

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 54825 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 29 2012

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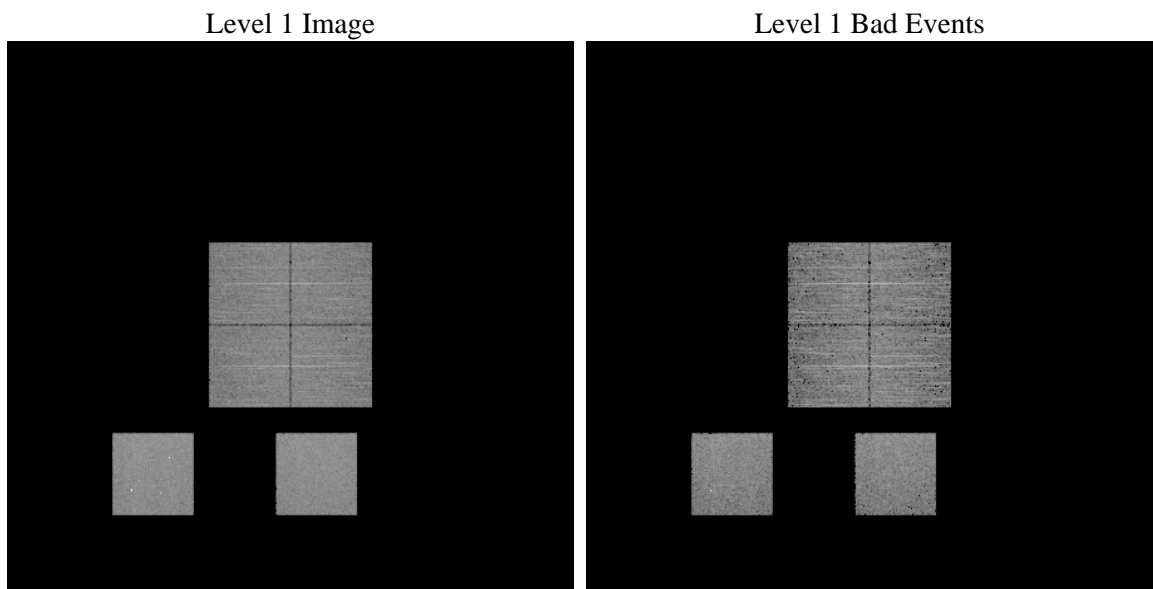
# 1 Front

seq_num	&#160	Sequence number
obs_id	54825	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	157.67220020713	Nominal RA [deg]
dec_nom	28.442433254715	Nominal Dec [deg]
roll_nom	197.86179551636	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5785.5999785066	Sum of GTIs [s]
livetime	5712.3392279086	Livetime [s]
ontime0	5785.5999785066	Sum of GTIs [s]
ontime1	5785.5999785066	Sum of GTIs [s]
ontime2	5785.5999785066	Sum of GTIs [s]
ontime3	5785.5999785066	Sum of GTIs [s]
ontime5	5785.5999785066	Sum of GTIs [s]
ontime7	5785.5999785066	Sum of GTIs [s]
l2events	207228	Number of level 2 events

