

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62152 - L2 Version 4  
Chandra X-Ray Center

L2 Processing Date : Aug 23 2012

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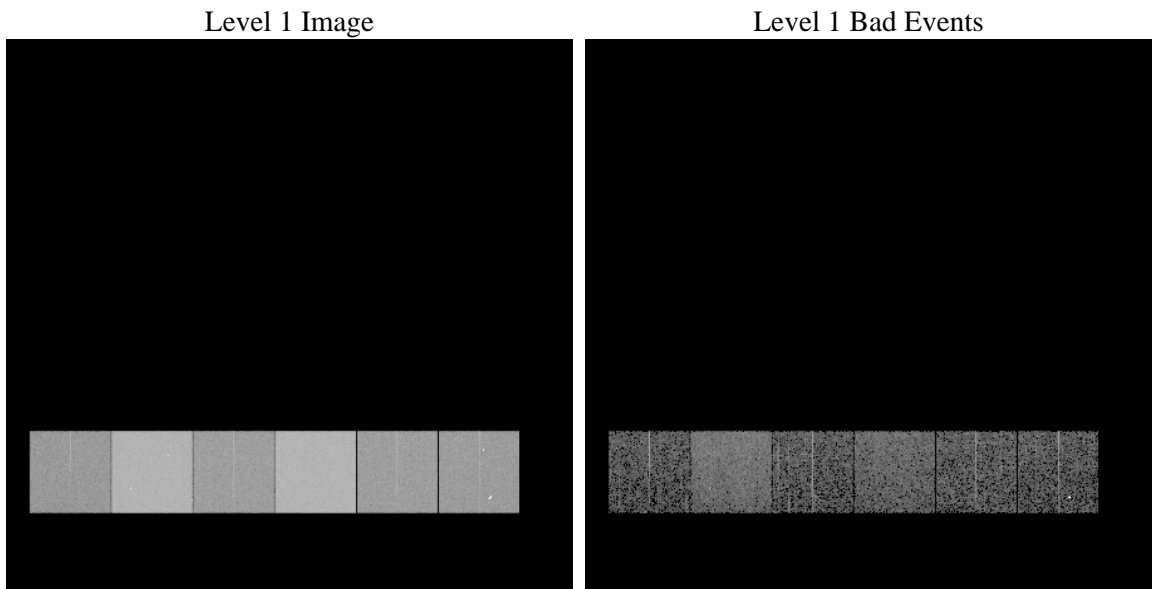
# 1 Front

seq_num	&#160	Sequence number
obs_id	62152	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	245.85115757654	Nominal RA [deg]
dec_nom	-13.028548736388	Nominal Dec [deg]
roll_nom	80.517357504197	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2943.0287308991	Sum of GTIs [s]
livetime	2905.7623290293	Livetime [s]
ontime4	1146.352456212	Sum of GTIs [s]
ontime5	3150.4512021989	Sum of GTIs [s]
ontime6	1292.1581360698	Sum of GTIs [s]
ontime7	2943.0287308991	Sum of GTIs [s]
ontime8	1277.1417333633	Sum of GTIs [s]
ontime9	1223.9732560068	Sum of GTIs [s]
l2events	925454	Number of level 2 events

