

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 53789 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Apr 9 2013

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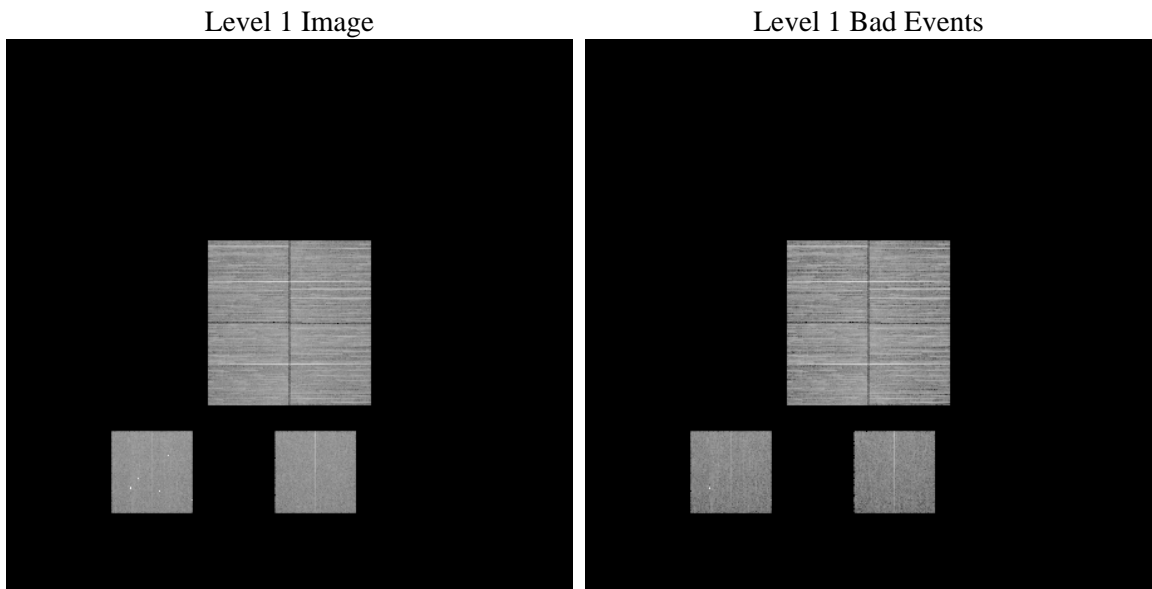
# 1 Front

seq_num	&#160	Sequence number
obs_id	53789	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	200.16199043618	Nominal RA [deg]
dec_nom	-3.0337857745048	Nominal Dec [deg]
roll_nom	132.37836753629	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8255.9999693036	Sum of GTIs [s]
livetime	8151.4575265259	Livetime [s]
ontime0	8255.9999693036	Sum of GTIs [s]
ontime1	8255.9999693036	Sum of GTIs [s]
ontime2	8255.9999693036	Sum of GTIs [s]
ontime3	8255.9999693036	Sum of GTIs [s]
ontime5	8255.9999693036	Sum of GTIs [s]
ontime7	8255.9999693036	Sum of GTIs [s]
l2events	246427	Number of level 2 events

