

# V&V Reference Report

## L2 ASCDS Version : 8.3.3.1

Observation 62865 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 26 2010

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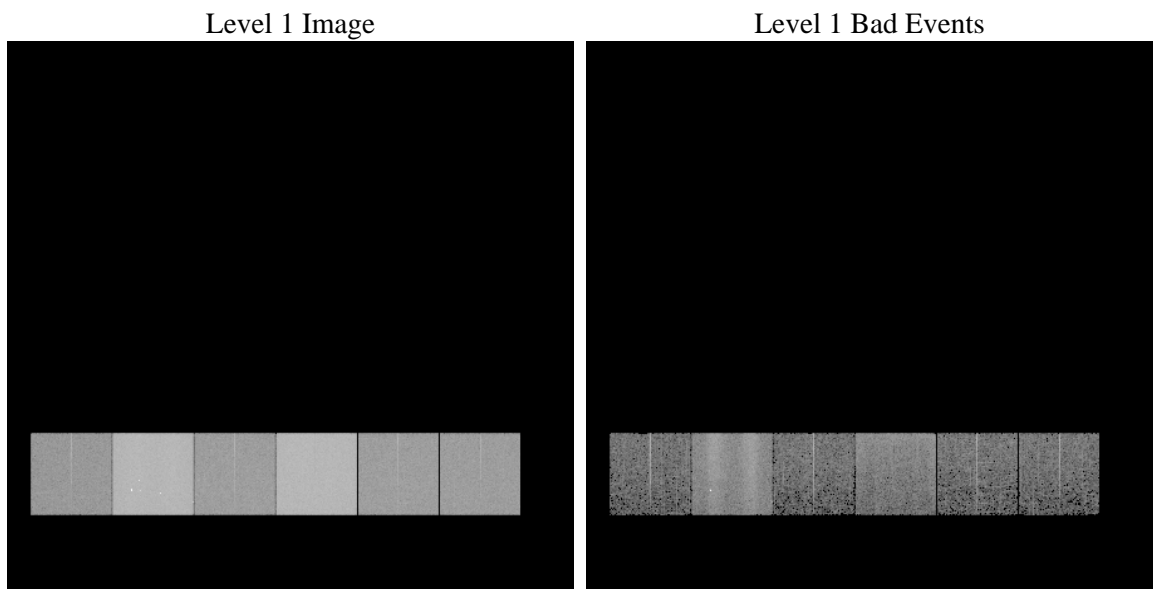
# 1 Front

seq_num	&#160	Sequence number
obs_id	62865	Observation id
title	ACIS-456789 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	268.19846928002	Nominal RA
dec_nom	-61.505376681495	Nominal Dec
roll_nom	268.95869259178	Nominal Roll
revision	3	Processing version of data
ontime	3428.5317912176	Sum of GTIs [s]
livetime	3385.1176572632	Livetime [s]
ontime4	1244.5580456182	Sum of GTIs [s]
ontime5	3652.6421715021	Sum of GTIs [s]
ontime6	1435.779326193	Sum of GTIs [s]
ontime7	3428.5317912176	Sum of GTIs [s]
ontime8	1419.5741261616	Sum of GTIs [s]
ontime9	1435.779326193	Sum of GTIs [s]
l2events	1130523	Number of level 2 events

