

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58576 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 18 2012

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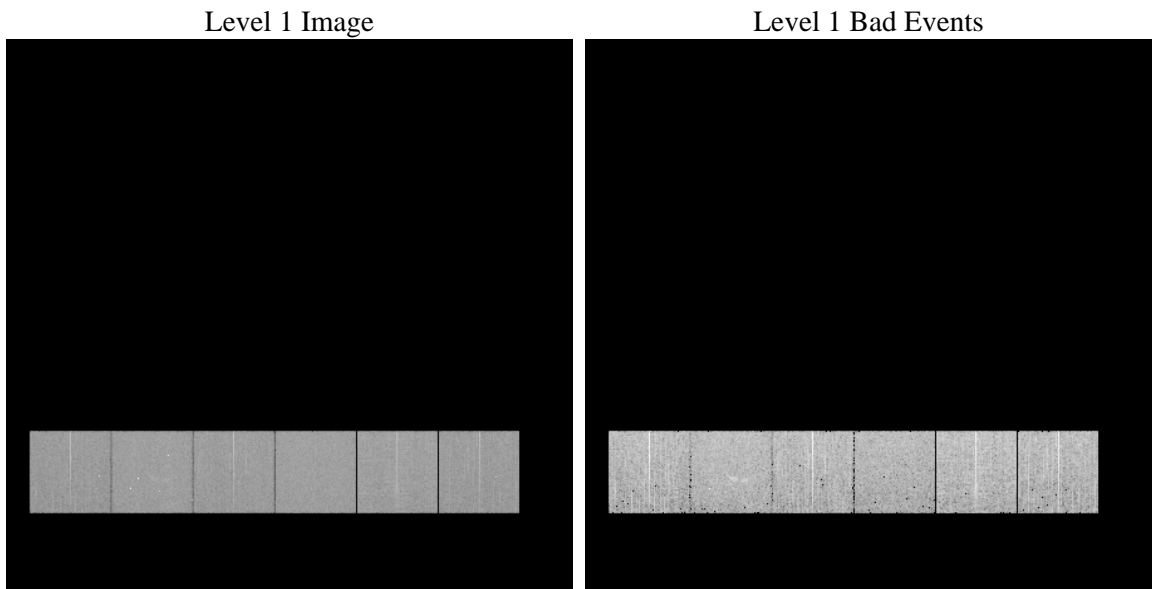
# 1 Front

seq_num	&#160	Sequence number
obs_id	58576	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	131.01272304376	Nominal RA [deg]
dec_nom	-3.9742299785096	Nominal Dec [deg]
roll_nom	30.87151783375	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4610.6635873914	Sum of GTIs [s]
livetime	4552.2805888395	Livetime [s]
ontime4	4182.732055366	Sum of GTIs [s]
ontime5	4610.6225473881	Sum of GTIs [s]
ontime6	4403.1591581106	Sum of GTIs [s]
ontime7	4610.6635873914	Sum of GTIs [s]
ontime8	4464.6555538774	Sum of GTIs [s]
ontime9	4293.0891574025	Sum of GTIs [s]
l2events	541379	Number of level 2 events