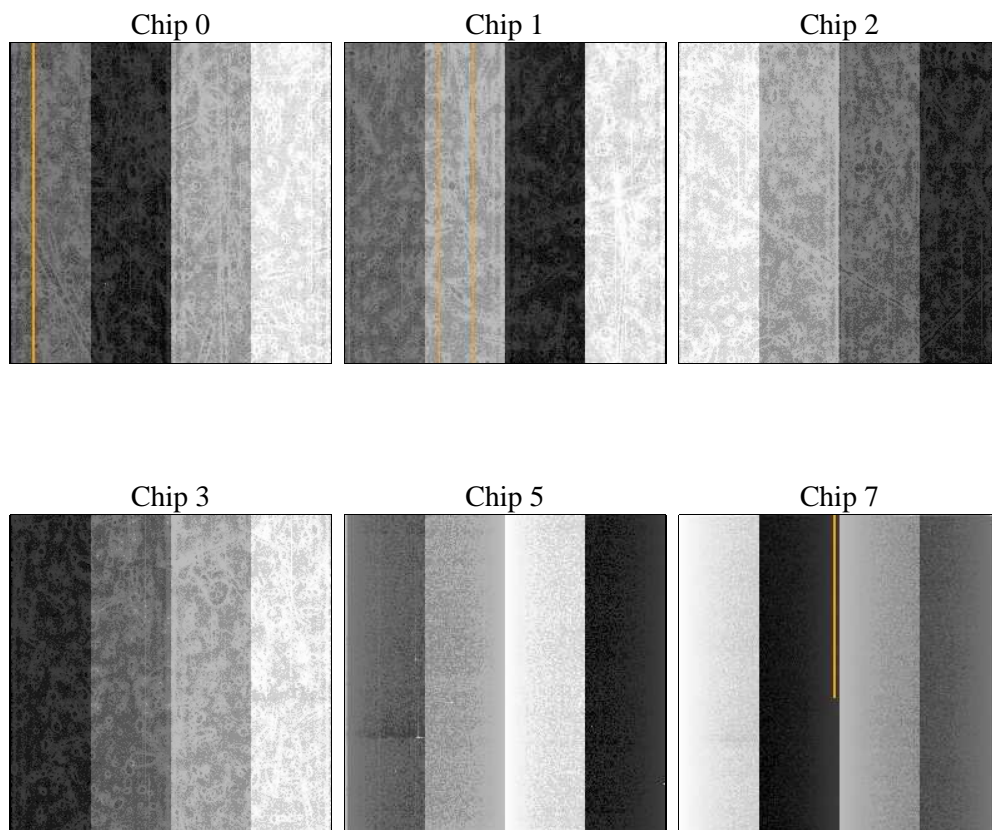
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5785.5999785066	Sum of GTIs [s]
caldsver	4.4.8	&#160	ontime0	5785.5999785066	Sum of GTIs [s]
date	2012-02-29T20:47:41	Date and time of file creation	ontime1	5785.5999785066	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5785.5999785066	Sum of GTIs [s]
			ontime3	5785.5999785066	Sum of GTIs [s]
			ontime5	5785.5999785066	Sum of GTIs [s]
			ontime7	5785.5999785066	Sum of GTIs [s]
			l1events	447347	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	65569	64878	65201	67752	94504	89443	grade 0 events	15997	15355	16232	16028	7368	8229
rejected events	35709	35457	35561	38444	41988	40679		24%	23%	24%	23%	7%	9%
rejected %	54%	54%	54%	56%	44%	45%	grade 1 events	100	96	110	103	89	81
								0%	0%	0%	0%	0%	0%
							grade 2 events	5719	5900	5444	5360	19214	10749
								8%	9%	8%	7%	20%	12%
							grade 3 events	2058	2055	2133	2155	2170	4530
								3%	3%	3%	3%	2%	5%
							grade 4 events	2092	2025	2062	2079	2005	4401
								3%	3%	3%	3%	2%	4%
							grade 5 events	2279	2293	2166	2481	5216	6300
								3%	3%	3%	3%	5%	7%
							grade 6 events	4708	4826	4459	4421	23080	22064
								7%	7%	6%	6%	24%	24%
							grade 7 events	32616	32328	32595	35125	35362	33089
								49%	49%	49%	51%	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	157.6722002071331
[deg] Pointing Dec	0	28.44243325471519
[deg] Pointing Roll	0.0	197.8617955163559
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	446887660.391948	446887660.391948
Observation start date	2012-02-29T07:27:40	2012-02-29T07:27:40
[s] Observation end time (MET)	446894846.899939	446894846.899939
Observation end date	2012-02-29T09:27:27	2012-02-29T09:27:26
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)	2012.03.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7855999785066

### **A.2 Comments**