

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61433 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 26 2012

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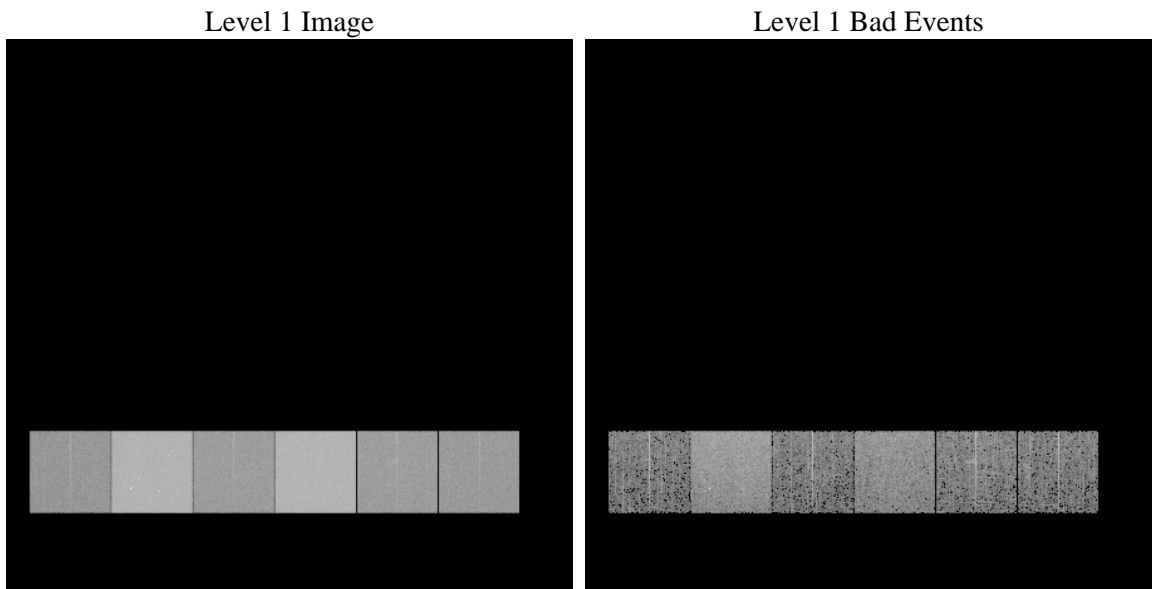
# 1 Front

seq_num	&#160	Sequence number
obs_id	61433	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	305.02555857707	Nominal RA [deg]
dec_nom	-35.019506866526	Nominal Dec [deg]
roll_nom	284.37933323124	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5979.317044735	Sum of GTIs [s]
livetime	5903.603332002	Livetime [s]
ontime4	2181.2176815718	Sum of GTIs [s]
ontime5	6416.8051410317	Sum of GTIs [s]
ontime6	2495.1697696447	Sum of GTIs [s]
ontime7	5979.317044735	Sum of GTIs [s]
ontime8	2505.3211424351	Sum of GTIs [s]
ontime9	2365.6515592039	Sum of GTIs [s]
l2events	1217857	Number of level 2 events