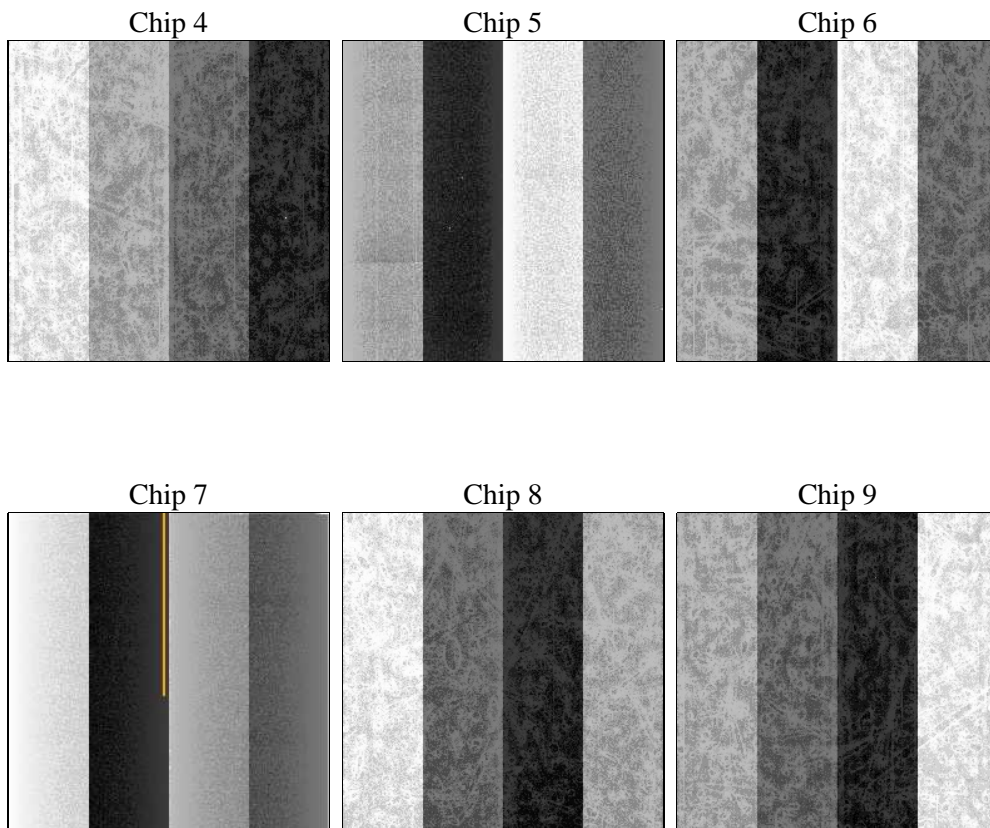
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	4610.6635873914	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	4182.732055366	Sum of GTIs [s]
date	2012-04-18T14:11:30	Date and time of file creation	ontime5	4610.6225473881	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4403.1591581106	Sum of GTIs [s]
			ontime7	4610.6635873914	Sum of GTIs [s]
			ontime8	4464.6555538774	Sum of GTIs [s]
			ontime9	4293.0891574025	Sum of GTIs [s]
			l1events	837214	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	126446	144770	136147	146093	151086	132672	grade 0 events	47614	19766	48254	24895	53154	47344
rejected events	42822	41097	43662	36373	48263	43834		37%	13%	35%	17%	35%	35%
rejected %	33%	28%	32%	24%	31%	33%	grade 1 events	481	279	295	95	349	381
								0%	0%	0%	0%	0%	0%
							grade 2 events	12767	37759	16320	23948	18219	15054
								10%	26%	11%	16%	12%	11%
							grade 3 events	5624	5086	5688	10159	6828	5611
								4%	3%	4%	6%	4%	4%
							grade 4 events	5599	4935	5546	9886	6562	5727
								4%	3%	4%	6%	4%	4%
							grade 5 events	2339	5628	2375	6027	3059	2570
								1%	3%	1%	4%	2%	1%
							grade 6 events	12020	36127	16677	40832	18060	15102
								9%	24%	12%	27%	11%	11%
							grade 7 events	40002	35190	40992	30251	44855	40883
								31%	24%	30%	20%	29%	30%

## 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	131.0127230437596	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-3.974229978509586	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	30.87151783374951			
[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)	285114254.958022	285114253.93303			
Observation start date	2007-01-13T22:24:15	2007-01-13T22:24:13			
[s] Observation end time (MET)	285131157.208823	285131156.18383			
Observation end date	2007-01-14T03:05:57	2007-01-14T03:05:56			
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)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6106635873914

### **A.2 Comments**