

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 55958 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 5 2012

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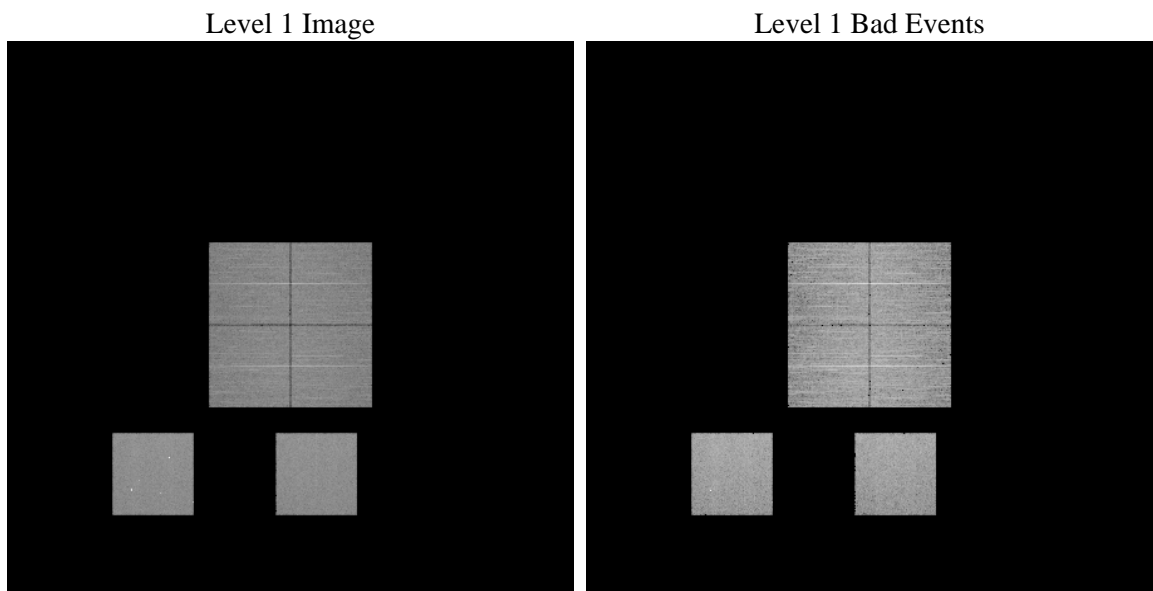
# 1 Front

seq_num	&#160	Sequence number
obs_id	55958	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	356.02209981348	Nominal RA [deg]
dec_nom	-0.017115916349538	Nominal Dec [deg]
roll_nom	290.44609884199	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8281.5999692082	Sum of GTIs [s]
livetime	8176.7333638173	Livetime [s]
ontime0	8281.5999692082	Sum of GTIs [s]
ontime1	8281.5999692082	Sum of GTIs [s]
ontime2	8281.5999692082	Sum of GTIs [s]
ontime3	8281.5999692082	Sum of GTIs [s]
ontime5	8281.5999692082	Sum of GTIs [s]
ontime7	8281.5999692082	Sum of GTIs [s]
l2events	415052	Number of level 2 events

