

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 59484 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 28 2012

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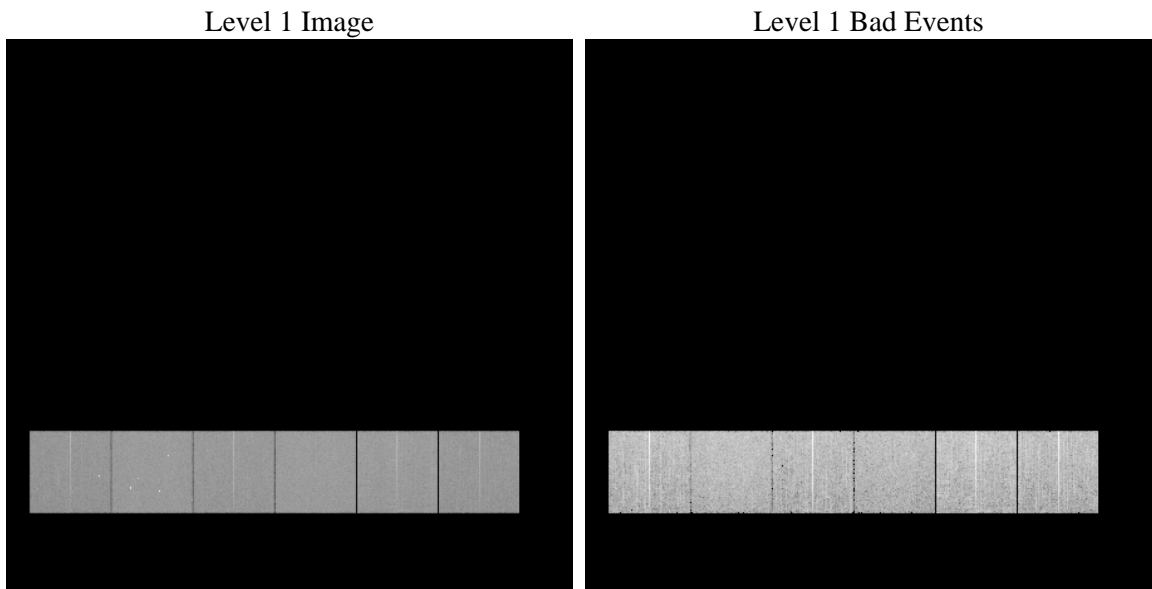
# 1 Front

seq_num	&#160	Sequence number
obs_id	59484	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	121.97549915679	Nominal RA [deg]
dec_nom	-24.289557850594	Nominal Dec [deg]
roll_nom	126.40439017334	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7794.835811317	Sum of GTIs [s]
livetime	7696.1329067874	Livetime [s]
ontime4	6637.5797331333	Sum of GTIs [s]
ontime5	7794.7947713137	Sum of GTIs [s]
ontime6	7149.8029016554	Sum of GTIs [s]
ontime7	7794.835811317	Sum of GTIs [s]
ontime8	7438.0973351598	Sum of GTIs [s]
ontime9	6987.8776973486	Sum of GTIs [s]
l2events	1001887	Number of level 2 events

