

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61625 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 16 2012

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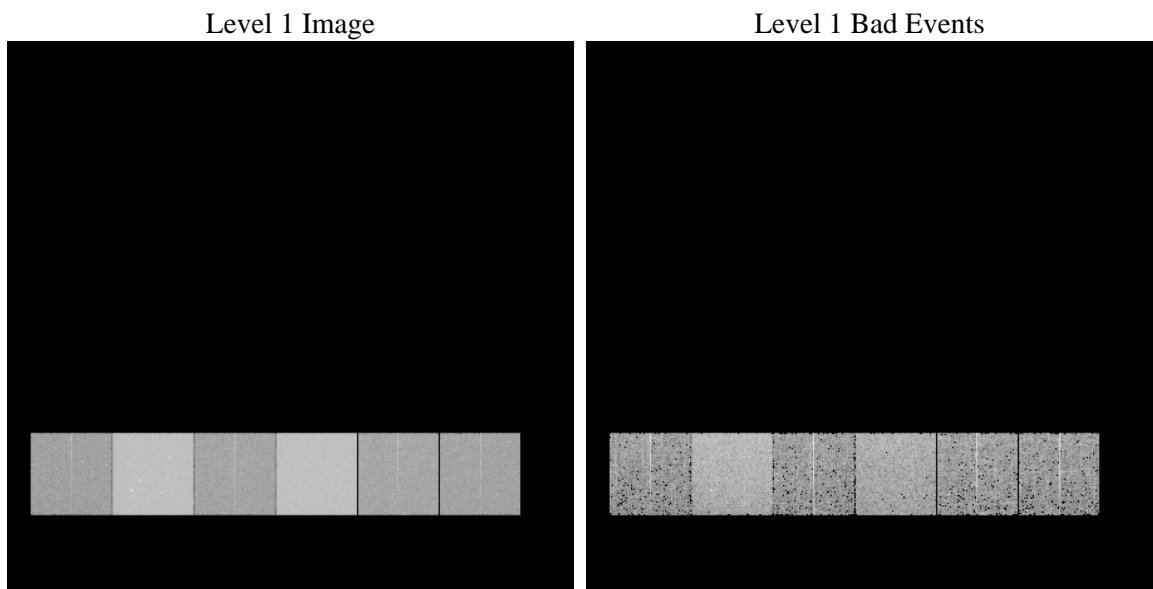
# 1 Front

seq_num	&#160	Sequence number
obs_id	61625	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	259.97766183785	Nominal RA [deg]
dec_nom	-14.981159974587	Nominal Dec [deg]
roll_nom	106.22195479511	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4739.377993077	Sum of GTIs [s]
livetime	4679.3651352179	Livetime [s]
ontime4	1545.9741920233	Sum of GTIs [s]
ontime5	5089.36032103	Sum of GTIs [s]
ontime6	1718.683609277	Sum of GTIs [s]
ontime7	4739.377993077	Sum of GTIs [s]
ontime8	1812.5917189419	Sum of GTIs [s]
ontime9	1715.5656095296	Sum of GTIs [s]
l2events	1022759	Number of level 2 events

