

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 59288 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Mar 17 2012

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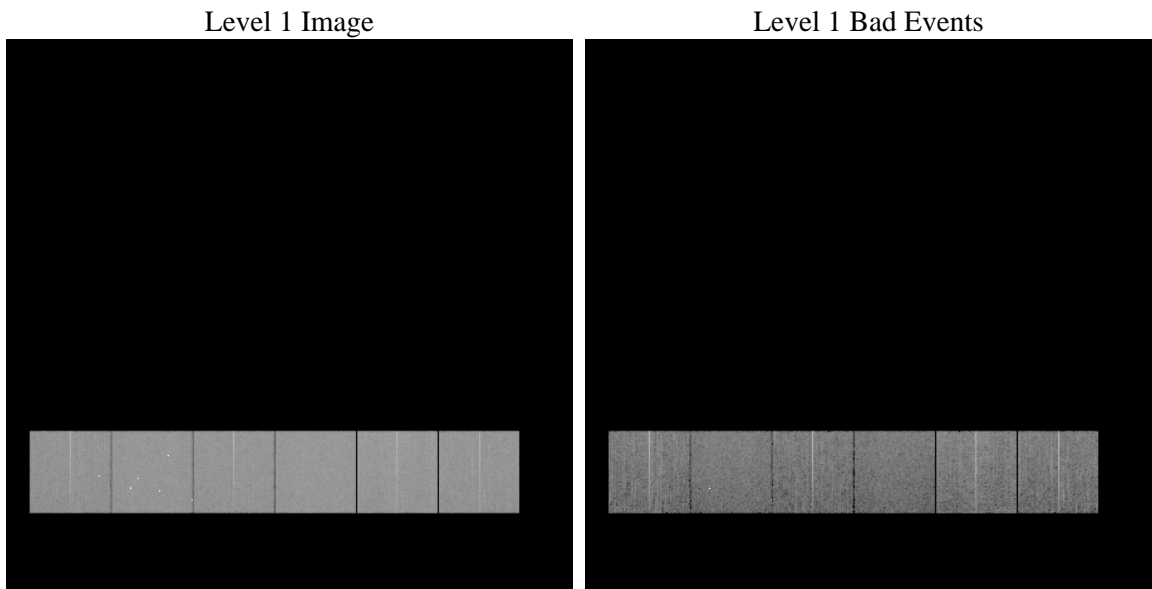
# 1 Front

seq_num	&#160	Sequence number
obs_id	59288	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	91.975913541381	Nominal RA [deg]
dec_nom	28.020964825563	Nominal Dec [deg]
roll_nom	97.563890784549	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8277.2748822272	Sum of GTIs [s]
livetime	8172.4630436919	Livetime [s]
ontime4	7729.4256418049	Sum of GTIs [s]
ontime5	8277.2338422239	Sum of GTIs [s]
ontime6	8183.2043833435	Sum of GTIs [s]
ontime7	8277.2748822272	Sum of GTIs [s]
ontime8	8277.1107222438	Sum of GTIs [s]
ontime9	8034.2423693836	Sum of GTIs [s]
l2events	1017785	Number of level 2 events

