

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61956 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Sep 1 2012

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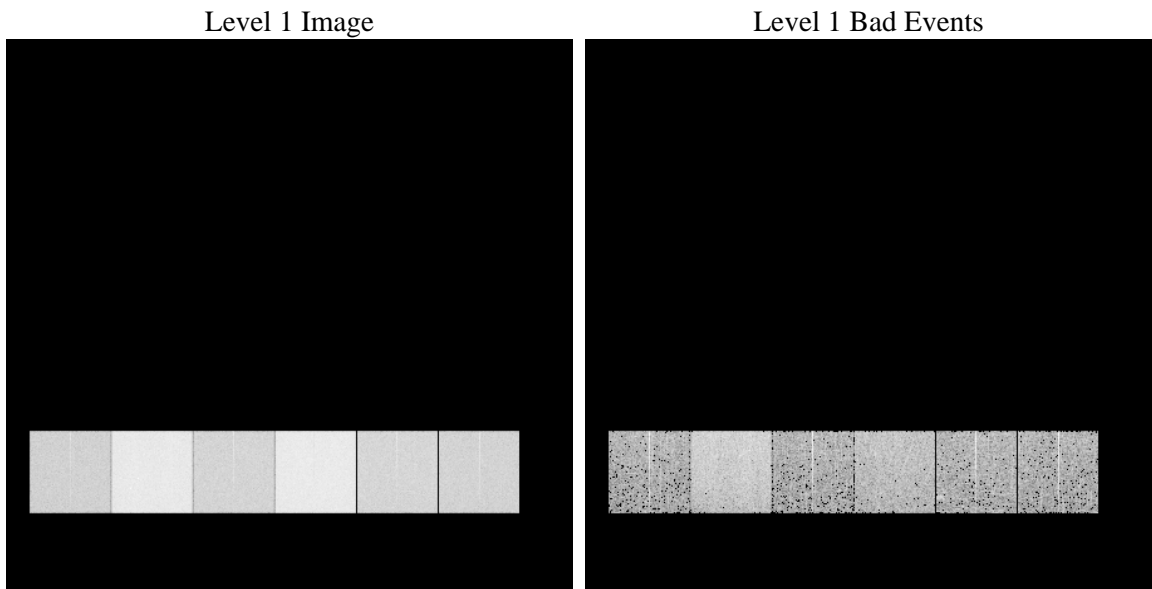
# 1 Front

seq_num	&#160	Sequence number
obs_id	61956	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	314.03110614959	Nominal RA [deg]
dec_nom	-28.008625180776	Nominal Dec [deg]
roll_nom	310.06576192976	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4822.6333778352	Sum of GTIs [s]
livetime	4761.5662901638	Livetime [s]
ontime4	2048.3357094079	Sum of GTIs [s]
ontime5	5199.9121525288	Sum of GTIs [s]
ontime6	2152.0487099439	Sum of GTIs [s]
ontime7	4822.6333778352	Sum of GTIs [s]
ontime8	2255.7620295882	Sum of GTIs [s]
ontime9	2120.9804880768	Sum of GTIs [s]
l2events	1351857	Number of level 2 events

