

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61143 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 10 2012

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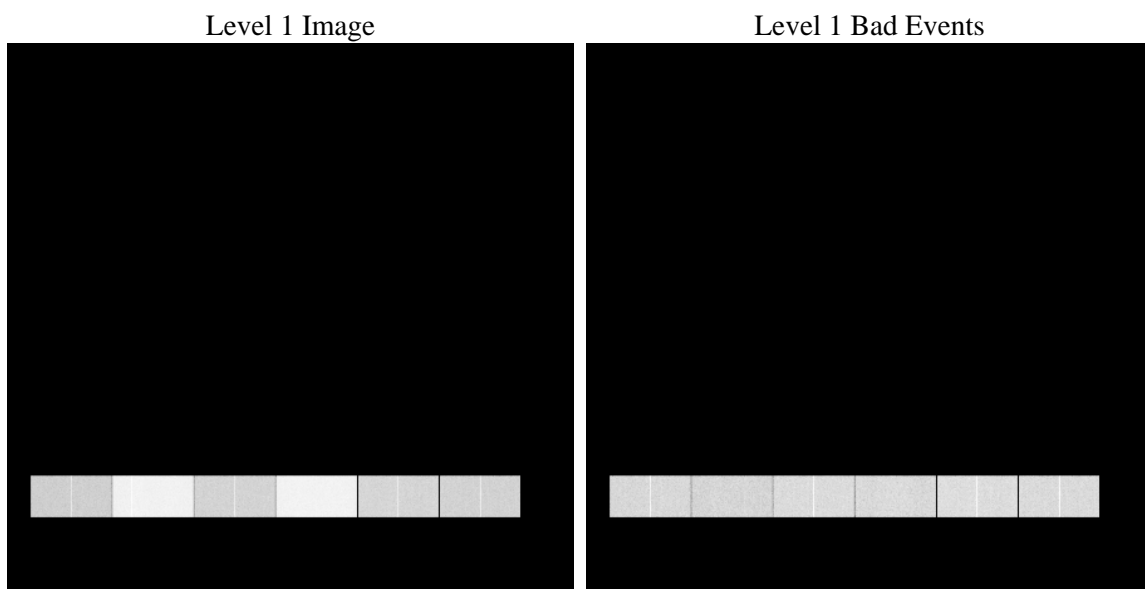
# 1 Front

seq_num	&#160	Sequence number
obs_id	61143	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	338.9731514747	Nominal RA [deg]
dec_nom	14.511969584171	Nominal Dec [deg]
roll_nom	122.4697651334	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8849.4659931362	Sum of GTIs [s]
livetime	8814.8977666005	Livetime [s]
ontime4	2825.9849191606	Sum of GTIs [s]
ontime5	9530.25	Sum of GTIs [s]
ontime6	3141.170966357	Sum of GTIs [s]
ontime7	8849.4659931362	Sum of GTIs [s]
ontime8	3182.0283381343	Sum of GTIs [s]
ontime9	3128.0381568074	Sum of GTIs [s]
l2events	976891	Number of level 2 events

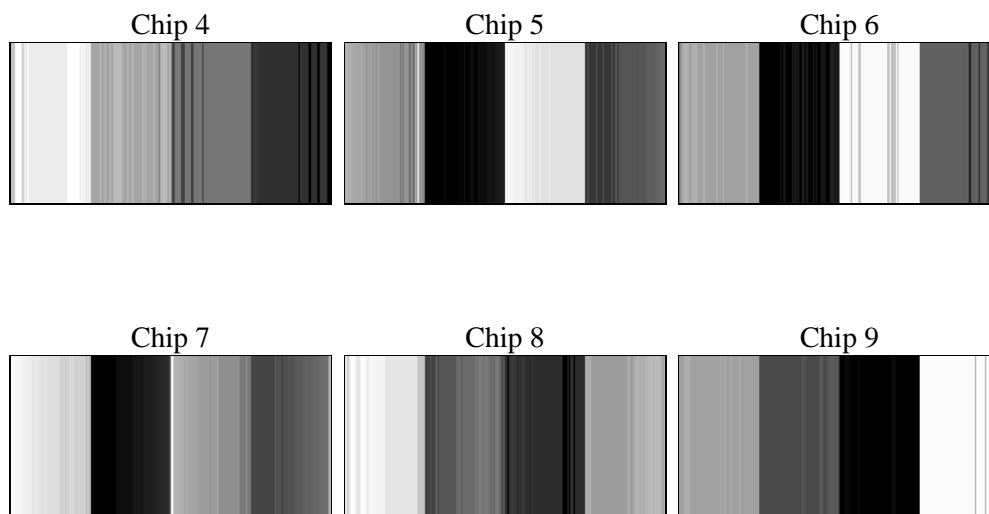
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	8849.4659931362	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	2825.9849191606	Sum of GTIs [s]
date	2012-10-10T09:13:16	Date and time of file creation	ontime5	9530.25	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3141.170966357	Sum of GTIs [s]
			ontime7	8849.4659931362	Sum of GTIs [s]
			ontime8	3182.0283381343	Sum of GTIs [s]
			ontime9	3128.0381568074	Sum of GTIs [s]
			l1events	1694776	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	146950	504663	173768	516031	186391	166973	grade 0 events	7067	52601	11886	102635	17230	11481
rejected events	103636	93005	117152	107797	125449	113360		4%	10%	6%	19%	9%	6%
rejected %	70%	18%	67%	20%	67%	67%	grade 1 events	24	183	62	310	90	49
								0%	0%	0%	0%	0%	0%
							grade 2 events	83198	193028	93908	112292	92056	89769
								56%	38%	54%	21%	49%	53%
							grade 3 events	1212	14322	1719	39881	2517	1565
								0%	2%	0%	7%	1%	0%
							grade 4 events	1207	13885	1637	39604	2591	1591
								0%	2%	0%	7%	1%	0%
							grade 5 events	1741	11327	1755	10951	1977	1707
								1%	2%	1%	2%	1%	1%
							grade 6 events	24667	138056	31259	146694	30862	29153
								16%	27%	17%	28%	16%	17%
							grade 7 events	27834	81261	31542	63664	39068	31658
								18%	16%	18%	12%	20%	18%

## 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	338.9731514747008	Alternating exposures requested	N	N
[deg] Pointing Dec	0	14.51196958417132	[s] Primary exposure time	0	0
[deg] Pointing Roll	0.0	122.4697651334013			
[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)	141902587.235089	141902586.21035			
Observation start date	2002-07-01T09:23:07	2002-07-01T09:23:06			
[s] Observation end time (MET)	141925081.88599	141925080.86128			
Observation end date	2002-07-01T15:38:02	2002-07-01T15:38:00			
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)	2012.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.8494659931362

### A.2 Comments