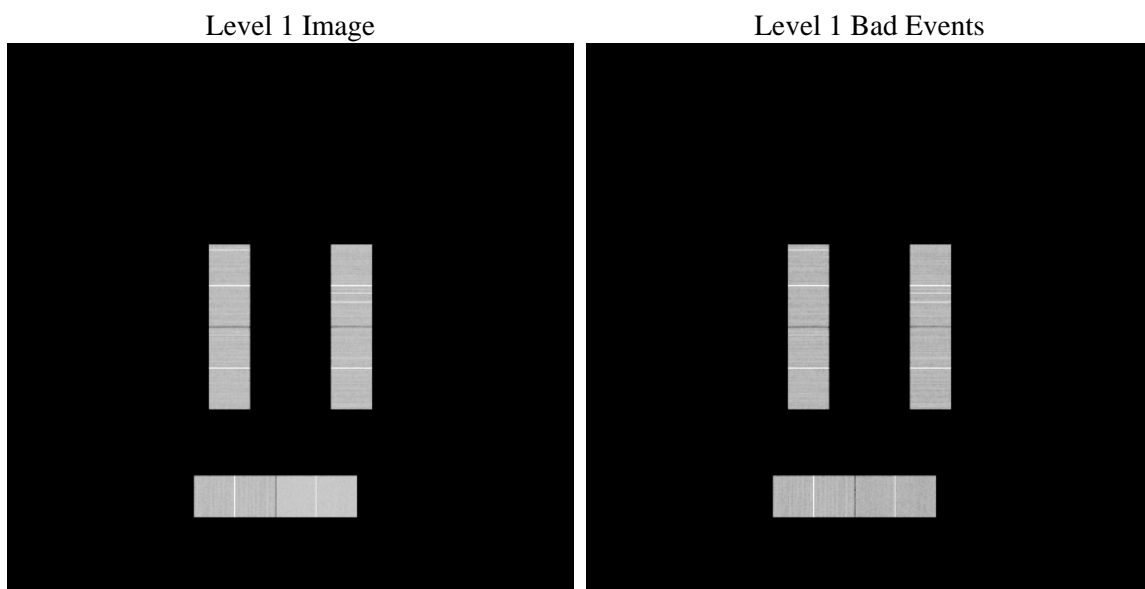
# 1 Front

seq_num	&#160	Sequence number
obs_id	58349	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	279.03128599556	Nominal RA [deg]
dec_nom	-52.978303245081	Nominal Dec [deg]
roll_nom	16.188935525072	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8326.75	Sum of GTIs [s]
livetime	8294.2236328125	Livetime [s]
ontime0	5042.4292454123	Sum of GTIs [s]
ontime1	5157.416490674	Sum of GTIs [s]
ontime2	4776.5696697831	Sum of GTIs [s]
ontime3	5163.5410572886	Sum of GTIs [s]
ontime6	5230.3753182888	Sum of GTIs [s]
ontime7	8326.75	Sum of GTIs [s]
l2events	357517	Number of level 2 events

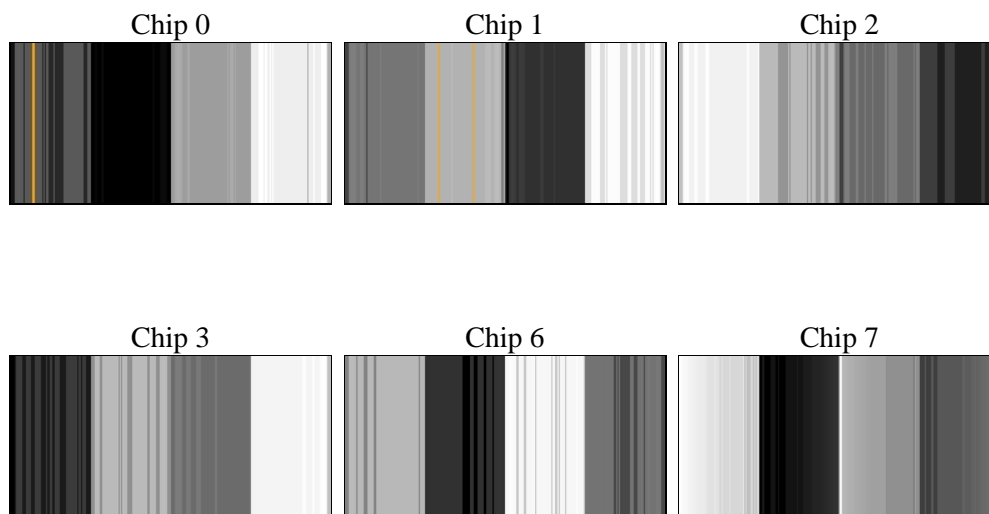
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	8326.75	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	5042.4292454123	Sum of GTIs [s]
date	2012-04-27T02:12:43	Date and time of file creation	ontime1	5157.416490674	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4776.5696697831	Sum of GTIs [s]
			ontime3	5163.5410572886	Sum of GTIs [s]
			ontime6	5230.3753182888	Sum of GTIs [s]
			ontime7	8326.75	Sum of GTIs [s]
			l1events	1456574	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	229076	241838	222983	225264	232029	305384	grade 0 events	8778	8012	7842	8556	6713	26321
rejected events	186731	198119	185339	179271	185035	146563		3%	3%	3%	3%	2%	8%
rejected %	81%	81%	83%	79%	79%	47%	grade 1 events	70	68	83	80	67	206
								0%	0%	0%	0%	0%	0%
							grade 2 events	41808	44098	40854	44526	47275	47124
								18%	18%	18%	19%	20%	15%
							grade 3 events	1925	1757	1707	2033	1800	11602
								0%	0%	0%	0%	0%	3%
							grade 4 events	1869	1723	1776	1899	1696	11448
								0%	0%	0%	0%	0%	3%
							grade 5 events	2369	2529	2267	2672	2737	11520
								1%	1%	1%	1%	1%	3%
							grade 6 events	14290	15254	13501	14823	16539	63713
								6%	6%	6%	6%	7%	20%
							grade 7 events	157967	168397	154953	150675	155202	133450
								68%	69%	69%	66%	66%	43%

## 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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	279.0312859955628	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-52.97830324508125	[s] Primary exposure time	0	0
[deg] Pointing Roll	0.0	16.18893552507229			
[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)	298862447.362826	298862446.33784			
Observation start date	2007-06-22T01:20:47	2007-06-22T01:20:46			
[s] Observation end time (MET)	298885458.613927	298885457.58894			
Observation end date	2007-06-22T07:44:19	2007-06-22T07:44:17			
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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.32675

### A.2 Comments