

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55613 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 5 2012

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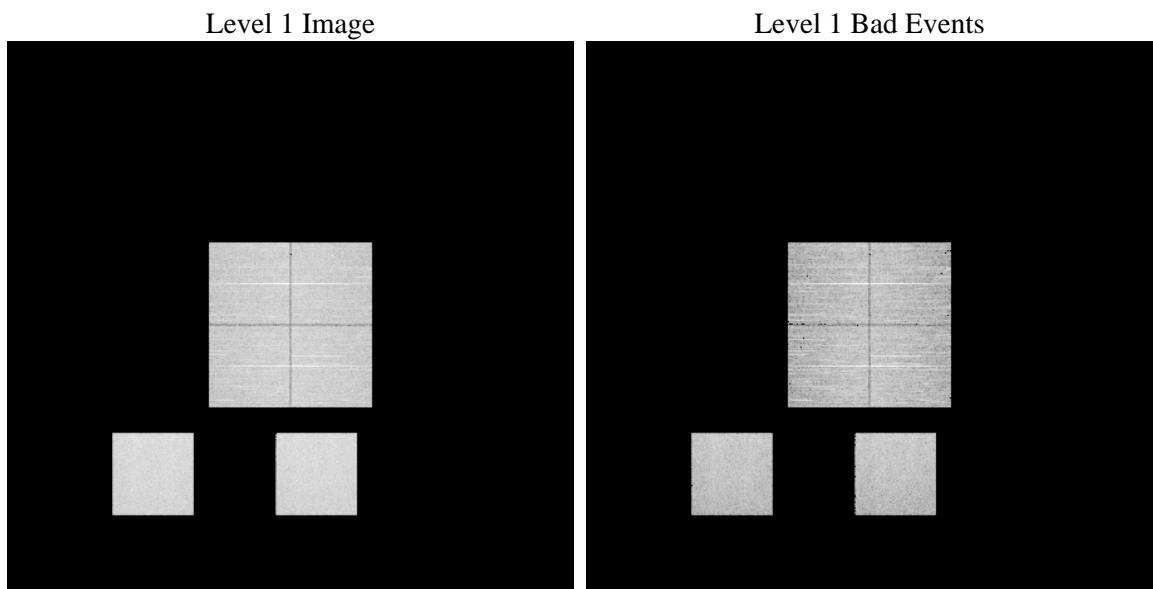
# 1 Front

seq_num	&#160	Sequence number
obs_id	55613	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	171.88604520446	Nominal RA [deg]
dec_nom	-16.045374219253	Nominal Dec [deg]
roll_nom	18.376015101501	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8188.7999695539	Sum of GTIs [s]
livetime	8085.1084536361	Livetime [s]
ontime0	8188.7999695539	Sum of GTIs [s]
ontime1	8185.5589492321	Sum of GTIs [s]
ontime2	8188.7999695539	Sum of GTIs [s]
ontime3	8188.7999695539	Sum of GTIs [s]
ontime5	8188.7999695539	Sum of GTIs [s]
ontime7	8188.7999695539	Sum of GTIs [s]
l2events	360218	Number of level 2 events

