

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56585 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 18 2012

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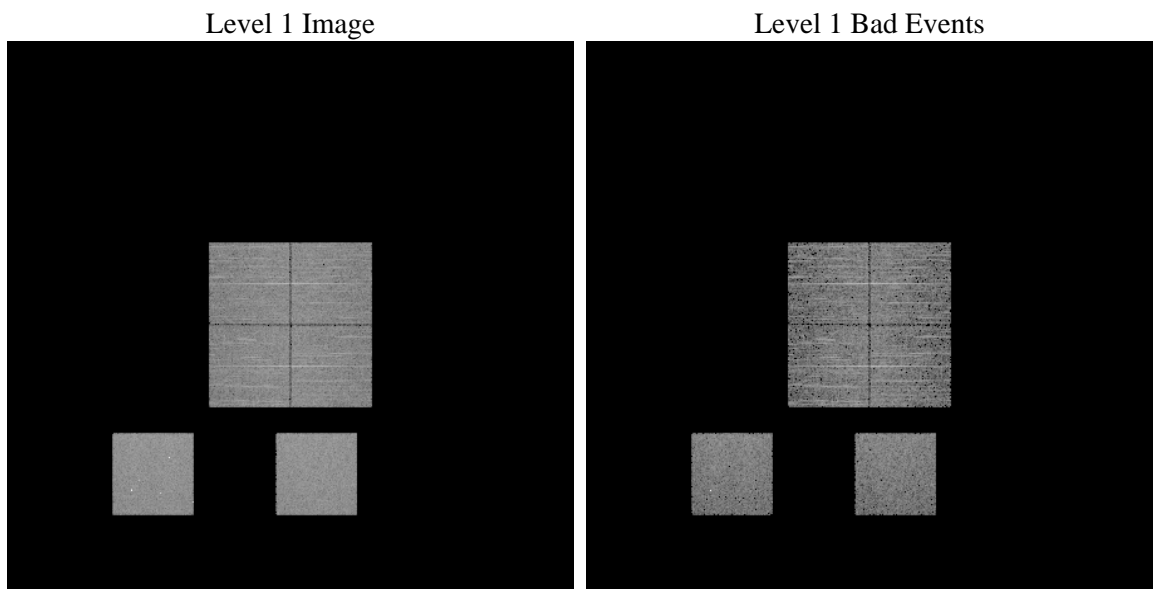
# 1 Front

seq_num	&#160	Sequence number
obs_id	56585	Observation id
title	ACIS-012357 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	62.009601768768	Nominal RA [deg]
dec_nom	36.961607148829	Nominal Dec [deg]
roll_nom	241.88670339497	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3273.5999878645	Sum of GTIs [s]
livetime	3232.1476936929	Livetime [s]
ontime0	3273.5999878645	Sum of GTIs [s]
ontime1	3273.5999878645	Sum of GTIs [s]
ontime2	3273.5999878645	Sum of GTIs [s]
ontime3	3273.5999878645	Sum of GTIs [s]
ontime5	3273.5999878645	Sum of GTIs [s]
ontime7	3273.5999878645	Sum of GTIs [s]
l2events	193095	Number of level 2 events

