

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 55857 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jul 7 2012

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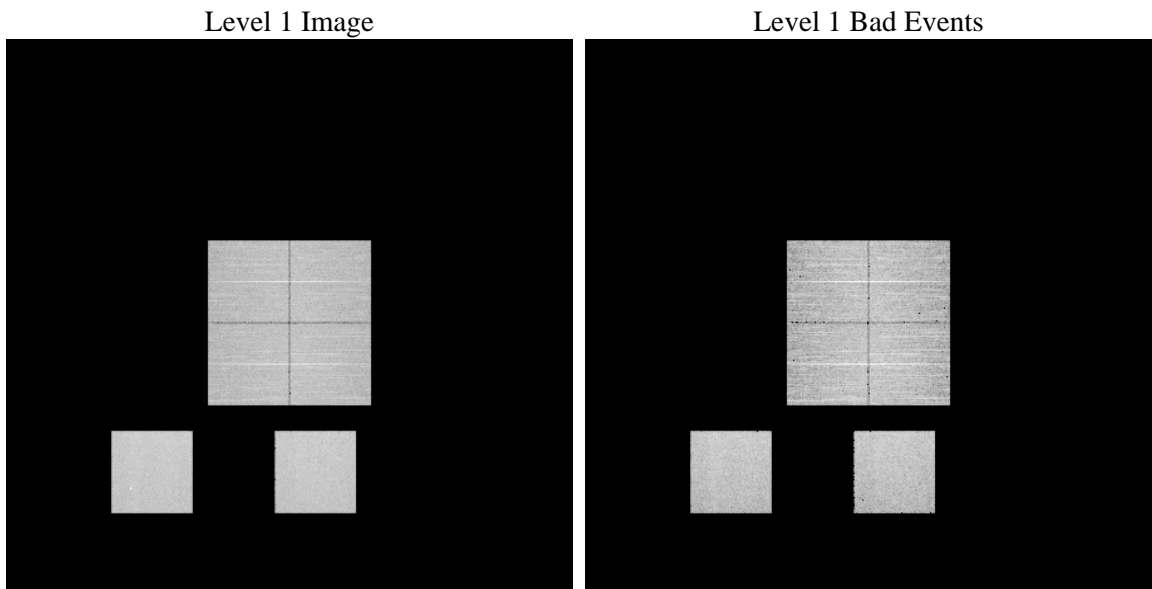
# 1 Front

seq_num	&#160	Sequence number
obs_id	55857	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	203.81106272193	Nominal RA [deg]
dec_nom	27.626999866437	Nominal Dec [deg]
roll_nom	37.241213218859	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8284.2322900891	Sum of GTIs [s]
livetime	8179.3323526662	Livetime [s]
ontime0	8284.1912500858	Sum of GTIs [s]
ontime1	8284.1502100825	Sum of GTIs [s]
ontime2	8284.1091700792	Sum of GTIs [s]
ontime3	8281.0323597789	Sum of GTIs [s]
ontime5	8284.0681300759	Sum of GTIs [s]
ontime7	8284.2322900891	Sum of GTIs [s]
l2events	386753	Number of level 2 events