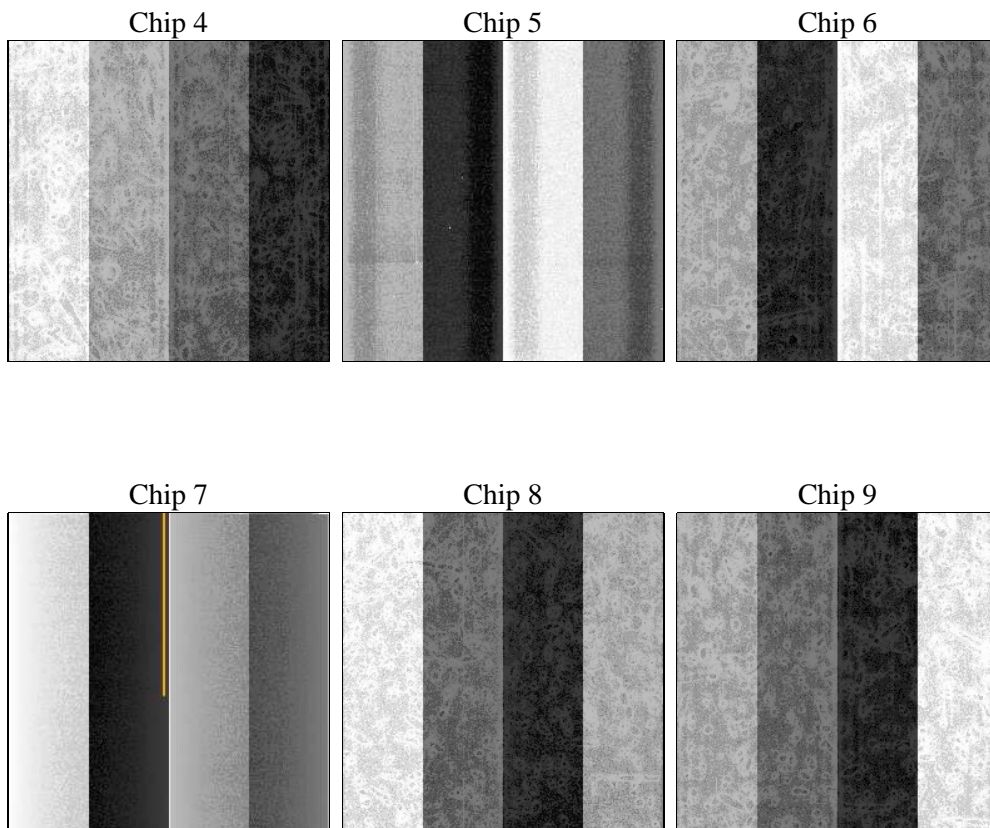
## 2 OBI

### 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	4822.6333778352	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	2048.3357094079	Sum of GTIs [s]
date	2012-09-01T03:25:57	Date and time of file creation	ontime5	5199.9121525288	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	2152.0487099439	Sum of GTIs [s]
			ontime7	4822.6333778352	Sum of GTIs [s]
			ontime8	2255.7620295882	Sum of GTIs [s]
			ontime9	2120.9804880768	Sum of GTIs [s]
			l1events	1554732	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	171009	395178	192954	410000	202524	183067	grade 0 events	86236	77622	96174	98308	101331	91155
rejected events	18598	42569	18469	27186	20386	18574		50%	19%	49%	23%	50%	49%
rejected %	10%	10%	9%	6%	10%	10%	grade 1 events	462	235	449	254	505	453
								0%	0%	0%	0%	0%	0%
							grade 2 events	28029	136963	30307	84544	32189	29217
								16%	34%	15%	20%	15%	15%
							grade 3 events	9041	20522	10629	39010	11402	10175
								5%	5%	5%	9%	5%	5%
							grade 4 events	9017	20391	10427	38780	11581	10019
								5%	5%	5%	9%	5%	5%
							grade 5 events	1311	8004	1550	5569	1573	1459
								0%	2%	0%	1%	0%	0%
							grade 6 events	20549	98614	27706	123758	26457	24671
								12%	24%	14%	30%	13%	13%
							grade 7 events	16364	32827	15712	19777	17486	15918
								9%	8%	8%	4%	8%	8%

## 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	314.0311061495926	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-28.00862518077555	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	310.0657619297614			
[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)	83423909.530177	83423908.761709			
Observation start date	2000-08-23T13:18:30	2000-08-23T13:18:28			
[s] Observation end time (MET)	83434419.88057099	83434419.112103			
Observation end date	2000-08-23T16:13:40	2000-08-23T16:13:39			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8226333778352

### A.2 Comments