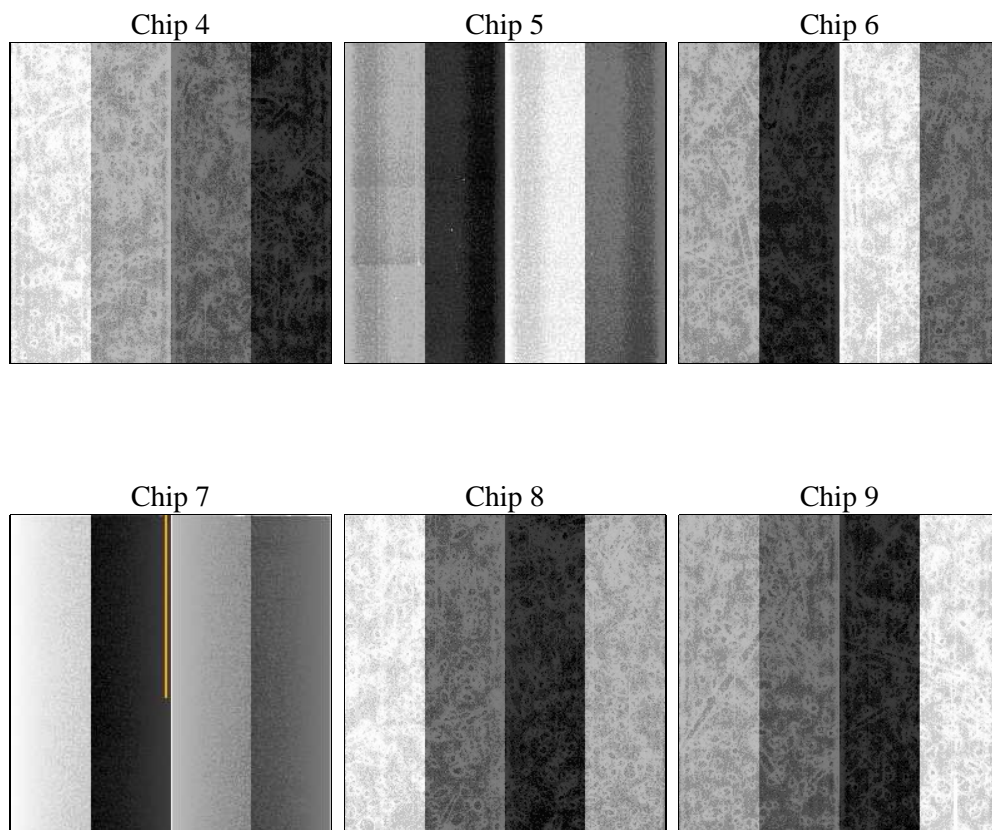
## 2 OBI

### 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	Scheduled observation exposure time
ascdsver	8.3.3.1	ASCDS version number	ontime	3428.5317912176	Sum of GTIs [s]
caldsver	4.4.0	&#160	ontime4	1244.5580456182	Sum of GTIs [s]
date	2010-11-26T18:51:10	Date and time of file creation	ontime5	3652.6421715021	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	1435.779326193	Sum of GTIs [s]
			ontime7	3428.5317912176	Sum of GTIs [s]
			ontime8	1419.5741261616	Sum of GTIs [s]
			ontime9	1435.779326193	Sum of GTIs [s]
			l1events	1340106	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	129098	368747	156001	376198	158094	151968	grade 0 events	26244	32524	37002	61281	47862	40522
rejected events	22043	61718	22673	36818	23076	21806		20%	8%	23%	16%	30%	26%
rejected %	17%	16%	14%	9%	14%	14%	grade 1 events	114	199	139	167	201	160
								0%	0%	0%	0%	0%	0%
							grade 2 events	55716	119292	62347	95114	53012	56782
								43%	32%	39%	25%	33%	37%
							grade 3 events	2643	15896	3767	29576	5114	4282
								2%	4%	2%	7%	3%	2%
							grade 4 events	2623	13769	3764	26526	4932	4233
								2%	3%	2%	7%	3%	2%
							grade 5 events	1086	6503	1303	5474	1376	1319
								0%	1%	0%	1%	0%	0%
							grade 6 events	19829	125548	26448	126883	24098	24343
								15%	34%	16%	33%	15%	16%
							grade 7 events	20843	55016	21231	31177	21499	20327
								16%	14%	13%	8%	13%	13%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
Pointing RA	0	268.1984692800237	Subarray requested	NONE	NONE
Pointing Dec	0	-61.50537668149539	Alternating exposures requested	N	N
Pointing Roll	0.0	268.9586925917756	Primary exposure time	3.2	3.2
SIM focus pos (mm)	-1.429586	-0.7809083437167272			
SIM defocus (mm)	0.1037507710433287	0.7524282956875696			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	54406199.667126	54406198.642126			
Observation start date	1999-09-22T16:50:00	1999-09-22T16:49:58			
Observation end time	54415598.917463	54415597.892463			
Observation end date	1999-09-22T19:26:39	1999-09-22T19:26:37			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.4285317912176

## A.2 Comments

This obsid originally appeared in telemetry with number 1312. It is documented in the spacecraft load as obsid 1314 in September 22 1999.

The same obsid

was reused in December 2000 as a science observation. Because this obsid was previously used for a different instrument configuration, the original telemetry file from 1999 was edited to change the obsid to 62865. The focal plane temperature is approximately -110 C during this observation.