

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 55288 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Feb 18 2012

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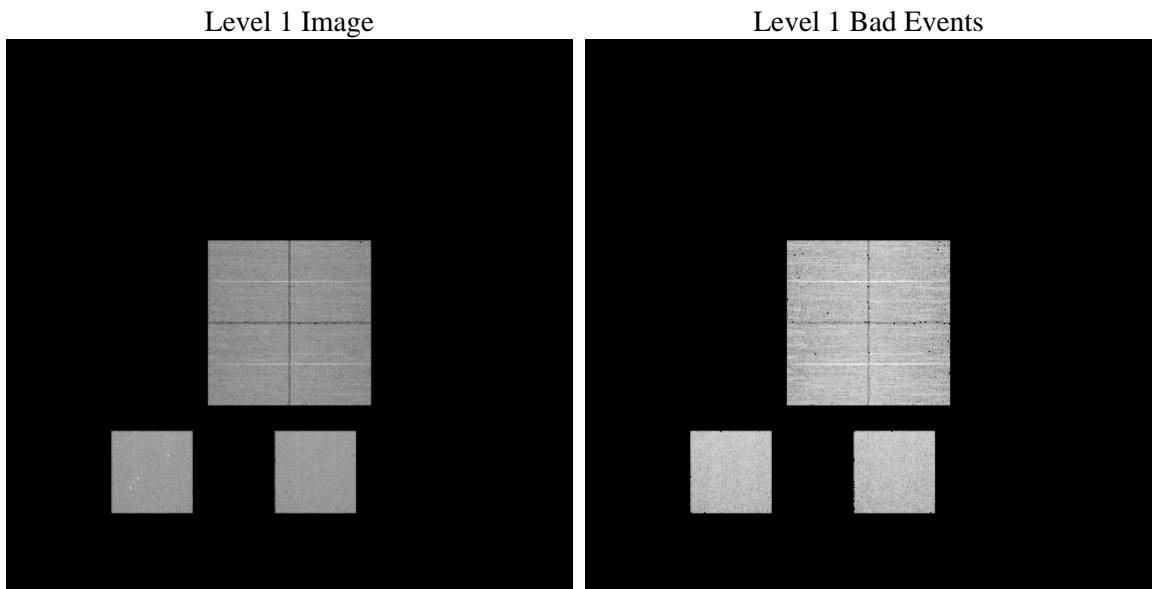
# 1 Front

seq_num	&#160	Sequence number
obs_id	55288	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	64.604405561463	Nominal RA [deg]
dec_nom	-29.837888730764	Nominal Dec [deg]
roll_nom	131.64169913051	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8179.1999695897	Sum of GTIs [s]
livetime	8075.6300146518	Livetime [s]
ontime0	8179.1999695897	Sum of GTIs [s]
ontime1	8179.1999695897	Sum of GTIs [s]
ontime2	8179.1999695897	Sum of GTIs [s]
ontime3	8179.1999695897	Sum of GTIs [s]
ontime5	8179.1999695897	Sum of GTIs [s]
ontime7	8179.1999695897	Sum of GTIs [s]
l2events	330189	Number of level 2 events

