

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56145 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 29 2012

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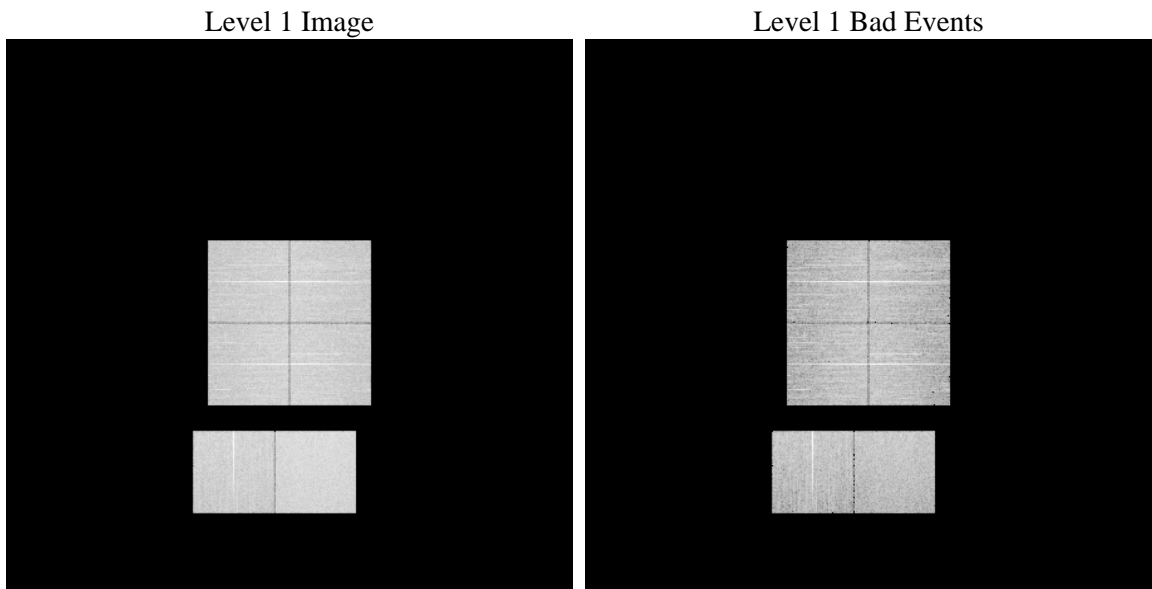
# 1 Front

seq_num	&#160	Sequence number
obs_id	56145	Observation id
title	ACIS-012367 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	157.0429306163	Nominal RA [deg]
dec_nom	62.975826621015	Nominal Dec [deg]
roll_nom	295.1307479384	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8283.9928412437	Sum of GTIs [s]
livetime	8179.0959358663	Livetime [s]
ontime0	8283.9518012404	Sum of GTIs [s]
ontime1	8283.9107612371	Sum of GTIs [s]
ontime2	8283.8697212338	Sum of GTIs [s]
ontime3	8283.9943932891	Sum of GTIs [s]
ontime6	8283.8286812305	Sum of GTIs [s]
ontime7	8283.9928412437	Sum of GTIs [s]
l2events	387049	Number of level 2 events

