

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56948 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 10 2012

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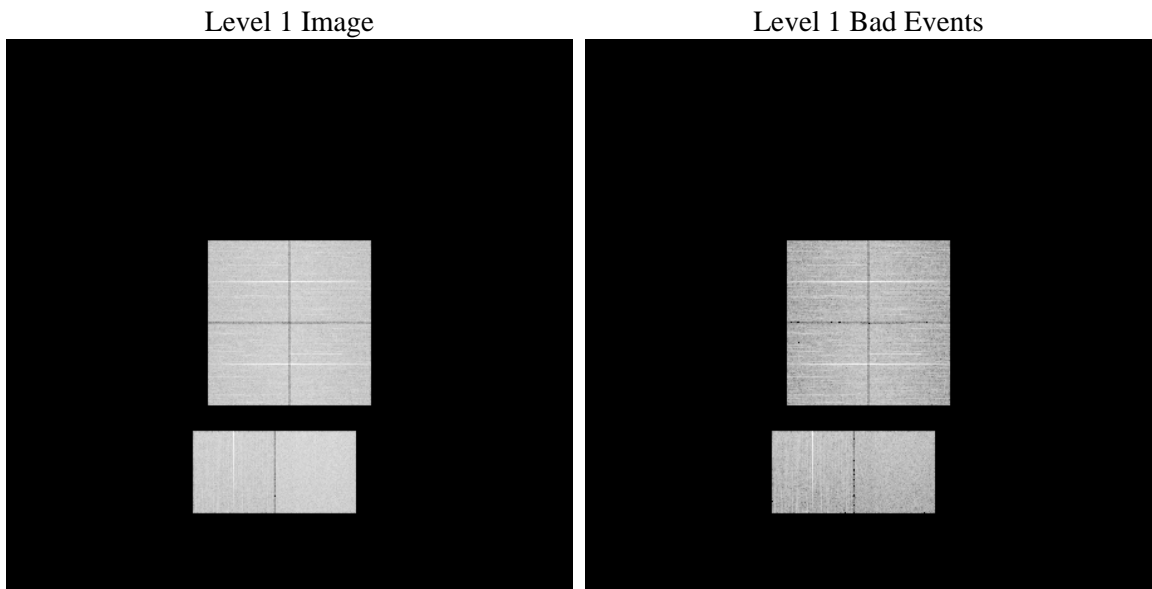
# 1 Front

seq_num	&#160	Sequence number
obs_id	56948	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	312.23542316897	Nominal RA [deg]
dec_nom	-42.276776848781	Nominal Dec [deg]
roll_nom	31.6854708838	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8274.257348299	Sum of GTIs [s]
livetime	8169.4837195952	Livetime [s]
ontime0	8274.2163082957	Sum of GTIs [s]
ontime1	8274.1752682924	Sum of GTIs [s]
ontime2	8274.1342282891	Sum of GTIs [s]
ontime3	8274.2941142917	Sum of GTIs [s]
ontime6	8274.0931882858	Sum of GTIs [s]
ontime7	8274.257348299	Sum of GTIs [s]
l2events	472629	Number of level 2 events