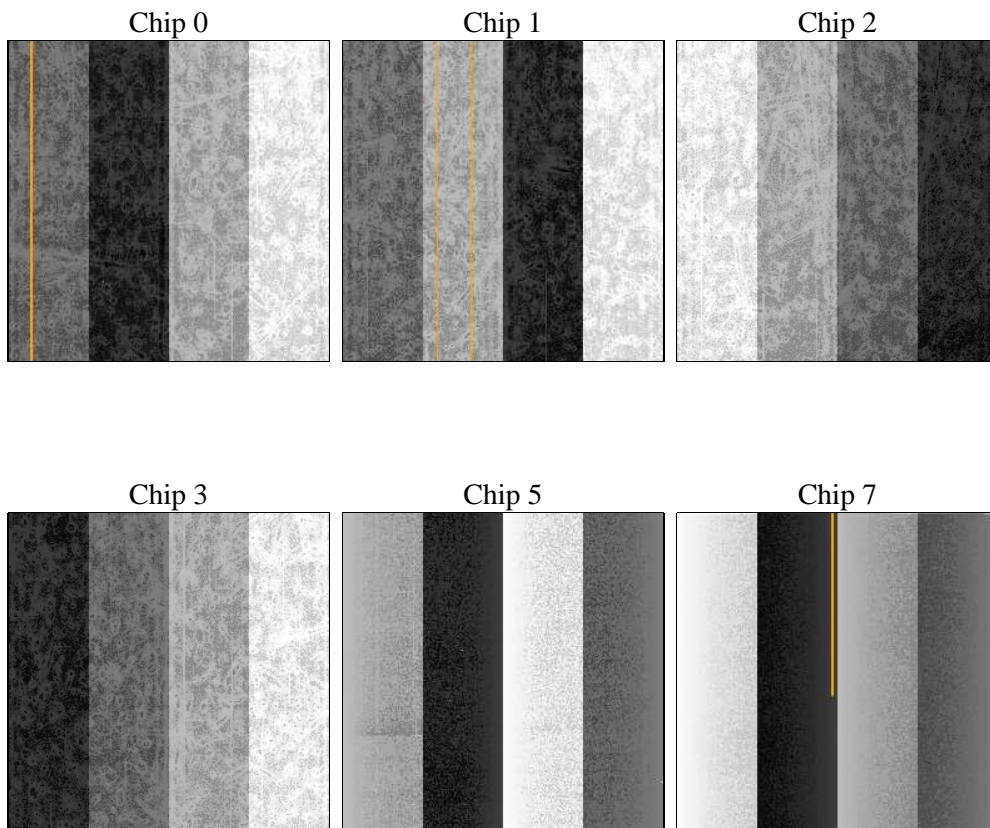
## 2 OBI

### 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	8179.1999695897	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	8179.1999695897	Sum of GTIs [s]
date	2012-02-18T07:13:25	Date and time of file creation	ontime1	8179.1999695897	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8179.1999695897	Sum of GTIs [s]
			ontime3	8179.1999695897	Sum of GTIs [s]
			ontime5	8179.1999695897	Sum of GTIs [s]
			ontime7	8179.1999695897	Sum of GTIs [s]
			l1events	676899	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	98754	99970	103394	103693	137203	133885	grade 0 events	25781	25320	26400	26651	11850	13615
rejected events	50708	51688	55489	55313	57756	57213		26%	25%	25%	25%	8%	10%
rejected %	51%	51%	53%	53%	42%	42%	grade 1 events	138	145	182	167	172	120
								0%	0%	0%	0%	0%	0%
							grade 2 events	8993	9620	8629	8697	28103	16921
								9%	9%	8%	8%	20%	12%
							grade 3 events	3260	3225	3314	3344	3308	6990
								3%	3%	3%	3%	2%	5%
							grade 4 events	3234	3282	3289	3421	3194	6885
								3%	3%	3%	3%	2%	5%
							grade 5 events	3333	3400	3119	3727	7241	9022
								3%	3%	3%	3%	5%	6%
							grade 6 events	7599	7687	7111	7089	34190	33447
								7%	7%	6%	6%	24%	24%
							grade 7 events	46416	47291	51350	50597	49145	46885
								47%	47%	49%	48%	35%	35%

## 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	64.60440556146305
[deg] Pointing Dec	0	-29.8378887307644
[deg] Pointing Roll	0.0	131.6416991305067
[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)	427687730.643815	427687730.643815
Observation start date	2011-07-22T02:08:51	2011-07-22T02:08:50
[s] Observation end time (MET)	427697813.216501	427697813.216501
Observation end date	2011-07-22T04:56:53	2011-07-22T04:56:53
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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1791999695897

### **A.2 Comments**