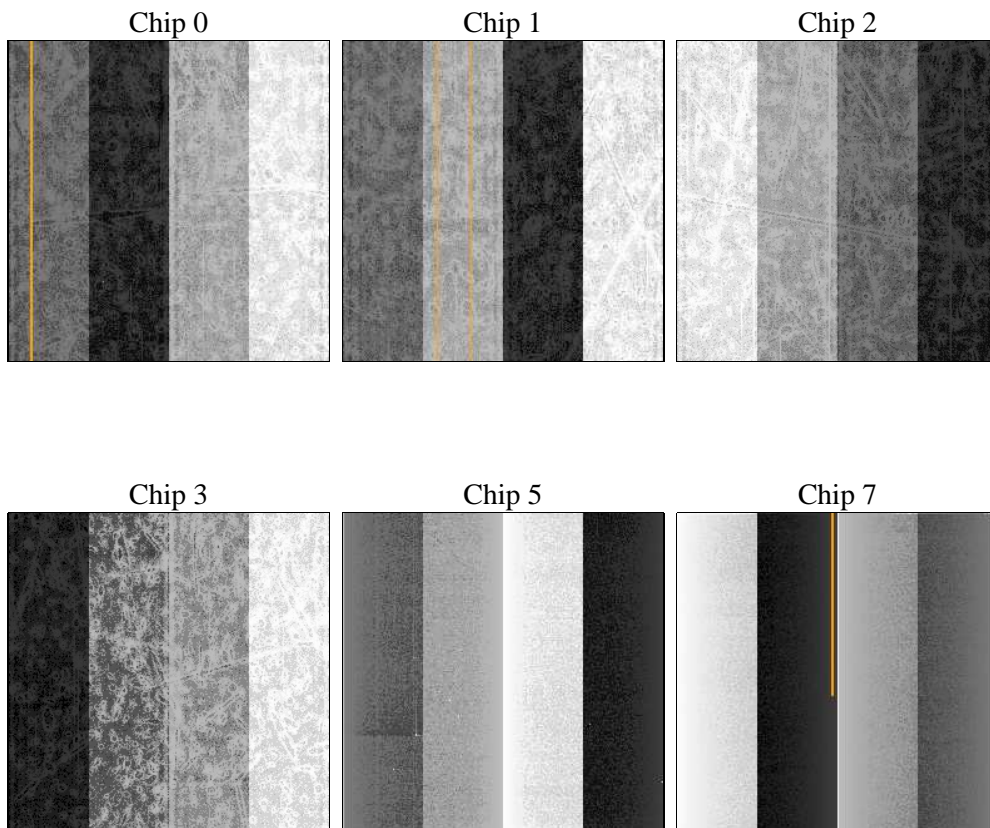
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	8255.9999693036	Sum of GTIs [s]
caldsver	4.5.6	&#160	ontime0	8255.9999693036	Sum of GTIs [s]
date	2013-04-09T17:09:23	Date and time of file creation	ontime1	8255.9999693036	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8255.9999693036	Sum of GTIs [s]
			ontime3	8255.9999693036	Sum of GTIs [s]
			ontime5	8255.9999693036	Sum of GTIs [s]
			ontime7	8255.9999693036	Sum of GTIs [s]
			l1events	973338	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	168743	170388	176571	175820	146919	134897	grade 0 events	16559	15775	17544	17336	8687	8468
rejected events	135504	136921	142925	142172	79526	73501		9%	9%	9%	9%	5%	6%
rejected %	80%	80%	80%	80%	54%	54%	grade 1 events	101	65	108	96	179	88
								0%	0%	0%	0%	0%	0%
							grade 2 events	6995	7800	6767	6579	24750	15124
								4%	4%	3%	3%	16%	11%
							grade 3 events	2164	2111	2258	2285	2000	4906
								1%	1%	1%	1%	1%	3%
							grade 4 events	2206	2128	2220	2389	1945	4729
								1%	1%	1%	1%	1%	3%
							grade 5 events	2892	2930	2798	3321	5938	7785
								1%	1%	1%	1%	4%	5%
							grade 6 events	5406	5755	4978	5161	30209	28367
								3%	3%	2%	2%	20%	21%
							grade 7 events	132420	133824	139898	138653	73211	65430
								78%	78%	79%	78%	49%	48%

## 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	200.1619904361806
[deg] Pointing Dec	0	-3.033785774504816
[deg] Pointing Roll	0.0	132.3783675362893
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)	481875503.237455	481875503.237455
Observation start date	2013-04-09T06:18:23	2013-04-09T06:18:23
[s] Observation end time (MET)	481886427.924906	481886427.924906
Observation end date	2013-04-09T09:20:28	2013-04-09T09:20:27
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)	2013.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2559999693036

### **A.2 Comments**