

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 62350 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 19 2009

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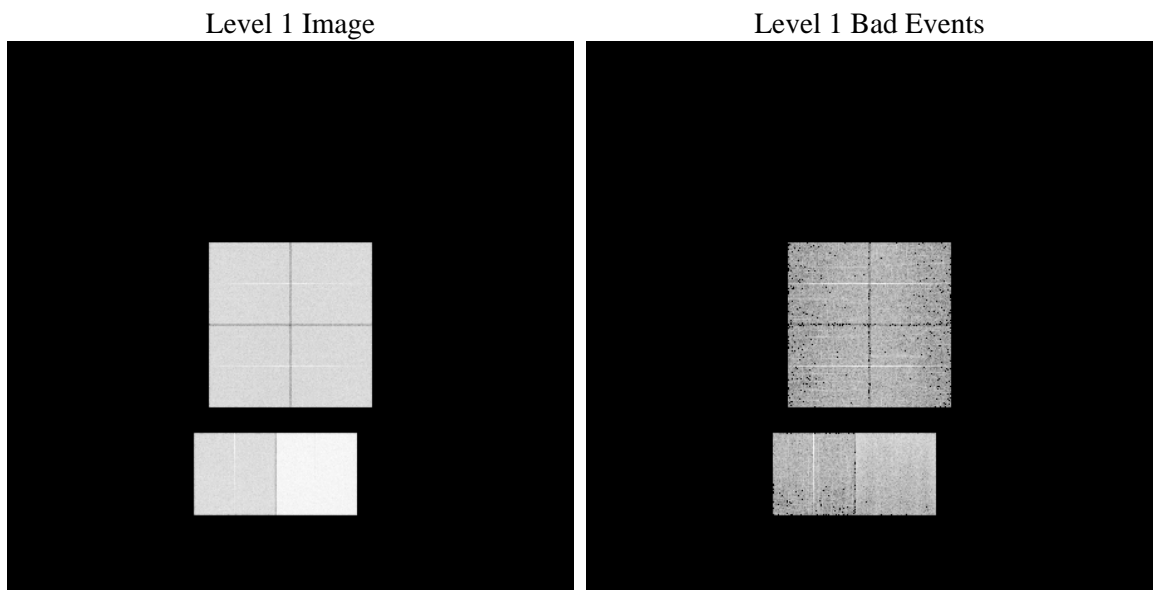
# 1 Front

seq_num	&#160	Sequence number
obs_id	62350	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
dec_targ	0.0	Observer's specified target Dec
ra_nom	104.7876176928	Nominal RA
dec_nom	-24.473292982228	Nominal Dec
roll_nom	81.303213341375	Nominal Roll
revision	3	Processing version of data
ontime	4851.3143872023	Sum of GTIs [s]
livetime	4789.8841233207	Livetime [s]
ontime0	1889.5249470845	Sum of GTIs [s]
ontime1	1908.9712170586	Sum of GTIs [s]
ontime2	1785.8116070256	Sum of GTIs [s]
ontime3	1849.9717199877	Sum of GTIs [s]
ontime6	2041.1520403549	Sum of GTIs [s]
ontime7	4851.3143872023	Sum of GTIs [s]
l2events	1315776	Number of level 2 events