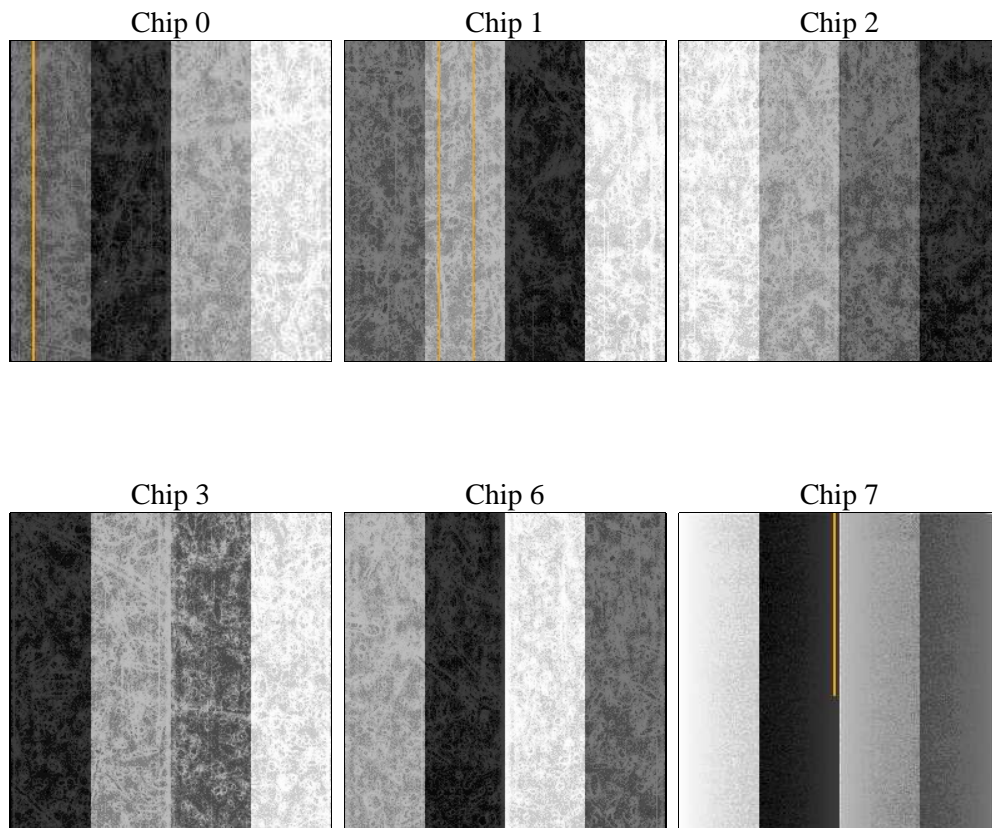
## 2 OBI

### 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	8274.257348299	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	8274.2163082957	Sum of GTIs [s]
date	2012-06-10T14:04:21	Date and time of file creation	ontime1	8274.1752682924	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	8274.1342282891	Sum of GTIs [s]
			ontime3	8274.2941142917	Sum of GTIs [s]
			ontime6	8274.0931882858	Sum of GTIs [s]
			ontime7	8274.257348299	Sum of GTIs [s]
			l1events	961376	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	149803	152227	156508	156514	158158	188166	grade 0 events	40301	39957	41243	41577	41070	21207
rejected events	74139	75668	80666	79980	79007	71958		26%	26%	26%	26%	25%	11%
rejected %	49%	49%	51%	51%	49%	38%	grade 1 events	336	258	332	331	279	160
								0%	0%	0%	0%	0%	0%
							grade 2 events	13682	14562	13159	13481	14321	25010
								9%	9%	8%	8%	9%	13%
							grade 3 events	5035	5086	5207	5203	5212	10867
								3%	3%	3%	3%	3%	5%
							grade 4 events	5051	5167	5107	5185	5193	10784
								3%	3%	3%	3%	3%	5%
							grade 5 events	4258	4343	3931	4727	4685	11961
								2%	2%	2%	3%	2%	6%
							grade 6 events	11595	11787	11126	11088	13355	48340
								7%	7%	7%	7%	8%	25%
							grade 7 events	69545	71067	76403	74922	74043	59837
								46%	46%	48%	47%	46%	31%

## 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	312.2354231689662	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-42.27677684878066	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	31.6854708837997	[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)	364396517.730386	364396516.70536			
Observation start date	2009-07-19T13:15:18	2009-07-19T13:15:16			
[s] Observation end time (MET)	364406466.380884	364406465.35586			
Observation end date	2009-07-19T16:01:06	2009-07-19T16:01:05			
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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.274257348299

### **A.2 Comments**