

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62050 - L2 Version 5  
Chandra X-Ray Center

L2 Processing Date : Aug 27 2012

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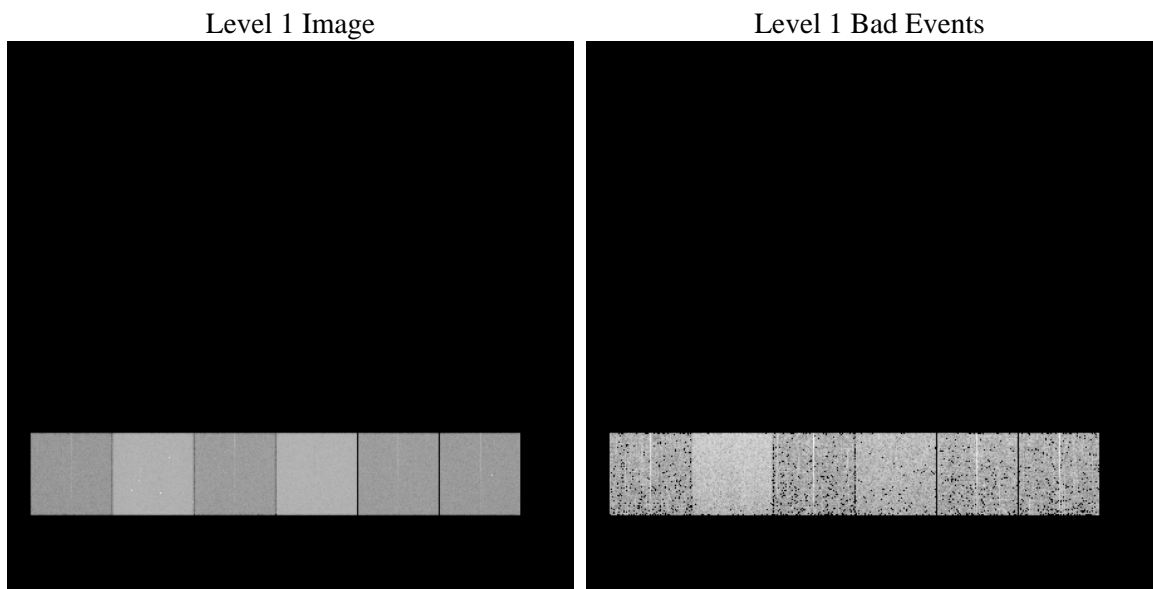
# 1 Front

seq_num	&#160	Sequence number
obs_id	62050	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	190.91569425938	Nominal RA [deg]
dec_nom	58.232234030616	Nominal Dec [deg]
roll_nom	222.68386034265	Nominal Roll [deg]
revision	5	Processing version of data
ontime	4161.4792266786	Sum of GTIs [s]
livetime	4108.7840709684	Livetime [s]
ontime4	1659.4109600186	Sum of GTIs [s]
ontime5	4450.6350660026	Sum of GTIs [s]
ontime6	1824.7039696574	Sum of GTIs [s]
ontime7	4161.4792266786	Sum of GTIs [s]
ontime8	1834.4271494746	Sum of GTIs [s]
ontime9	1744.4683251679	Sum of GTIs [s]
l2events	1234752	Number of level 2 events

