

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58068 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 7 2012

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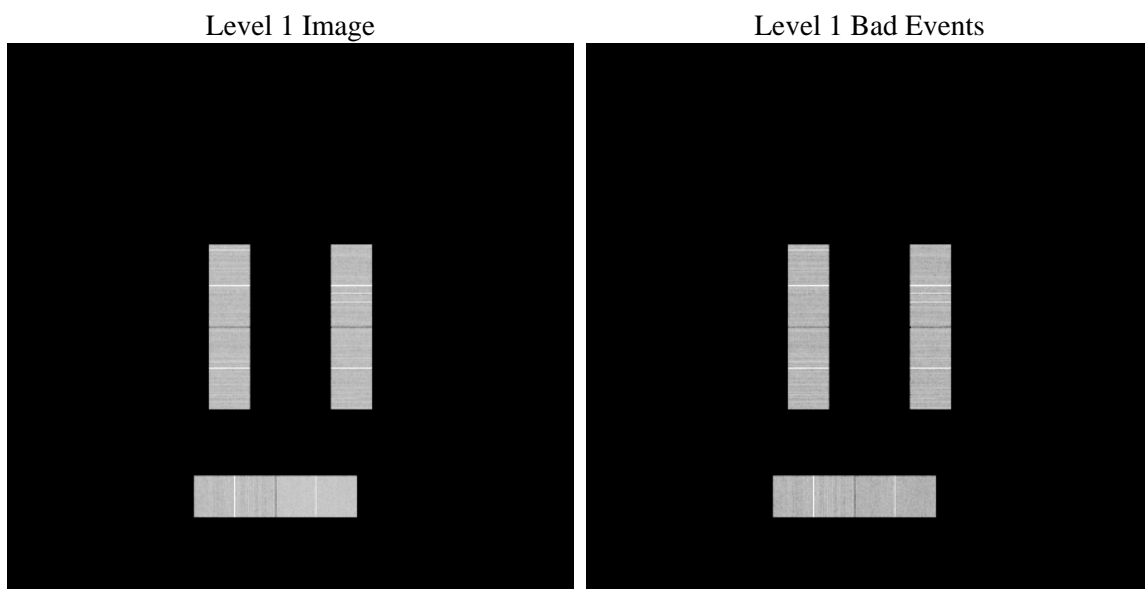
# 1 Front

seq_num	&#160	Sequence number
obs_id	58068	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	114.48233751869	Nominal RA [deg]
dec_nom	24.523831393911	Nominal Dec [deg]
roll_nom	91.07462052899	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5504.25	Sum of GTIs [s]
livetime	5482.7490234375	Livetime [s]
ontime0	3621.1267772317	Sum of GTIs [s]
ontime1	3731.3558673263	Sum of GTIs [s]
ontime2	3508.7709177732	Sum of GTIs [s]
ontime3	3727.6464389563	Sum of GTIs [s]
ontime6	3765.5850354433	Sum of GTIs [s]
ontime7	5504.25	Sum of GTIs [s]
l2events	239917	Number of level 2 events

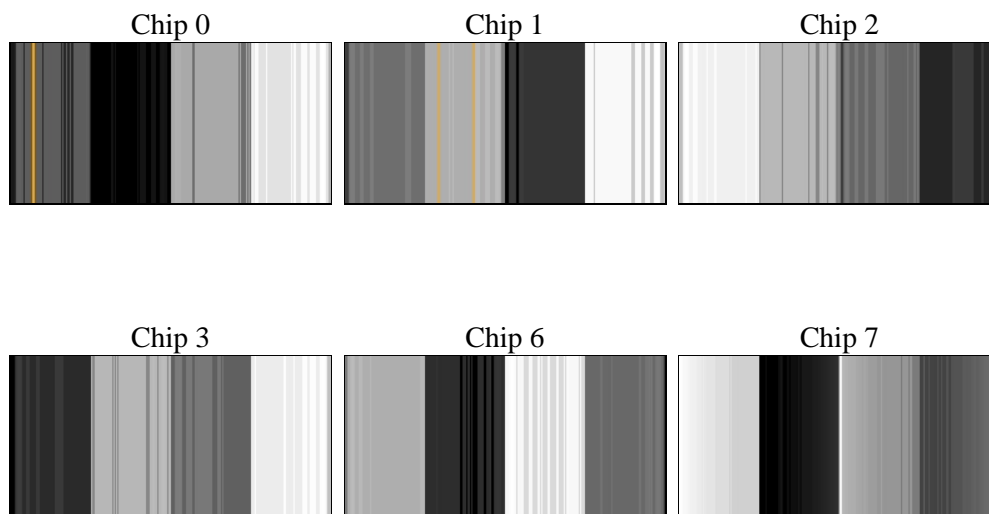
## 2 OBI

### 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	5504.25	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime0	3621.1267772317	Sum of GTIs [s]
date	2012-05-07T04:47:43	Date and time of file creation	ontime1	3731.3558673263	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3508.7709177732	Sum of GTIs [s]
			ontime3	3727.6464389563	Sum of GTIs [s]
			ontime6	3765.5850354433	Sum of GTIs [s]
			ontime7	5504.25	Sum of GTIs [s]
			l1events	956590	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	153624	158973	148984	149034	155190	190785	grade 0 events	5797	5261	5185	5534	4431	14979
rejected events	123594	126997	120264	116653	121649	94639		3%	3%	3%	3%	2%	7%
rejected %	80%	79%	80%	78%	78%	49%	grade 1 events	52	49	62	60	44	119
								0%	0%	0%	0%	0%	0%
							grade 2 events	26892	28668	27045	28471	30632	28800
								17%	18%	18%	19%	19%	15%
							grade 3 events	1300	1114	1177	1425	1213	6694
								0%	0%	0%	0%	0%	3%
							grade 4 events	1257	1191	1144	1343	1171	6511
								0%	0%	0%	0%	0%	3%
							grade 5 events	1729	1796	1567	1829	1912	7307
								1%	1%	1%	1%	1%	3%
							grade 6 events	9465	9907	9059	9808	10621	39310
								6%	6%	6%	6%	6%	20%
							grade 7 events	107132	110987	103745	100564	105166	87065
								69%	69%	69%	67%	67%	45%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	CC33_FAINT	CC33_FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	114.4823375186901
[deg] Pointing Dec	0	24.52383139391073
[deg] Pointing Roll	0.0	91.07462052898984
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.7524282956875696
[mm] SIM translation stage pos	-233.592463	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	314359289.85861	314359288.83361
Observation start date	2007-12-18T10:01:30	2007-12-18T10:01:28
[s] Observation end time (MET)	314374109.309327	314374108.28432
Observation end date	2007-12-18T14:08:29	2007-12-18T14:08:28
Read mode	CONTINUOUS	CONTINUOUS

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	0

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.50425

### A.2 Comments