

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 59918 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 14 2012

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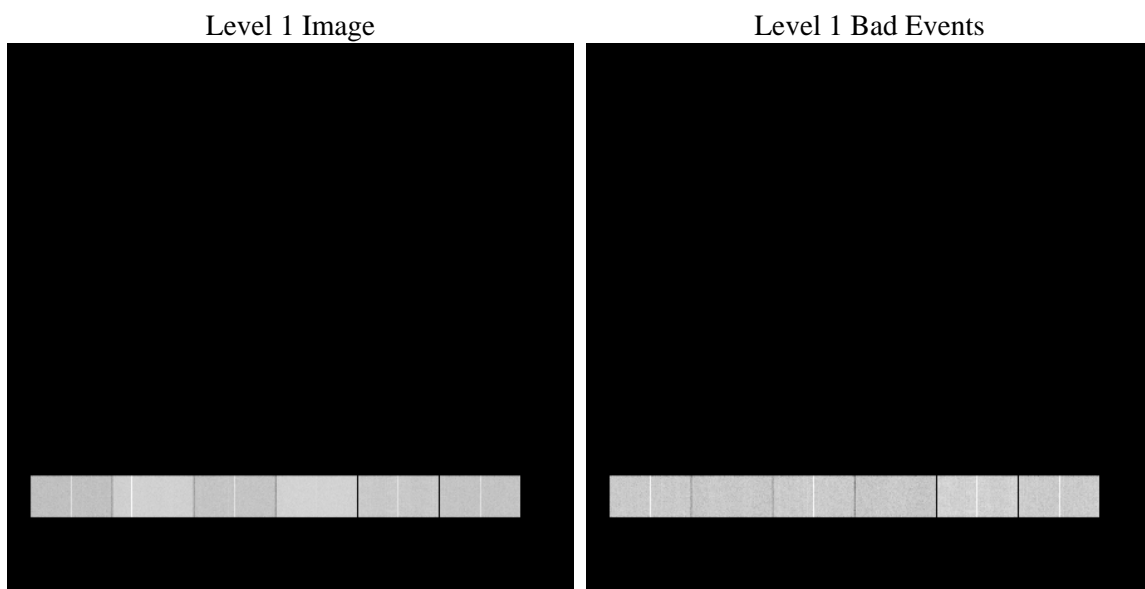
# 1 Front

seq_num	&#160	Sequence number
obs_id	59918	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	77.730429517933	Nominal RA [deg]
dec_nom	-6.4884087119604	Nominal Dec [deg]
roll_nom	347.68184136158	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8384.5	Sum of GTIs [s]
livetime	8351.748046875	Livetime [s]
ontime4	5229.0324840844	Sum of GTIs [s]
ontime5	8384.5	Sum of GTIs [s]
ontime6	5796.6533640623	Sum of GTIs [s]
ontime7	8384.5	Sum of GTIs [s]
ontime8	5938.1926068962	Sum of GTIs [s]
ontime9	5704.7245229483	Sum of GTIs [s]
l2events	784910	Number of level 2 events

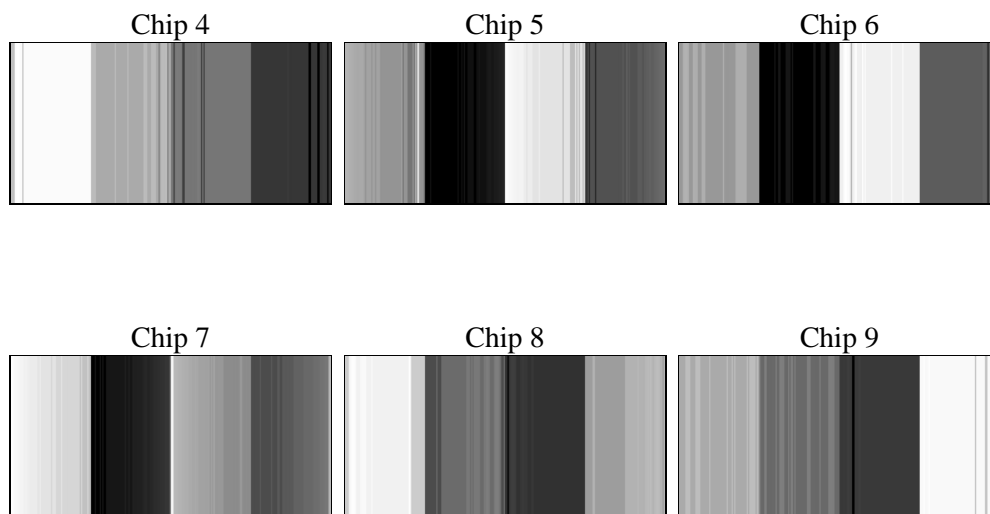
## 2 OBI

### 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	Processing system revision	ontime	8384.5	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime4	5229.0324840844	Sum of GTIs [s]
date	2012-12-14T20:44:50	Date and time of file creation	ontime5	8384.5	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5796.6533640623	Sum of GTIs [s]
			ontime7	8384.5	Sum of GTIs [s]
			ontime8	5938.1926068962	Sum of GTIs [s]
			ontime9	5704.7245229483	Sum of GTIs [s]
			l1events	1432917	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	171247	316678	198826	321988	231164	193014	grade 0 events	12608	35431	11633	49860	19845	13364
rejected events	94203	83017	98180	81170	119939	98314		7%	11%	5%	15%	8%	6%
rejected %	55%	26%	49%	25%	51%	50%	grade 1 events	95	136	73	202	142	95
								0%	0%	0%	0%	0%	0%
							grade 2 events	78266	105094	93941	63890	93891	87309
								45%	33%	47%	19%	40%	45%
							grade 3 events	2126	6238	2087	20195	3781	2147
								1%	1%	1%	6%	1%	1%
							grade 4 events	2171	5923	2147	19756	3621	2194
								1%	1%	1%	6%	1%	1%
							grade 5 events	2708	9058	2742	10465	3411	2889
								1%	2%	1%	3%	1%	1%
							grade 6 events	24374	81106	31848	87253	32775	29477
								14%	25%	16%	27%	14%	15%
							grade 7 events	48899	73692	54355	70367	73698	55539
								28%	23%	27%	21%	31%	28%

## 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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	77.73042951793286	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-6.488408711960357	[s] Primary exposure time	0	0
[deg] Pointing Roll	0.0	347.6818413615759			
[mm] SIM focus pos	-0.684267	-1.428180813131781			
[mm] SIM defocus	0	0.1051558262725154			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	219594652.927073	219594651.90208			
Observation start date	2004-12-16T14:30:53	2004-12-16T14:30:51			
[s] Observation end time (MET)	219606649.527613	219606648.50262			
Observation end date	2004-12-16T17:50:50	2004-12-16T17:50:48			
Read mode	CONTINUOUS	CONTINUOUS			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3845

### A.2 Comments