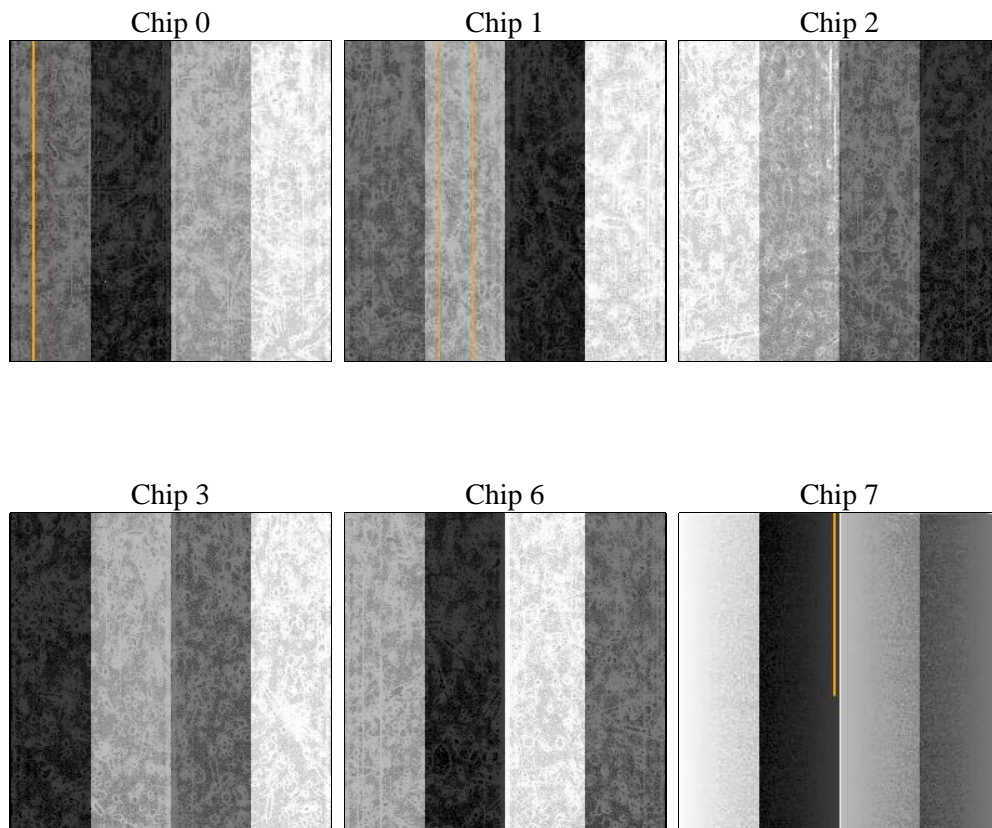
## 2 OBI

### 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	8283.9928412437	Sum of GTIs [s]
caldsver	4.5.0	&#160	ontime0	8283.9518012404	Sum of GTIs [s]
date	2012-06-29T15:10:39	Date and time of file creation	ontime1	8283.9107612371	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8283.8697212338	Sum of GTIs [s]
			ontime3	8283.9943932891	Sum of GTIs [s]
			ontime6	8283.8286812305	Sum of GTIs [s]
			ontime7	8283.9928412437	Sum of GTIs [s]
			l1events	800039	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	124388	123810	127097	128096	132641	164007	grade 0 events	32717	32209	33534	33333	33399	16807
rejected events	62554	61762	65066	66106	68157	67110		26%	26%	26%	26%	25%	10%
rejected %	50%	49%	51%	51%	51%	40%	grade 1 events	213	164	251	251	192	158
								0%	0%	0%	0%	0%	0%
							grade 2 events	11428	11750	10906	11003	11830	20965
								9%	9%	8%	8%	8%	12%
							grade 3 events	4231	4185	4275	4297	4183	8829
								3%	3%	3%	3%	3%	5%
							grade 4 events	4072	4096	4253	4298	4142	8760
								3%	3%	3%	3%	3%	5%
							grade 5 events	3888	4002	3720	4222	4167	10545
								3%	3%	2%	3%	3%	6%
							grade 6 events	9386	9808	9063	9059	10930	41536
								7%	7%	7%	7%	8%	25%
							grade 7 events	58453	57596	61095	61633	63798	56407
								46%	46%	48%	48%	48%	34%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	157.0429306163012	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	62.97582662101509	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	295.1307479383964	[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)	394819669.318598	394819668.29361			
Observation start date	2010-07-06T16:07:49	2010-07-06T16:07:48			
[s] Observation end time (MET)	394832842.61927	394832841.59428			
Observation end date	2010-07-06T19:47:23	2010-07-06T19:47:21			
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)	2012.07.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2839928412437

### A.2 Comments