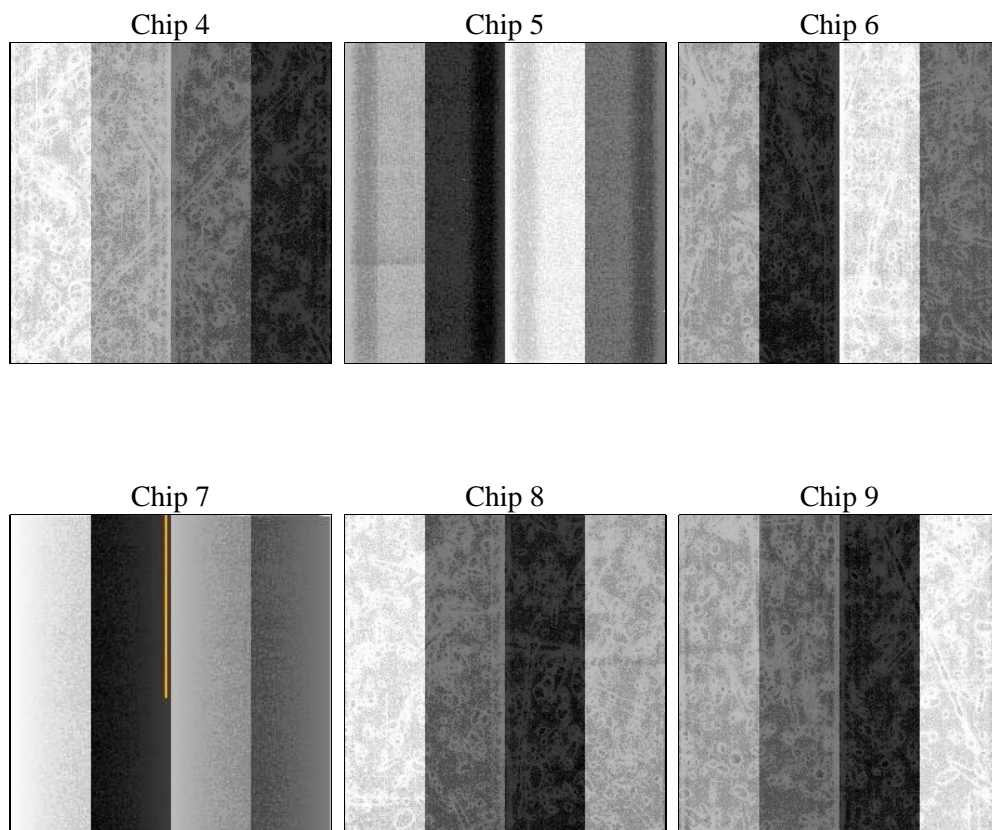
## 2 OBI

### 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	8.4.5	Processing system revision	ontime	4161.4792266786	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1659.4109600186	Sum of GTIs [s]
date	2012-08-27T23:01:06	Date and time of file creation	ontime5	4450.6350660026	Sum of GTIs [s]
revision	5	Processing version of data	ontime6	1824.7039696574	Sum of GTIs [s]
			ontime7	4161.4792266786	Sum of GTIs [s]
			ontime8	1834.4271494746	Sum of GTIs [s]
			ontime9	1744.4683251679	Sum of GTIs [s]
			l1events	1412581	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	148873	367694	175420	379786	177424	163384	grade 0 events	74740	87846	86916	92863	88214	80906
rejected events	16412	34088	16430	22101	18413	16849		50%	23%	49%	24%	49%	49%
rejected %	11%	9%	9%	5%	10%	10%	grade 1 events	471	311	460	261	510	443
								0%	0%	0%	0%	0%	0%
							grade 2 events	23393	114087	27440	79871	27666	25934
								15%	31%	15%	21%	15%	15%
							grade 3 events	8122	22657	9891	36739	9999	8899
								5%	6%	5%	9%	5%	5%
							grade 4 events	8293	22788	9724	36649	10033	9052
								5%	6%	5%	9%	5%	5%
							grade 5 events	1106	7055	1359	5020	1419	1277
								0%	1%	0%	1%	0%	0%
							grade 6 events	17913	86474	25019	111563	23099	22019
								12%	23%	14%	29%	13%	13%
							grade 7 events	14835	26476	14611	16820	16484	14854
								9%	7%	8%	4%	9%	9%

## 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	190.9156942593812	Alternating exposures requested	N	N
[deg] Pointing Dec	0	58.23223403061556	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	222.6838603426451			
[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)	75150722.17399999	75150721.40550099			
Observation start date	2000-05-19T19:12:02	2000-05-19T19:12:01			
[s] Observation end time (MET)	75196732.376	75196731.60719199			
Observation end date	2000-05-20T07:58:52	2000-05-20T07:58:51			
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)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1614792266786

### A.2 Comments