

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56816 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 13 2012

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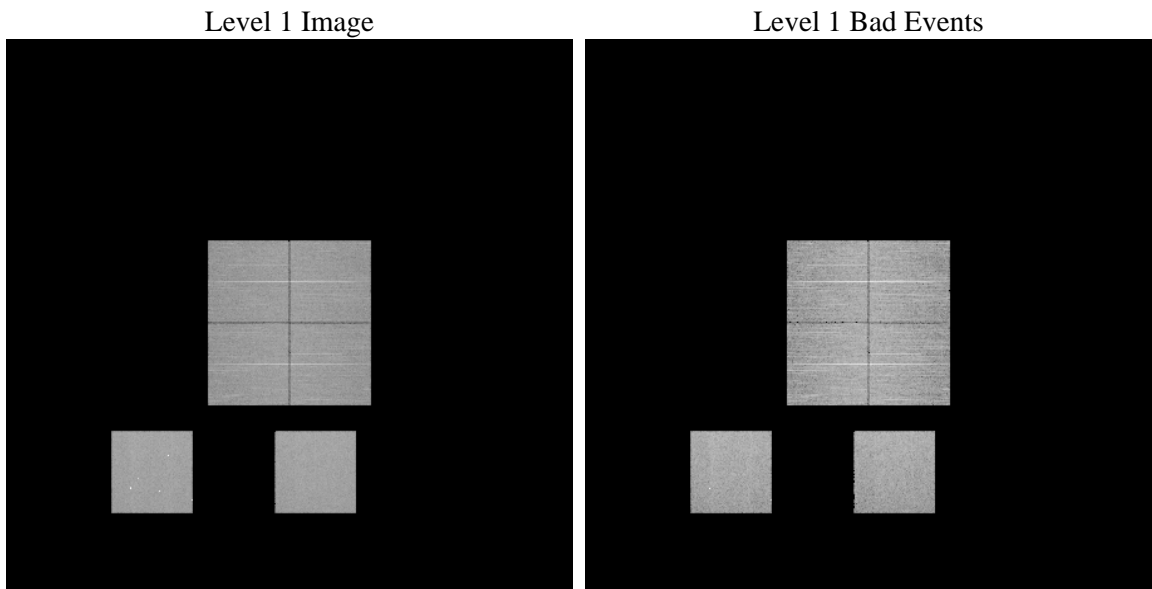
# 1 Front

seq_num	&#160	Sequence number
obs_id	56816	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	354.97605497027	Nominal RA [deg]
dec_nom	25.481062075729	Nominal Dec [deg]
roll_nom	188.31629103082	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8454.3999685645	Sum of GTIs [s]
livetime	8347.3452655341	Livetime [s]
ontime0	8454.3999685645	Sum of GTIs [s]
ontime1	8454.3999685645	Sum of GTIs [s]
ontime2	8454.3999685645	Sum of GTIs [s]
ontime3	8454.3999685645	Sum of GTIs [s]
ontime5	8454.3999685645	Sum of GTIs [s]
ontime7	8454.3999685645	Sum of GTIs [s]
l2events	502354	Number of level 2 events

