

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 62311 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Nov 21 2009

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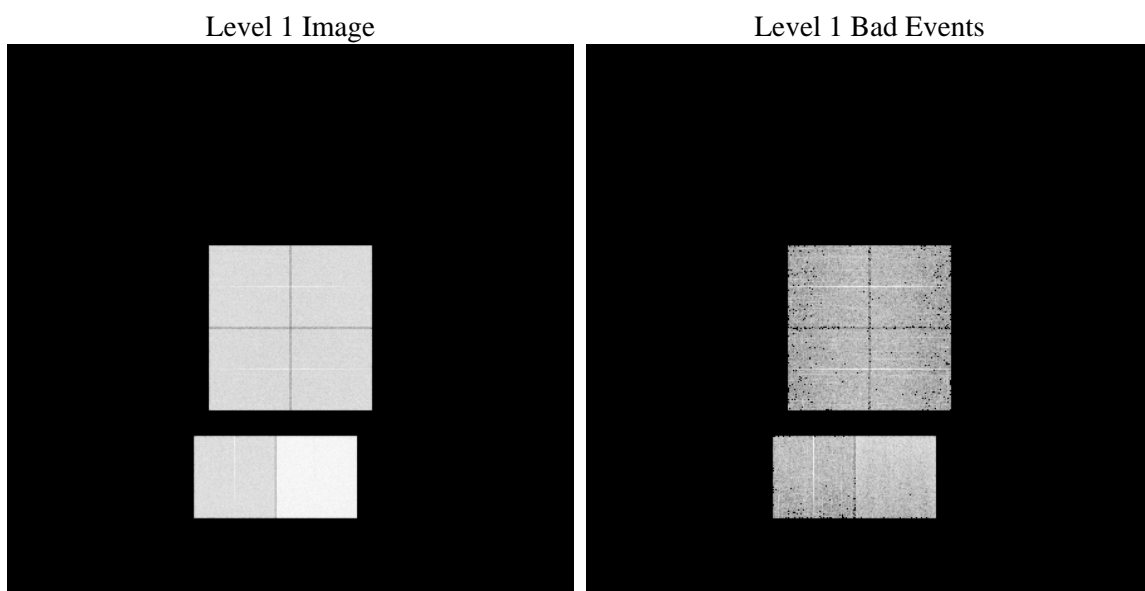
# 1 Front

seq_num	&#160	Sequence number
obs_id	62311	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	129.98846250708	Nominal RA
dec_nom	30.027197749094	Nominal Dec
roll_nom	78.412253104839	Nominal Roll
revision	4	Processing version of data
ontime	4894.9592421576	Sum of GTIs [s]
livetime	4832.9763208428	Livetime [s]
ontime0	1967.00576967	Sum of GTIs [s]
ontime1	1970.2877898142	Sum of GTIs [s]
ontime2	1853.6514494494	Sum of GTIs [s]
ontime3	1869.692429617	Sum of GTIs [s]
ontime6	2068.7959953472	Sum of GTIs [s]
ontime7	4894.9592421576	Sum of GTIs [s]
l2events	1314841	Number of level 2 events

