

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58131 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 4 2012

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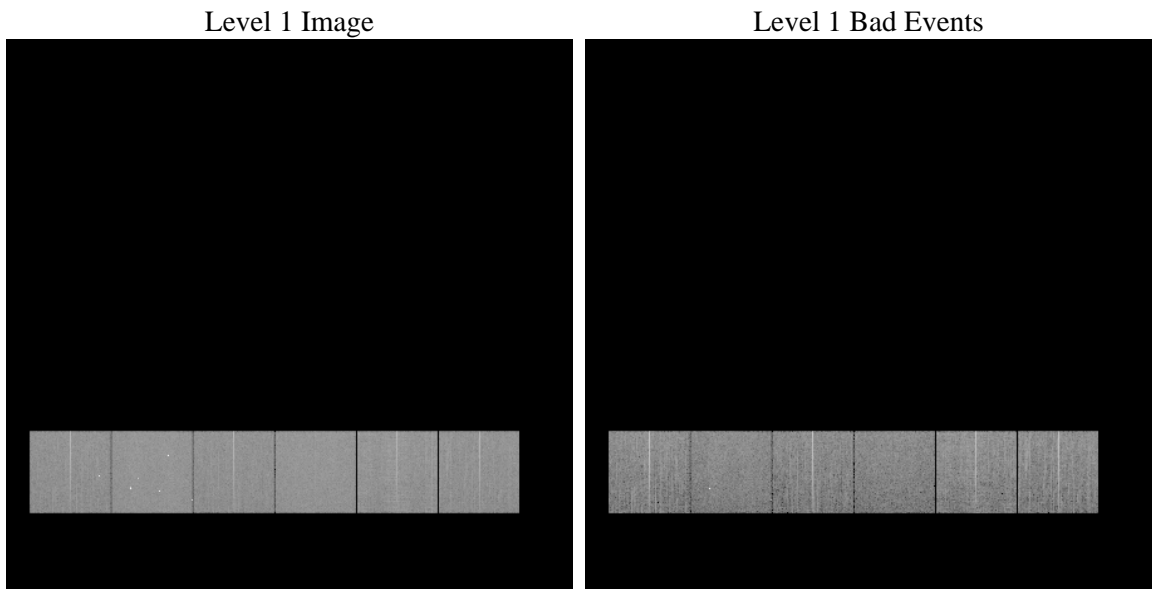
# 1 Front

seq_num	&#160	Sequence number
obs_id	58131	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 [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	51.968166975945	Nominal RA [deg]
dec_nom	31.990123647837	Nominal Dec [deg]
roll_nom	167.19092986776	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7452.7999722958	Sum of GTIs [s]
livetime	7358.4281315092	Livetime [s]
ontime4	7452.7999722958	Sum of GTIs [s]
ontime5	7452.7999722958	Sum of GTIs [s]
ontime6	7452.7999722958	Sum of GTIs [s]
ontime7	7452.7999722958	Sum of GTIs [s]
ontime8	7452.7999722958	Sum of GTIs [s]
ontime9	7452.7999722958	Sum of GTIs [s]
l2events	640946	Number of level 2 events