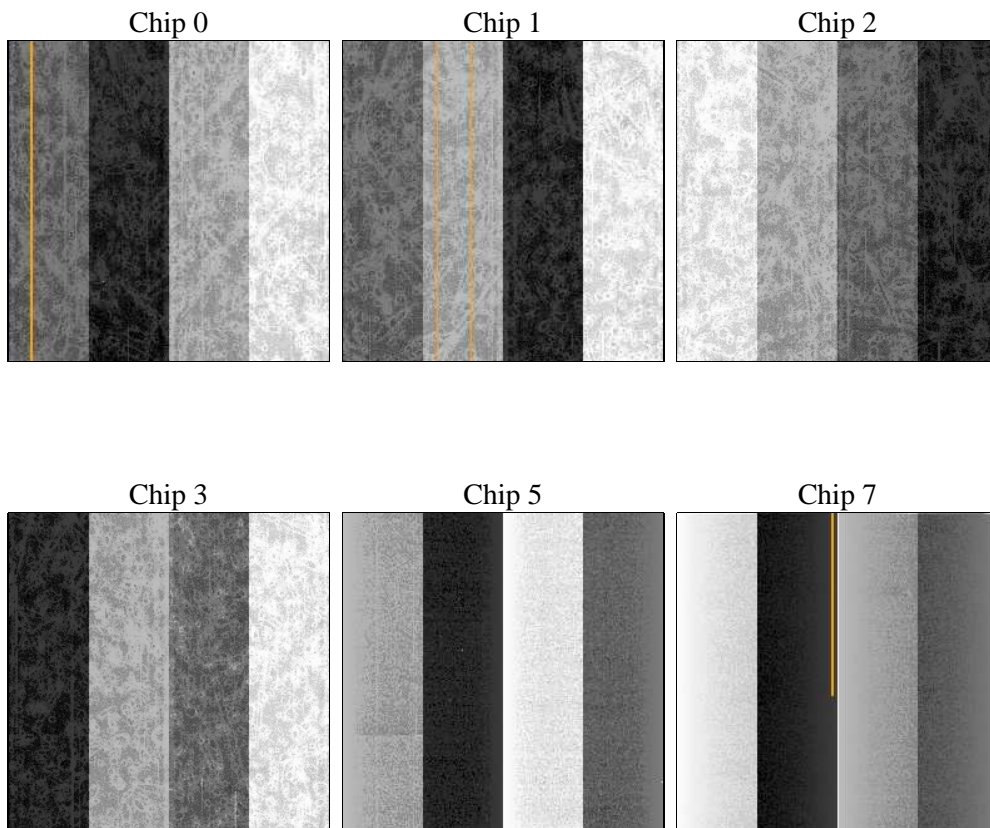
## 2 OBI

### 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	8454.3999685645	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8454.3999685645	Sum of GTIs [s]
date	2012-06-13T21:57:11	Date and time of file creation	ontime1	8454.3999685645	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8454.3999685645	Sum of GTIs [s]
			ontime3	8454.3999685645	Sum of GTIs [s]
			ontime5	8454.3999685645	Sum of GTIs [s]
			ontime7	8454.3999685645	Sum of GTIs [s]
			l1events	982258	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	146807	149147	152997	152527	193088	187692	grade 0 events	39396	39404	40099	40708	18227	20765
rejected events	72606	73813	78754	77538	75538	72558		26%	26%	26%	26%	9%	11%
rejected %	49%	49%	51%	50%	39%	38%	grade 1 events	289	265	321	327	351	159
								0%	0%	0%	0%	0%	0%
							grade 2 events	13578	14130	13046	12944	41700	24993
								9%	9%	8%	8%	21%	13%
							grade 3 events	4919	5137	5130	5131	5015	10558
								3%	3%	3%	3%	2%	5%
							grade 4 events	5064	4968	5092	5252	5017	10486
								3%	3%	3%	3%	2%	5%
							grade 5 events	4199	4230	3923	4659	10129	11905
								2%	2%	2%	3%	5%	6%
							grade 6 events	11244	11695	10876	10954	47591	48332
								7%	7%	7%	7%	24%	25%
							grade 7 events	68118	69318	74510	72552	65058	60494
								46%	46%	48%	47%	33%	32%

## 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	354.9760549702688	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	25.48106207572903	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	188.3162910308245	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-0.6828225247311905			
[mm] SIM defocus	0.1037507710433287	0.8505141146731063			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	369920564.857158	369920563.83215			
Observation start date	2009-09-21T11:42:45	2009-09-21T11:42:43			
[s] Observation end time (MET)	369931554.90771	369931553.8827			
Observation end date	2009-09-21T14:45:55	2009-09-21T14:45:53			
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)	2012.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4543999685645

### A.2 Comments