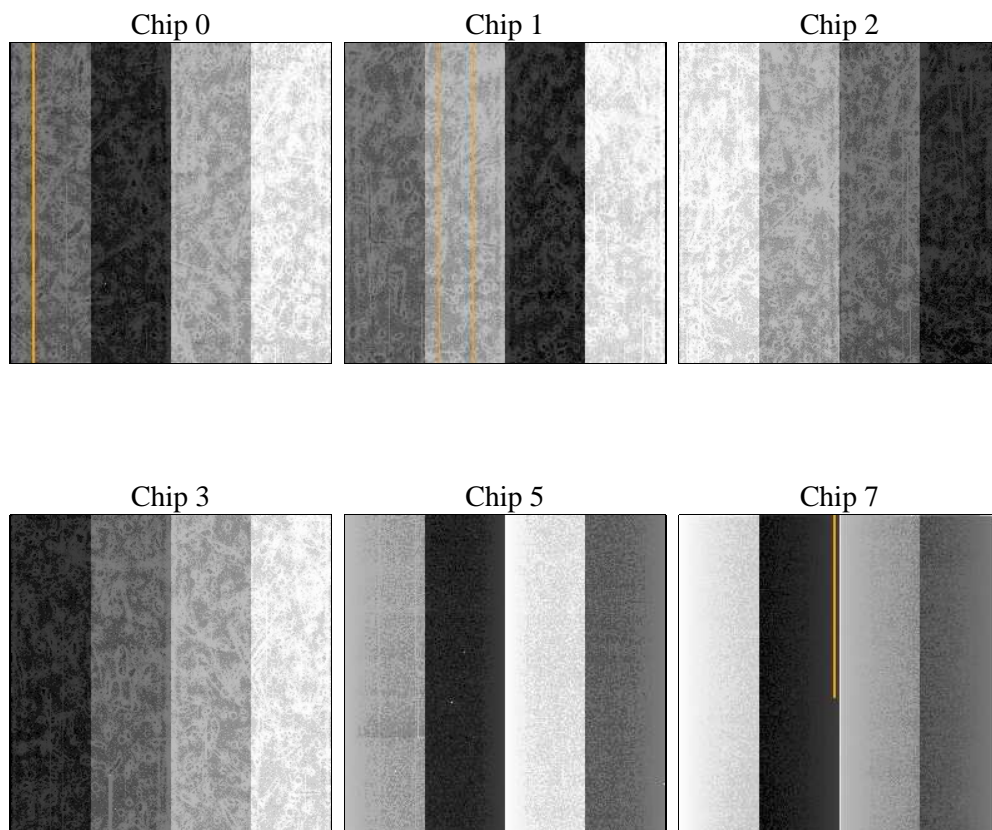
## 2 OBI

### 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	8.4.3	Processing system revision	ontime	8188.7999695539	Sum of GTIs [s]
caldsver	4.4.7	&#160	ontime0	8188.7999695539	Sum of GTIs [s]
date	2012-02-05T15:52:50	Date and time of file creation	ontime1	8185.5589492321	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8188.7999695539	Sum of GTIs [s]
			ontime3	8188.7999695539	Sum of GTIs [s]
			ontime5	8188.7999695539	Sum of GTIs [s]
			ontime7	8188.7999695539	Sum of GTIs [s]
			l1events	749579	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	111428	110593	112756	116514	150129	148159	grade 0 events	28050	26756	28206	28906	8947	14021
rejected events	58863	58165	61160	63619	65922	64352		25%	24%	25%	24%	5%	9%
rejected %	52%	52%	54%	54%	43%	43%	grade 1 events	161	154	206	222	185	122
								0%	0%	0%	0%	0%	0%
							grade 2 events	9753	10769	8880	9358	31634	18570
								8%	9%	7%	8%	21%	12%
							grade 3 events	3657	3408	3628	3702	3157	7396
								3%	3%	3%	3%	2%	4%
							grade 4 events	3466	3430	3634	3702	3112	7163
								3%	3%	3%	3%	2%	4%
							grade 5 events	3559	3640	3490	3998	7741	9543
								3%	3%	3%	3%	5%	6%
							grade 6 events	8218	8638	7823	7801	38308	37611
								7%	7%	6%	6%	25%	25%
							grade 7 events	54564	53798	56889	58825	57045	53733
								48%	48%	50%	50%	37%	36%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	171.8860452044645
[deg] Pointing Dec	0	-16.04537421925268
[deg] Pointing Roll	0.0	18.37601510150127
[mm] SIM focus pos	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	415613995.038707	415613995.038707
Observation start date	2011-03-04T08:19:55	2011-03-04T08:19:55
[s] Observation end time (MET)	415624596.770116	415624596.770116
Observation end date	2011-03-04T11:16:37	2011-03-04T11:16:36
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## **2.3 Star Slots**

## **2.4 FID Slots**

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.02.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1887999695539

### **A.2 Comments**