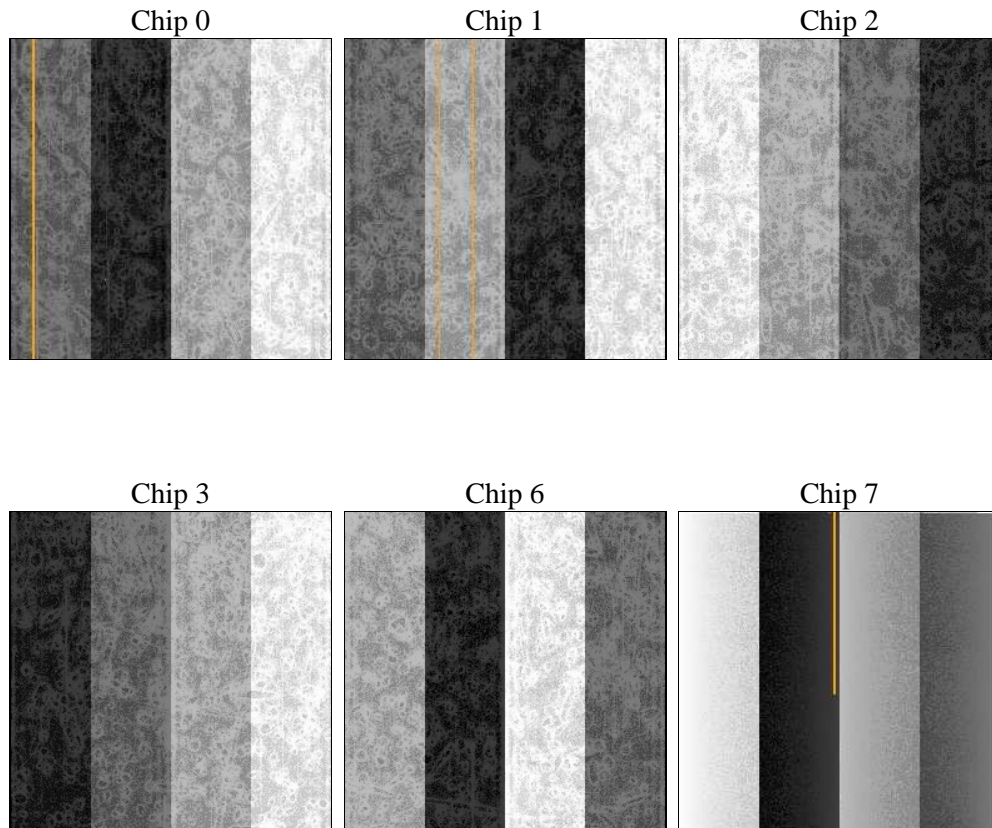
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number		
ascdsver	8.1.1	ASCDS version number	sched_exp_time	0.0
caldsver	4.1.4	&#160		
date	2009-11-19T23:44:28	Date and time of file creation	ontime	4851.3143872023
revision	3	Processing version of data	ontime0	1889.5249470845
			ontime1	1908.9712170586
			ontime2	1785.8116070256
			ontime3	1849.9717199877
			ontime6	2041.1520403549
			ontime7	4851.3143872023
			l1events	1518101

### 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	195358	198557	187706	194307	220096	522077	grade 0 events	62519	63404	51333	55769	52804	86289
rejected events	26088	26864	27347	26895	31745	49880		32%	31%	27%	28%	23%	16%
rejected %	13%	13%	14%	13%	14%	9%	grade 1 events	276	257	223	260	206	207
								0%	0%	0%	0%	0%	0%
							grade 2 events	63605	64319	69422	70520	87960	132608
								32%	32%	36%	36%	39%	25%
							grade 3 events	6701	6902	5371	5814	5484	40787
								3%	3%	2%	2%	2%	7%
							grade 4 events	6613	6804	5328	5800	5450	37322
								3%	3%	2%	2%	2%	7%
							grade 5 events	1784	1717	1597	1701	1869	7332
								0%	0%	0%	0%	0%	1%
							grade 6 events	29832	30264	28905	29509	36653	175191
								15%	15%	15%	15%	16%	33%
							grade 7 events	24028	24890	25527	24934	29670	42341
								12%	12%	13%	12%	13%	8%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
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
Pointing RA	0	104.7876176928046	Alternating exposures requested	N	N
Pointing Dec	0	-24.47329298222786	Primary exposure time	0.000000	3.2
Pointing Roll	0.0	81.30321334137533			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.7524282956875696			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	56242730.932	56242730.163577			
Observation start date	1999-10-13T22:58:51	1999-10-13T22:58:50			
Observation end time	56252531.982	56252531.21393			
Observation end date	1999-10-14T01:42:12	1999-10-14T01:42:11			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.11.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8513143872023

## A.2 Comments

This calibration observation was acquired with the focal plane temperature raised from -120C to -110C, for attempted recalibration of ACIS for the 1999-09-16 through 2000-01-28 period. This reprocessing

of the data applies no CTI correction because none is available for that temperature.