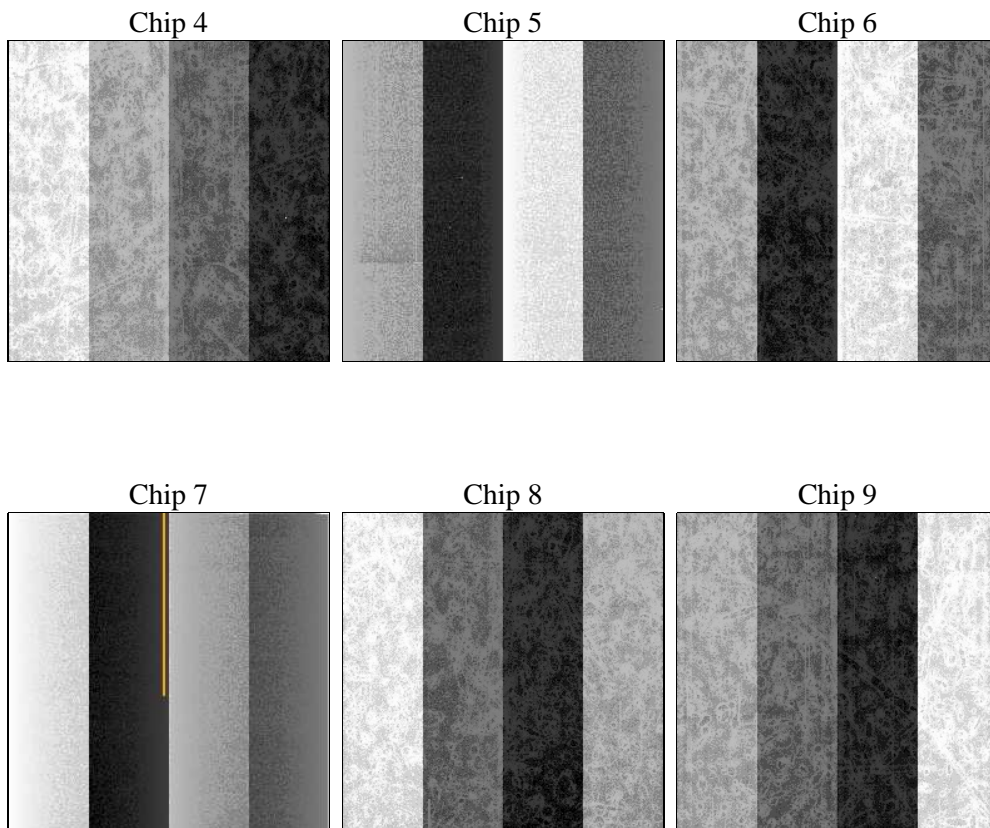
## 2 OBI

### 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	7452.7999722958	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7452.7999722958	Sum of GTIs [s]
date	2012-05-04T14:45:45	Date and time of file creation	ontime5	7452.7999722958	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7452.7999722958	Sum of GTIs [s]
			ontime7	7452.7999722958	Sum of GTIs [s]
			ontime8	7452.7999722958	Sum of GTIs [s]
			ontime9	7452.7999722958	Sum of GTIs [s]
			l1events	1100310	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	173088	195868	172188	191742	192515	174909	grade 0 events	58555	24834	57083	28146	60031	56125
rejected events	71535	63724	64762	58152	75292	71062		33%	12%	33%	14%	31%	32%
rejected %	41%	32%	37%	30%	39%	40%	grade 1 events	565	265	367	157	401	377
								0%	0%	0%	0%	0%	0%
							grade 2 events	15702	46577	18833	29383	21348	17881
								9%	23%	10%	15%	11%	10%
							grade 3 events	6932	6336	6840	12598	8170	6793
								4%	3%	3%	6%	4%	3%
							grade 4 events	6791	6440	6838	12429	7842	6728
								3%	3%	3%	6%	4%	3%
							grade 5 events	3756	8887	3982	9687	5021	4373
								2%	4%	2%	5%	2%	2%
							grade 6 events	13573	47957	17832	51034	19832	16320
								7%	24%	10%	26%	10%	9%
							grade 7 events	67214	54572	60413	48308	69870	66312
								38%	27%	35%	25%	36%	37%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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
[deg] Pointing RA	0	51.96816697594522	Alternating exposures requested	N	N
[deg] Pointing Dec	0	31.99012364783711	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	167.190929867763			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	311386443.264946	311386442.23994			
Observation start date	2007-11-14T00:14:03	2007-11-14T00:14:02			
[s] Observation end time (MET)	311401480.015672	311401478.99067			
Observation end date	2007-11-14T04:24:40	2007-11-14T04:24:38			
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)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4527999722958

### A.2 Comments