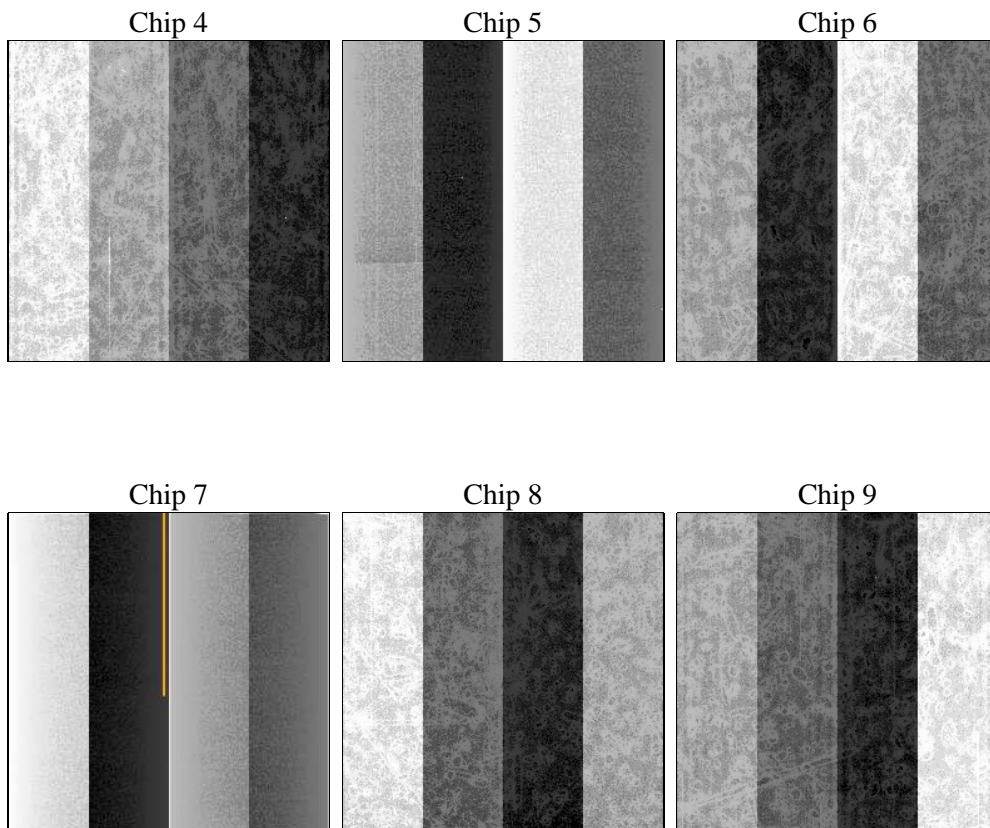
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8277.2748822272	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime4	7729.4256418049	Sum of GTIs [s]
date	2012-03-17T16:57:29	Date and time of file creation	ontime5	8277.2338422239	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8183.2043833435	Sum of GTIs [s]
			ontime7	8277.2748822272	Sum of GTIs [s]
			ontime8	8277.1107222438	Sum of GTIs [s]
			ontime9	8034.2423693836	Sum of GTIs [s]
			l1events	1480373	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	226539	254238	241436	257122	264283	236755	grade 0 events	93512	41867	97002	46535	102548	93435
rejected events	66488	62404	61651	54421	72529	65738		41%	16%	40%	18%	38%	39%
rejected %	29%	24%	25%	21%	27%	27%	grade 1 events	781	317	562	167	594	624
								0%	0%	0%	0%	0%	0%
							grade 2 events	24916	68778	31240	44412	34008	29391
								10%	27%	12%	17%	12%	12%
							grade 3 events	10745	10476	11227	19846	12914	11106
								4%	4%	4%	7%	4%	4%
							grade 4 events	10513	10063	11379	19928	12710	11082
								4%	3%	4%	7%	4%	4%
							grade 5 events	3657	9742	3938	9450	5074	4194
								1%	3%	1%	3%	1%	1%
							grade 6 events	20365	60650	28937	71980	29574	26003
								8%	23%	11%	27%	11%	10%
							grade 7 events	62050	52345	57151	44804	66861	60920
								27%	20%	23%	17%	25%	25%

## 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	91.97591354138146	Alternating exposures requested	N	N
[deg] Pointing Dec	0	28.02096482556288	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	97.56389078454893			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.8505141146731063			
[mm] SIM translation stage pos	-190.132523	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	249280919.531377	249280918.50635			
Observation start date	2005-11-25T04:42:00	2005-11-25T04:41:58			
[s] Observation end time (MET)	249304955.782489	249304954.75746			
Observation end date	2005-11-25T11:22:36	2005-11-25T11:22:34			
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)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2772748822272

### A.2 Comments