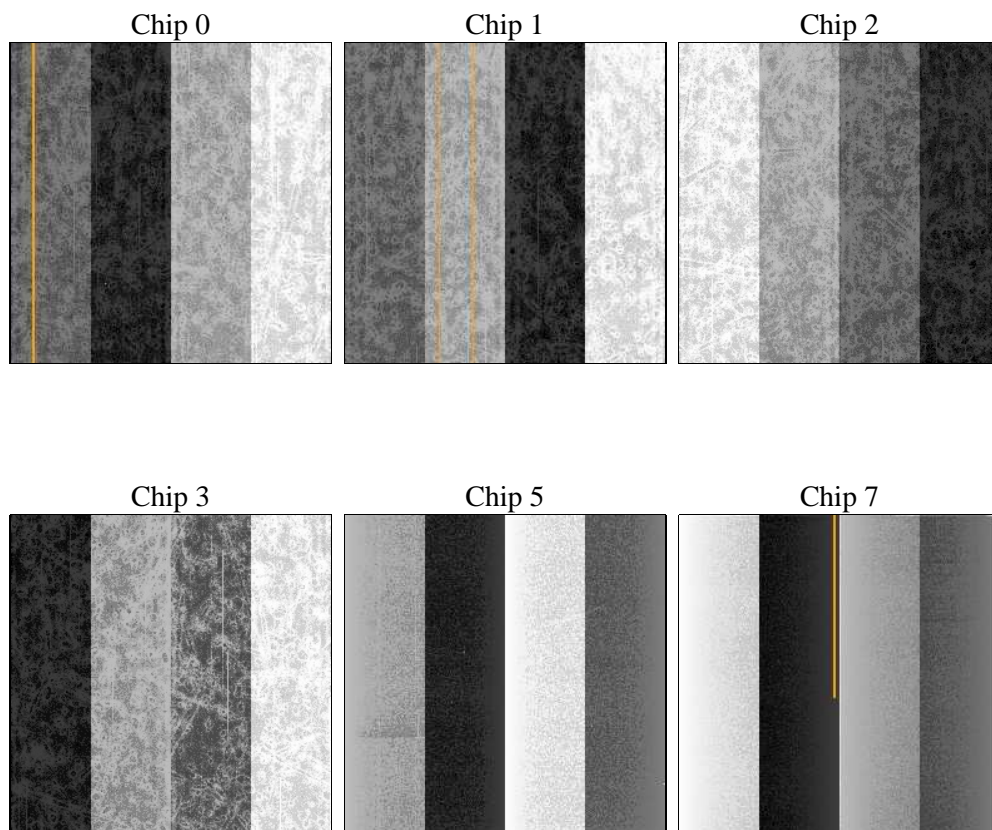
## 2 OBI

### 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	3273.5999878645	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	3273.5999878645	Sum of GTIs [s]
date	2012-06-18T08:17:31	Date and time of file creation	ontime1	3273.5999878645	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3273.5999878645	Sum of GTIs [s]
			ontime3	3273.5999878645	Sum of GTIs [s]
			ontime5	3273.5999878645	Sum of GTIs [s]
			ontime7	3273.5999878645	Sum of GTIs [s]
			l1events	385506	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	57894	58436	59782	59313	76513	73568	grade 0 events	14914	14710	15411	15666	6741	7970
rejected events	29731	30045	31362	30305	31194	28948		25%	25%	25%	26%	8%	10%
rejected %	51%	51%	52%	51%	40%	39%	grade 1 events	110	97	127	133	131	73
								0%	0%	0%	0%	0%	0%
							grade 2 events	5122	5350	4972	5083	16089	9823
								8%	9%	8%	8%	21%	13%
							grade 3 events	1877	1832	1926	1985	2015	4042
								3%	3%	3%	3%	2%	5%
							grade 4 events	1837	1952	2012	2030	1927	4145
								3%	3%	3%	3%	2%	5%
							grade 5 events	1739	1733	1617	1843	4160	4903
								3%	2%	2%	3%	5%	6%
							grade 6 events	4439	4573	4129	4275	18605	18677
								7%	7%	6%	7%	24%	25%
							grade 7 events	27856	28189	29588	28298	26845	23935
								48%	48%	49%	47%	35%	32%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012357	ACIS-012357	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	62.00960176876798	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	36.96160714882864	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	241.8867033949699	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	377424959.235205	377424958.21021			
Observation start date	2009-12-17T08:15:59	2009-12-17T08:15:58			
[s] Observation end time (MET)	377432359.735579	377432358.71058			
Observation end date	2009-12-17T10:19:20	2009-12-17T10:19:18			
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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2735999878645

### A.2 Comments