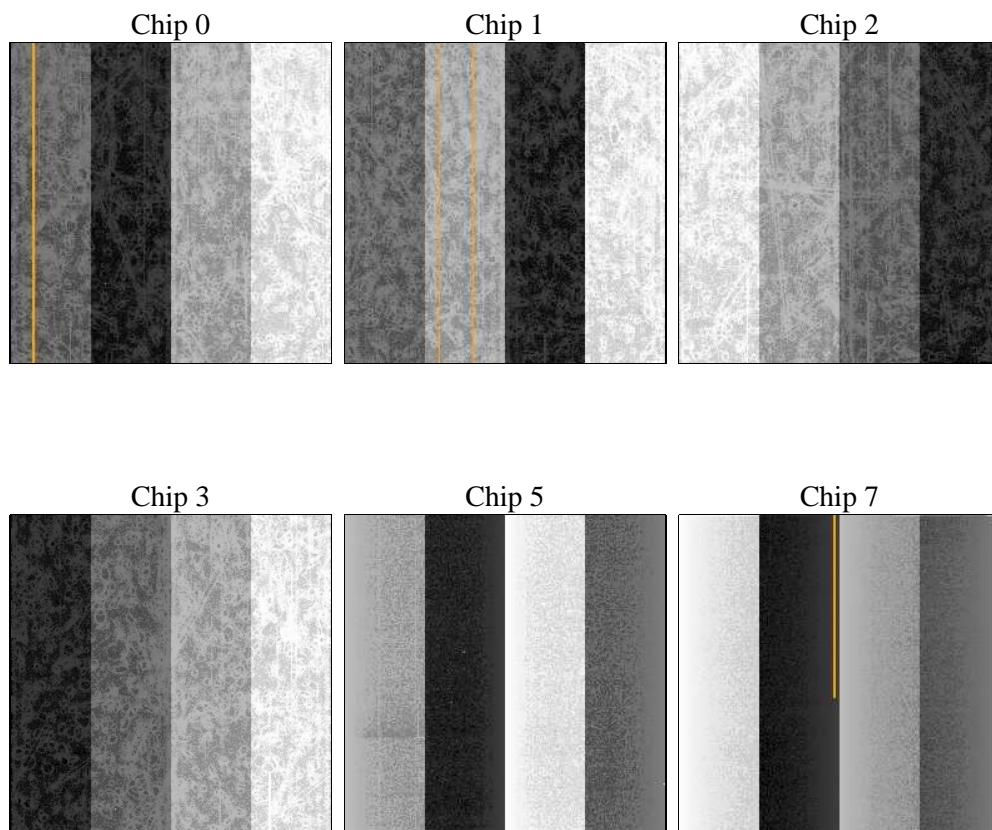
## 2 OBI

### 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	8281.5999692082	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime0	8281.5999692082	Sum of GTIs [s]
date	2012-07-05T07:21:45	Date and time of file creation	ontime1	8281.5999692082	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8281.5999692082	Sum of GTIs [s]
			ontime3	8281.5999692082	Sum of GTIs [s]
			ontime5	8281.5999692082	Sum of GTIs [s]
			ontime7	8281.5999692082	Sum of GTIs [s]
			l1events	823007	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	120789	122928	126659	128097	165058	159476	grade 0 events	32928	31789	32762	33203	14915	16756
rejected events	59084	60932	65573	66361	66894	64906		27%	25%	25%	25%	9%	10%
rejected %	48%	49%	51%	51%	40%	40%	grade 1 events	245	171	222	234	207	126
								0%	0%	0%	0%	0%	0%
							grade 2 events	11091	12063	10771	10766	34838	20529
								9%	9%	8%	8%	21%	12%
							grade 3 events	4291	4176	4194	4308	4247	8622
								3%	3%	3%	3%	2%	5%
							grade 4 events	4011	4018	4233	4186	3988	8475
								3%	3%	3%	3%	2%	5%
							grade 5 events	3748	4012	3567	4142	8823	10360
								3%	3%	2%	3%	5%	6%
							grade 6 events	9412	9979	9151	9291	40225	40232
								7%	8%	7%	7%	24%	25%
							grade 7 events	55063	56720	61759	61967	57815	54376
								45%	46%	48%	48%	35%	34%

## 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	356.022099813485	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-0.01711591634953811	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	290.4460988419883	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	403698435.023604	403698433.9986			
Observation start date	2010-10-17T10:27:15	2010-10-17T10:27:13			
[s] Observation end time (MET)	403708387.774116	403708386.74911			
Observation end date	2010-10-17T13:13:08	2010-10-17T13:13:06			
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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2815999692082

### A.2 Comments