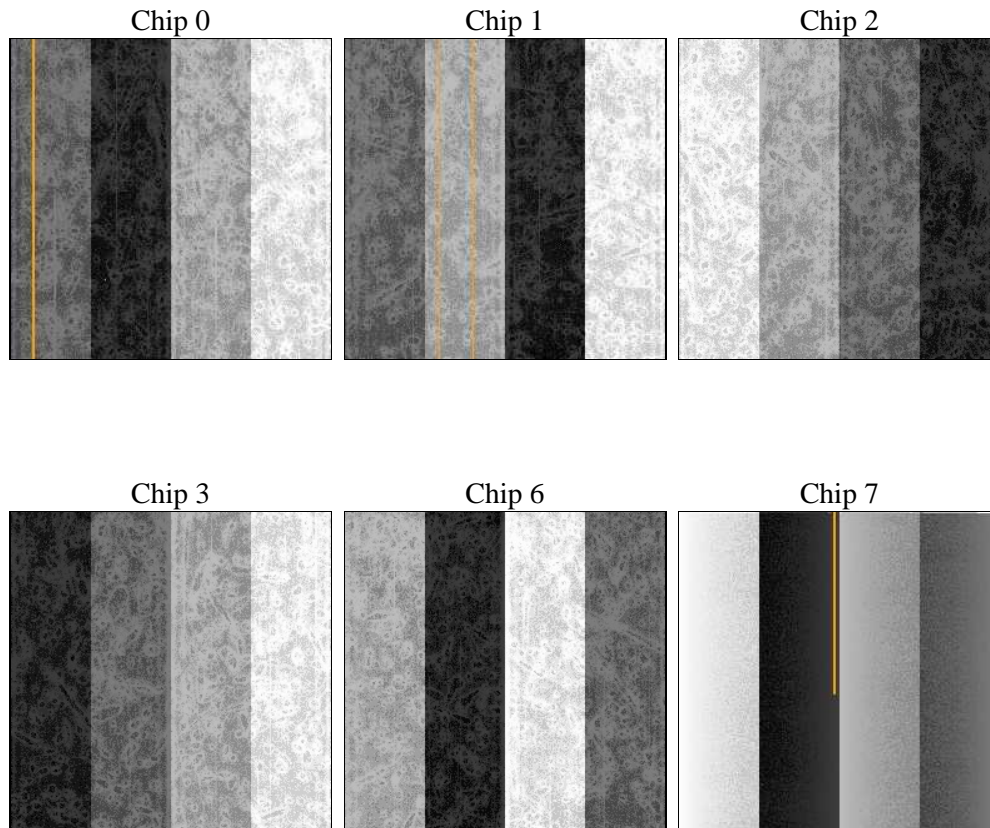
## 2 OBI

### 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	8.1.1	ASCDS version number	ontime	4894.9592421576	Sum of GTIs [s]
caldsver	4.1.4	&#160	ontime0	1967.00576967	Sum of GTIs [s]
date	2009-11-21T14:30:20	Date and time of file creation	ontime1	1970.2877898142	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1853.6514494494	Sum of GTIs [s]
			ontime3	1869.692429617	Sum of GTIs [s]
			ontime6	2068.7959953472	Sum of GTIs [s]
			ontime7	4894.9592421576	Sum of GTIs [s]
			l1events	1517023	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	201207	199946	190576	193062	219224	513008	grade 0 events	65665	65095	52231	54721	52911	86438
rejected events	27296	25644	27137	27394	32015	49189		32%	32%	27%	28%	24%	16%
rejected %	13%	12%	14%	14%	14%	9%	grade 1 events	263	288	238	219	184	226
								0%	0%	0%	0%	0%	0%
							grade 2 events	64236	65286	71269	70813	87471	130151
								31%	32%	37%	36%	39%	25%
							grade 3 events	7046	6937	5596	5681	5376	40337
								3%	3%	2%	2%	2%	7%
							grade 4 events	7057	7053	5481	5722	5411	36728
								3%	3%	2%	2%	2%	7%
							grade 5 events	1709	1633	1613	1687	1712	7030
								0%	0%	0%	0%	0%	1%
							grade 6 events	30544	30482	29136	29364	36909	171705
								15%	15%	15%	15%	16%	33%
							grade 7 events	24687	23172	25012	24855	29250	40393
								12%	11%	13%	12%	13%	7%

## 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	129.9884625070761	Alternating exposures requested	N	N
Pointing Dec	0	30.02719774909394	Primary exposure time	3.2	3.2
Pointing Roll	0.0	78.41225310483878			
SIM focus pos (mm)	-0.782348	-0.6828225247311905			
SIM defocus (mm)	0	0.8505141146731063			
SIM translation stage pos (mm)	-233.592463	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	58984425.630938	58984424.862485			
Observation start date	1999-11-14T16:33:46	1999-11-14T16:33:44			
Observation end time	58995573.53134	58995572.762887			
Observation end date	1999-11-14T19:39:34	1999-11-14T19:39:32			
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)	2010.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8949592421576

## A.2 Comments

This 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.