

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58125 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 4 2012

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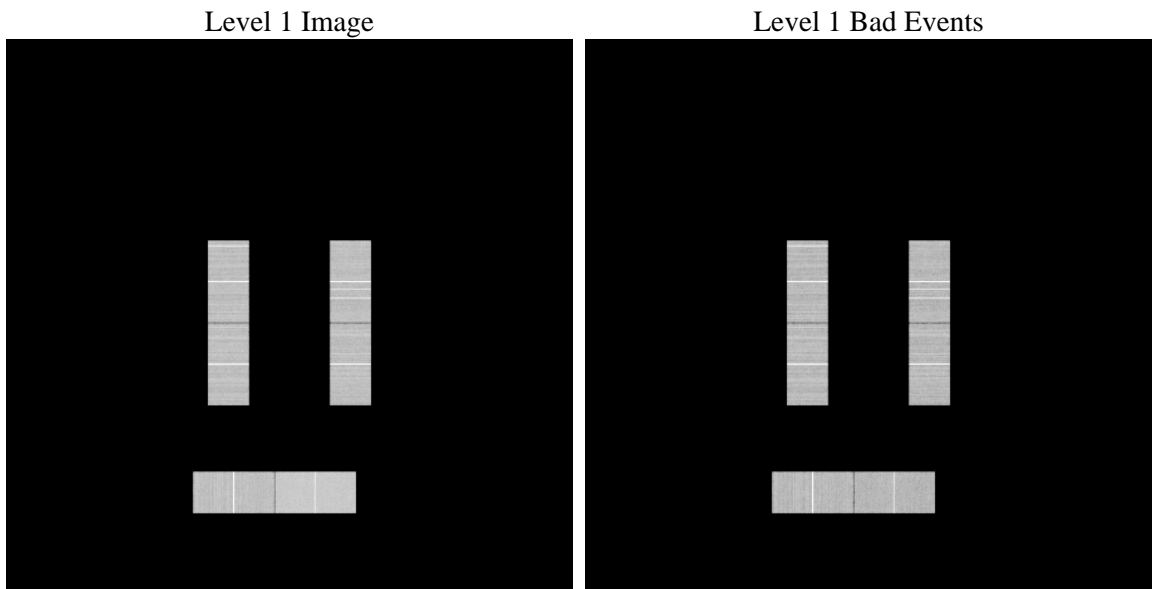
# 1 Front

seq_num	&#160	Sequence number
obs_id	58125	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	61.45983194538	Nominal RA [deg]
dec_nom	31.998271531372	Nominal Dec [deg]
roll_nom	151.07439808929	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6860.25	Sum of GTIs [s]
livetime	6833.4521484375	Livetime [s]
ontime0	4286.2690750957	Sum of GTIs [s]
ontime1	4481.7993329763	Sum of GTIs [s]
ontime2	4140.3511165977	Sum of GTIs [s]
ontime3	4420.5135022402	Sum of GTIs [s]
ontime6	4554.7584106922	Sum of GTIs [s]
ontime7	6860.25	Sum of GTIs [s]
l2events	293630	Number of level 2 events

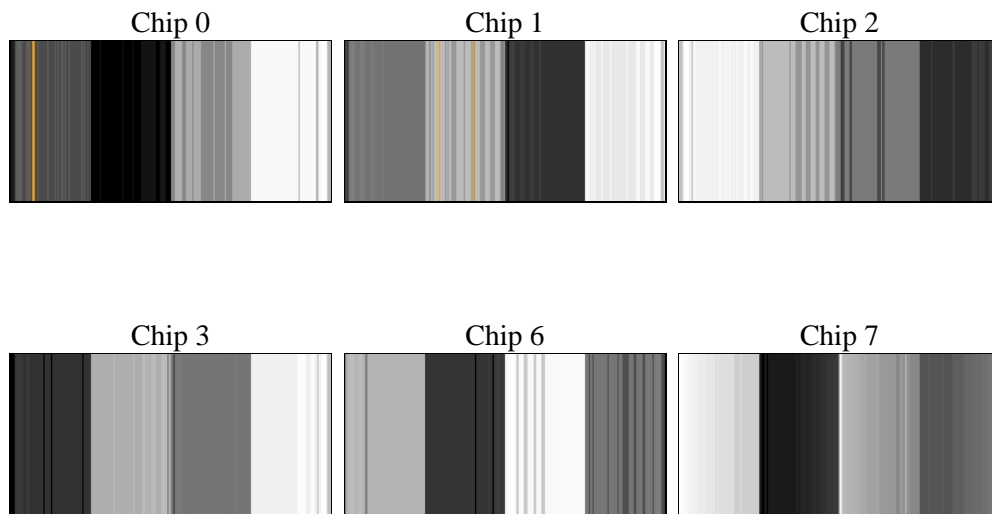
## 2 OBI

### 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	6860.25	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	4286.2690750957	Sum of GTIs [s]
date	2012-05-04T17:37:09	Date and time of file creation	ontime1	4481.7993329763	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4140.3511165977	Sum of GTIs [s]
			ontime3	4420.5135022402	Sum of GTIs [s]
			ontime6	4554.7584106922	Sum of GTIs [s]
			ontime7	6860.25	Sum of GTIs [s]
			l1events	1229227	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	195313	198893	192070	191330	199032	252589	grade 0 events	7332	6984	6724	7394	6073	19518
rejected events	159778	160805	159801	153279	157683	128930		3%	3%	3%	3%	3%	7%
rejected %	81%	80%	83%	80%	79%	51%	grade 1 events	62	66	76	90	55	136
								0%	0%	0%	0%	0%	0%
							grade 2 events	34369	36812	33900	36611	39402	38447
								17%	18%	17%	19%	19%	15%
							grade 3 events	1655	1547	1454	1731	1551	8906
								0%	0%	0%	0%	0%	3%
							grade 4 events	1673	1498	1437	1526	1558	8507
								0%	0%	0%	0%	0%	3%
							grade 5 events	2083	2291	1925	2284	2438	9749
								1%	1%	1%	1%	1%	3%
							grade 6 events	12028	12860	11246	12340	13864	52641
								6%	6%	5%	6%	6%	20%
							grade 7 events	136111	136835	135308	129354	134091	114685
								69%	68%	70%	67%	67%	45%

## 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	61.45983194561041	61.45983194538042	Subarray requested	NONE	NONE
[deg] Pointing Dec	31.99827153172336	31.99827153137162	Alternating exposures requested	N	N
[deg] Pointing Roll	151.0743980989521	151.0743980892903	[s] Primary exposure time	0	0
[mm] SIM focus pos	-0.78090834371673	-0.78090834371673			
[mm] SIM defocus	0.7524282194390134	0.7524282194390134			
[mm] SIM translation stage pos	250.4660330802	250.4660330802			
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584			
[s] Observation start time (MET)	311843644.537041	311843644.537041			
Observation start date	2007-11-19T07:46:00	2007-11-19T07:14:04			
[s] Observation end time (MET)	311852334.933121	311852334.933121			
Observation end date	2007-11-19T07:46:00	2007-11-19T09:38:54			
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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.86025

## A.2 Comments