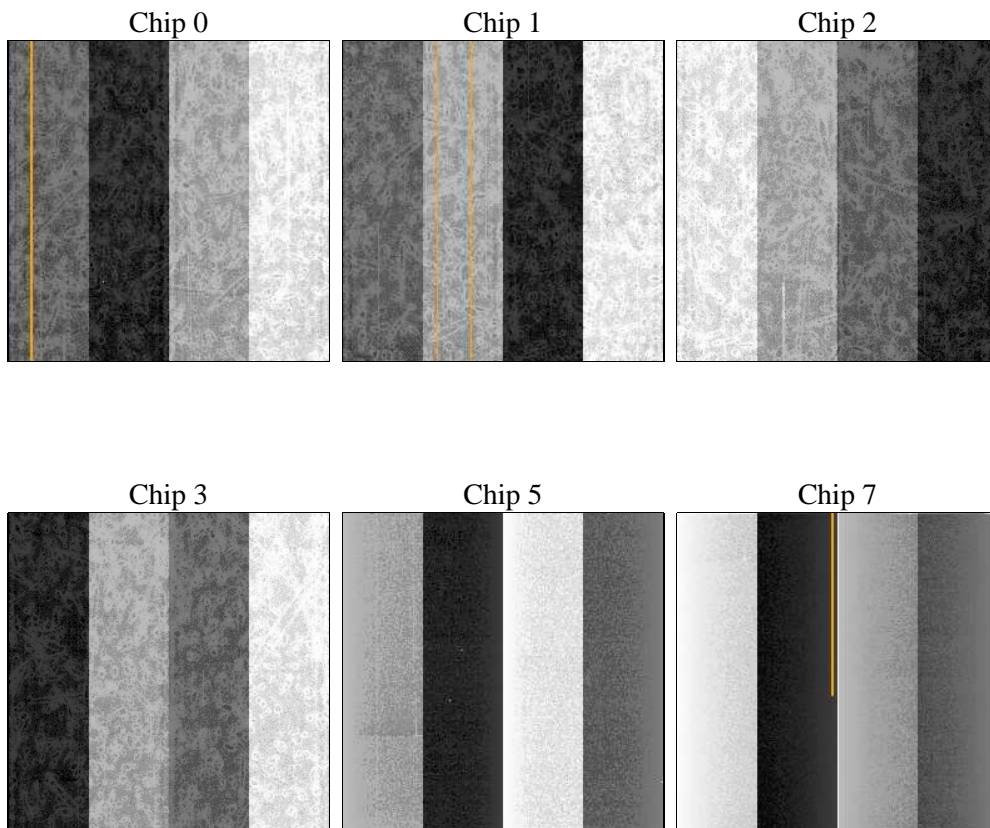
## 2 OBI

### 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	8284.2322900891	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime0	8284.1912500858	Sum of GTIs [s]
date	2012-07-07T05:10:10	Date and time of file creation	ontime1	8284.1502100825	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8284.1091700792	Sum of GTIs [s]
			ontime3	8281.0323597789	Sum of GTIs [s]
			ontime5	8284.0681300759	Sum of GTIs [s]
			ontime7	8284.2322900891	Sum of GTIs [s]
			l1events	773913	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	112801	114031	116213	121615	156500	152753	grade 0 events	29766	28986	30277	30596	11114	15463
rejected events	56599	57699	59992	64956	65778	63228		26%	25%	26%	25%	7%	10%
rejected %	50%	50%	51%	53%	42%	41%	grade 1 events	190	150	249	205	183	139
								0%	0%	0%	0%	0%	0%
							grade 2 events	10417	10850	9923	9849	32496	19294
								9%	9%	8%	8%	20%	12%
							grade 3 events	3736	3893	3837	3996	3865	8180
								3%	3%	3%	3%	2%	5%
							grade 4 events	3717	3705	3920	3925	3709	7931
								3%	3%	3%	3%	2%	5%
							grade 5 events	3587	3799	3567	4121	8591	10199
								3%	3%	3%	3%	5%	6%
							grade 6 events	8595	8936	8288	8317	39572	38686
								7%	7%	7%	6%	25%	25%
							grade 7 events	52793	53712	56152	60606	56970	52861
								46%	47%	48%	49%	36%	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	203.811062721932	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	27.62699986643737	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	37.24121321885907	[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)	406702568.728275	406702567.70327			
Observation start date	2010-11-21T04:56:09	2010-11-21T04:56:07			
[s] Observation end time (MET)	406712175.02877	406712174.00376			
Observation end date	2010-11-21T07:36:15	2010-11-21T07:36:14			
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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2842322900891

### A.2 Comments