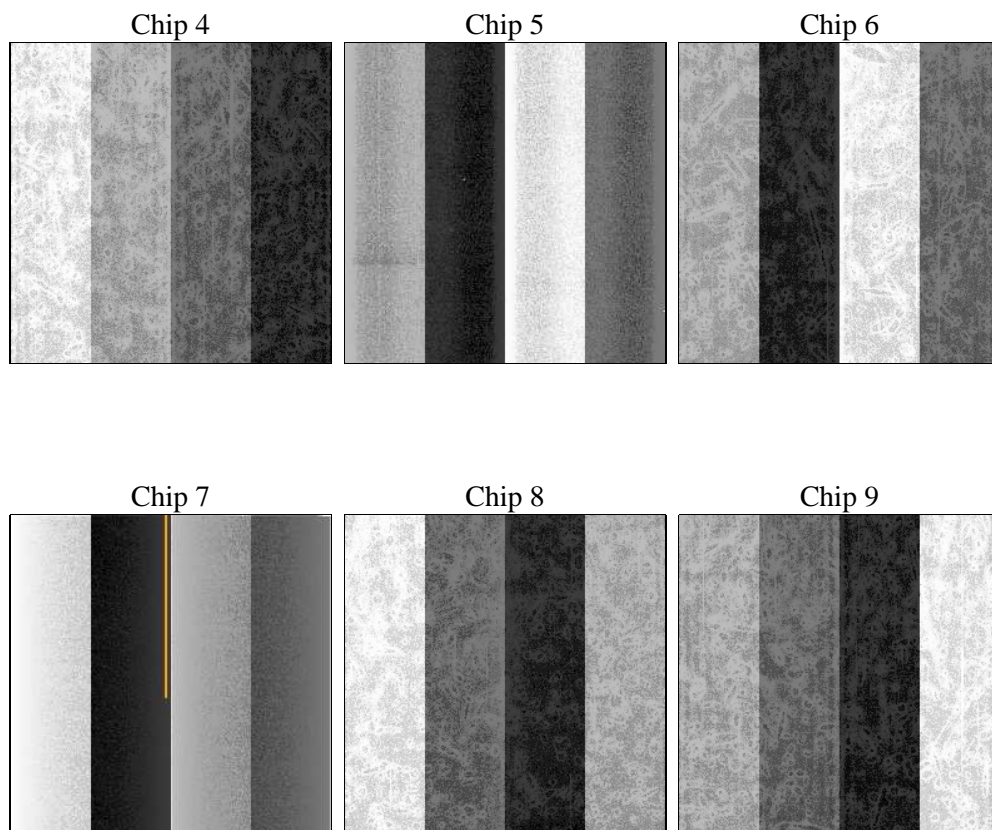
## 2 OBI

### 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	4739.377993077	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	1545.9741920233	Sum of GTIs [s]
date	2012-09-17T00:40:47	Date and time of file creation	ontime5	5089.36032103	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	1718.683609277	Sum of GTIs [s]
			ontime7	4739.377993077	Sum of GTIs [s]
			ontime8	1812.5917189419	Sum of GTIs [s]
			ontime9	1715.5656095296	Sum of GTIs [s]
			l1events	1224785	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	115375	346992	135169	352474	145009	129766	grade 0 events	54260	78150	63233	83301	67957	60906
rejected events	20308	43082	20762	31582	22445	20001		47%	22%	46%	23%	46%	46%
rejected %	17%	12%	15%	8%	15%	15%	grade 1 events	395	310	417	224	442	442
								0%	0%	0%	0%	0%	0%
							grade 2 events	17122	106658	20064	71850	21956	19638
								14%	30%	14%	20%	15%	15%
							grade 3 events	5869	20861	7223	33235	7940	6924
								5%	6%	5%	9%	5%	5%
							grade 4 events	5911	20623	7121	33181	7876	6932
								5%	5%	5%	9%	5%	5%
							grade 5 events	1029	7601	1215	5800	1374	1183
								0%	2%	0%	1%	0%	0%
							grade 6 events	13089	81732	18349	103722	18390	16839
								11%	23%	13%	29%	12%	12%
							grade 7 events	17700	31057	17547	21161	19074	16902
								15%	8%	12%	6%	13%	13%

## 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	259.9776618378521	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-14.98115997458675	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	106.2219547951099			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	106726772.922	106726772.15363			
Observation start date	2001-05-20T06:19:33	2001-05-20T06:19:32			
[s] Observation end time (MET)	106735171.772	106735171.00396			
Observation end date	2001-05-20T08:39:32	2001-05-20T08:39:31			
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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.739377993077

### A.2 Comments