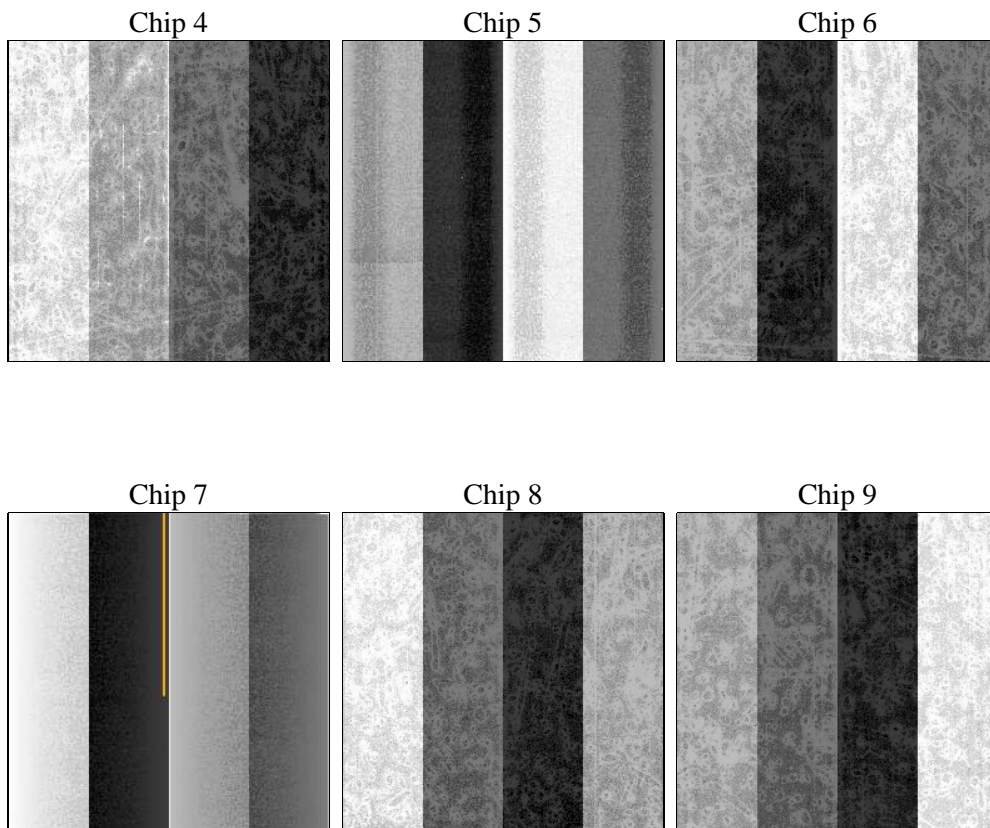
## 2 OBI

### 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	2943.0287308991	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1146.352456212	Sum of GTIs [s]
date	2012-08-23T17:37:21	Date and time of file creation	ontime5	3150.4512021989	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	1292.1581360698	Sum of GTIs [s]
			ontime7	2943.0287308991	Sum of GTIs [s]
			ontime8	1277.1417333633	Sum of GTIs [s]
			ontime9	1223.9732560068	Sum of GTIs [s]
			l1events	1065184	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	110315	278088	133102	287625	131469	124585	grade 0 events	54851	64449	65069	69587	64650	60603
rejected events	12756	26568	13801	17528	14069	14653		49%	23%	48%	24%	49%	48%
rejected %	11%	9%	10%	6%	10%	11%	grade 1 events	372	224	412	183	345	2531
								0%	0%	0%	0%	0%	2%
							grade 2 events	17412	87058	20768	59937	20801	19635
								15%	31%	15%	20%	15%	15%
							grade 3 events	6102	16885	7296	27294	7363	6626
								5%	6%	5%	9%	5%	5%
							grade 4 events	5980	17104	7317	27980	7478	6799
								5%	6%	5%	9%	5%	5%
							grade 5 events	875	5565	1032	3896	1015	970
								0%	2%	0%	1%	0%	0%
							grade 6 events	13214	66270	18851	85636	17421	16269
								11%	23%	14%	29%	13%	13%
							grade 7 events	11509	20533	12357	13112	12396	11152
								10%	7%	9%	4%	9%	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	245.8511575765447	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-13.02854873638769	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	80.51735750419736			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.4635187648994			
[mm] SIM translation stage offset	0	-0.007540371344731511			
[s] Observation start time (MET)	67888209.458	67888208.689503			
Observation start date	2000-02-25T17:50:09	2000-02-25T17:50:08			
[s] Observation end time (MET)	67895509.508	67895508.739769			
Observation end date	2000-02-25T19:51:50	2000-02-25T19:51:48			
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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.9430287308991

### A.2 Comments