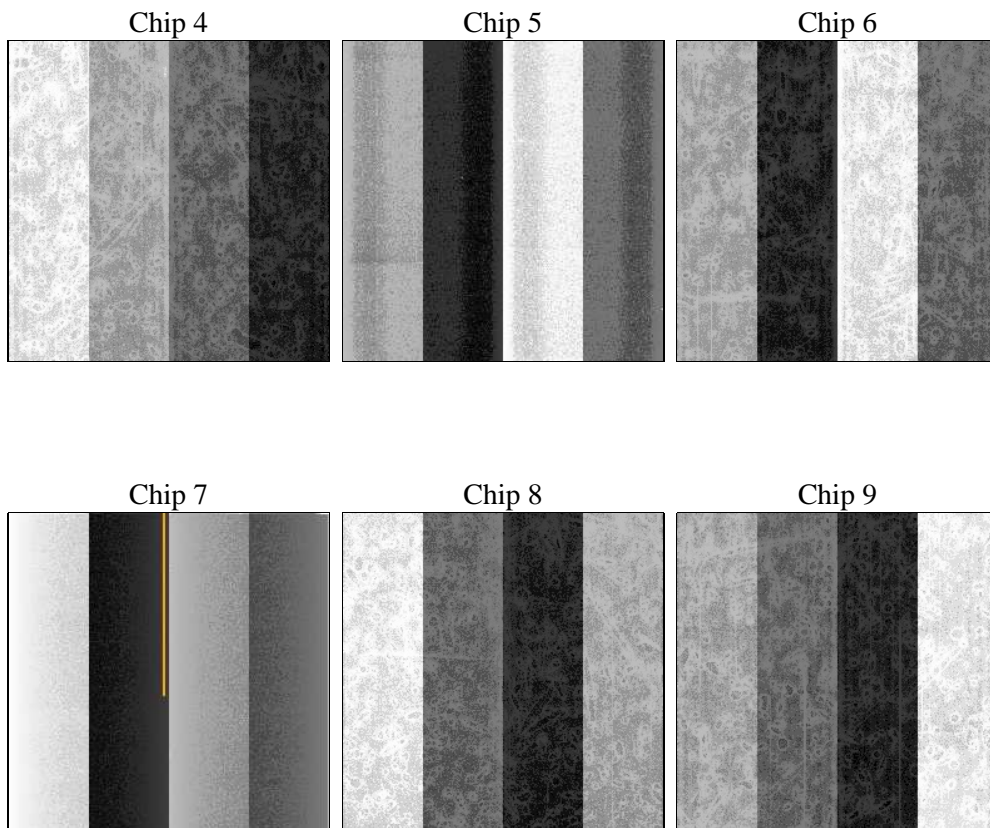
## 2 OBI

### 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	5979.317044735	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime4	2181.2176815718	Sum of GTIs [s]
date	2012-09-26T02:24:04	Date and time of file creation	ontime5	6416.8051410317	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2495.1697696447	Sum of GTIs [s]
			ontime7	5979.317044735	Sum of GTIs [s]
			ontime8	2505.3211424351	Sum of GTIs [s]
			ontime9	2365.6515592039	Sum of GTIs [s]
			l1events	1424166	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	141493	384605	172430	392325	175178	158135	grade 0 events	69660	87788	84099	92400	84845	76124
rejected events	18701	43379	19152	31080	21891	18883		49%	22%	48%	23%	48%	48%
rejected %	13%	11%	11%	7%	12%	11%	grade 1 events	374	629	411	242	410	393
								0%	0%	0%	0%	0%	0%
							grade 2 events	21471	116796	26342	80440	27083	24782
								15%	30%	15%	20%	15%	15%
							grade 3 events	7565	23188	9430	36956	9810	8599
								5%	6%	5%	9%	5%	5%
							grade 4 events	7507	23018	9668	36677	9615	8737
								5%	5%	5%	9%	5%	5%
							grade 5 events	1193	8410	1455	6422	1552	1419
								0%	2%	0%	1%	0%	0%
							grade 6 events	16589	90436	23834	114896	22050	21010
								11%	23%	13%	29%	12%	13%
							grade 7 events	17134	34340	17191	24292	19813	17071
								12%	8%	9%	6%	11%	10%

## 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	305.0255585770656
[deg] Pointing Dec	0	-35.01950686652596
[deg] Pointing Roll	0.0	284.3793332312389
[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)	119931495.841	119931495.07267
Observation start date	2001-10-20T02:18:16	2001-10-20T02:18:15
[s] Observation end time (MET)	119965167.092	119965166.32401
Observation end date	2001-10-20T11:39:27	2001-10-20T11:39:26
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	0.000000	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.979317044735

### A.2 Comments