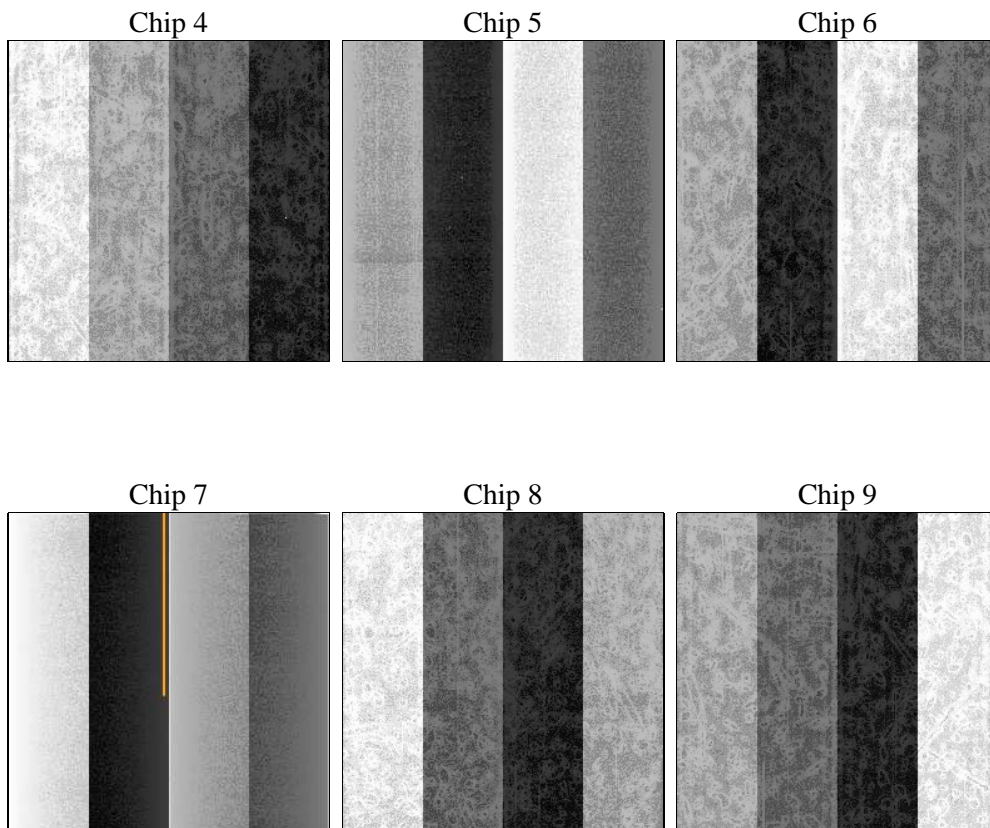
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	7794.835811317	Sum of GTIs [s]
caldbver	4.5.5	&#160	ontime4	6637.5797331333	Sum of GTIs [s]
date	2012-12-28T20:13:37	Date and time of file creation	ontime5	7794.79477113137	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7149.8029016554	Sum of GTIs [s]
			ontime7	7794.835811317	Sum of GTIs [s]
			ontime8	7438.0973351598	Sum of GTIs [s]
			ontime9	6987.8776973486	Sum of GTIs [s]
			l1events	1402690	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	206229	245617	228411	252753	250867	218813	grade 0 events	87310	43410	93594	48699	100932	88904
rejected events	55387	54458	54525	47912	63038	56193		42%	17%	40%	19%	40%	40%
rejected %	26%	22%	23%	18%	25%	25%	grade 1 events	718	255	508	174	550	584
								0%	0%	0%	0%	0%	0%
							grade 2 events	23721	66910	30405	45234	33240	27940
								11%	27%	13%	17%	13%	12%
							grade 3 events	10041	11355	10934	20371	12185	10468
								4%	4%	4%	8%	4%	4%
							grade 4 events	10122	11165	10917	19993	12442	10519
								4%	4%	4%	7%	4%	4%
							grade 5 events	3104	8465	3396	8326	4343	3664
								1%	3%	1%	3%	1%	1%
							grade 6 events	19648	58398	28112	70610	29030	24864
								9%	23%	12%	27%	11%	11%
							grade 7 events	51565	45659	50545	39346	58145	51870
								25%	18%	22%	15%	23%	23%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	121.9754991567932
[deg] Pointing Dec	0	-24.2895578505944
[deg] Pointing Roll	0.0	126.4043901733399
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	241930578.592828	241930577.56784
Observation start date	2005-09-01T02:56:19	2005-09-01T02:56:17
[s] Observation end time (MET)	241950100.743723	241950099.71874
Observation end date	2005-09-01T08:21:41	2005-09-01T08:21:39
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.794835811317

### A.2 Comments