

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58080 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : May 7 2012

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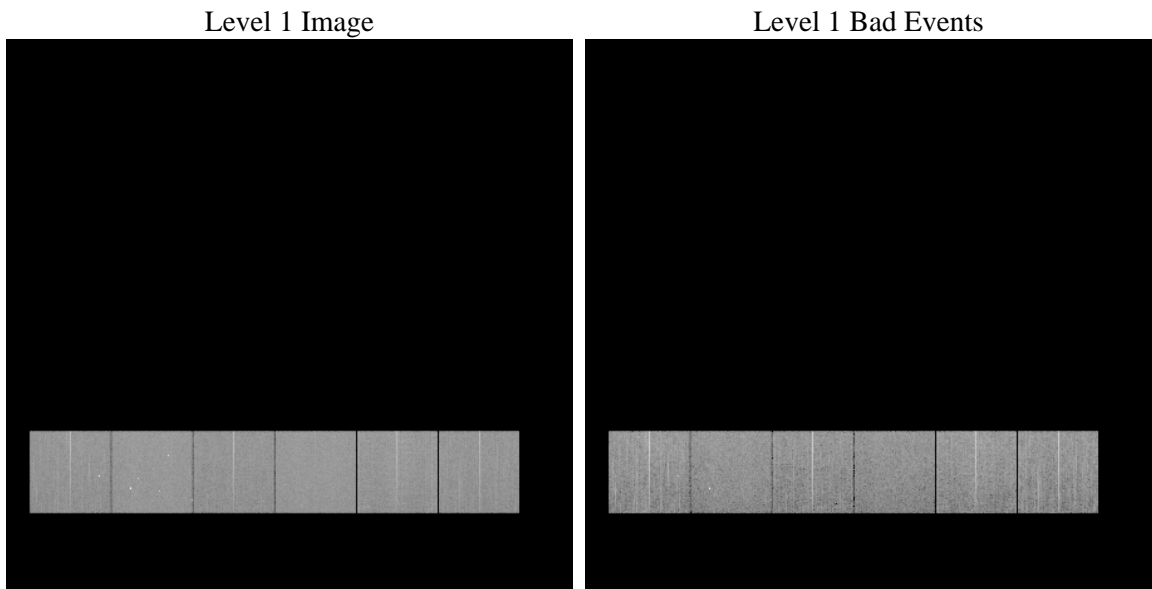
# 1 Front

seq_num	&#160	Sequence number
obs_id	58080	Observation id
title	ACIS-456789 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	110.49554032272	Nominal RA [deg]
dec_nom	24.458022592865	Nominal Dec [deg]
roll_nom	86.621927545297	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8102.3999698758	Sum of GTIs [s]
livetime	7999.8025027777	Livetime [s]
ontime4	8102.3999698758	Sum of GTIs [s]
ontime5	8102.3999698758	Sum of GTIs [s]
ontime6	8102.3999698758	Sum of GTIs [s]
ontime7	8102.3999698758	Sum of GTIs [s]
ontime8	8102.3999698758	Sum of GTIs [s]
ontime9	8102.3999698758	Sum of GTIs [s]
l2events	667517	Number of level 2 events

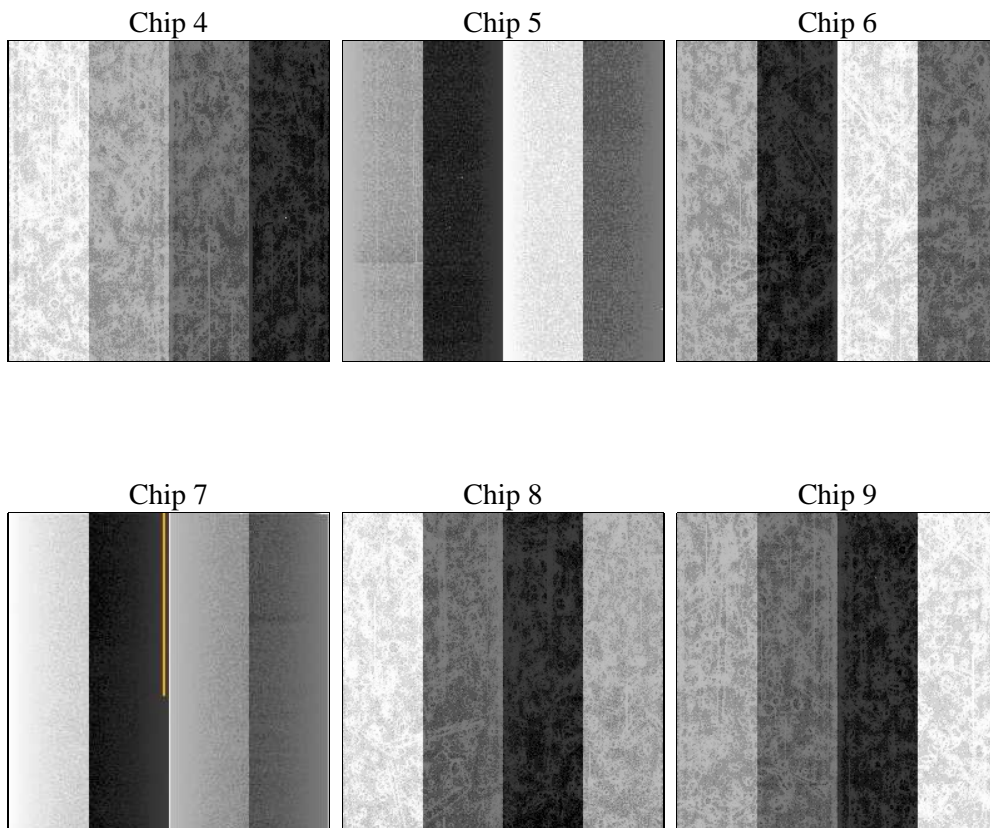
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	900	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8102.3999698758	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8102.3999698758	Sum of GTIs [s]
date	2012-05-07T02:45:29	Date and time of file creation	ontime5	8102.3999698758	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	8102.3999698758	Sum of GTIs [s]
			ontime7	8102.3999698758	Sum of GTIs [s]
			ontime8	8102.3999698758	Sum of GTIs [s]
			ontime9	8102.3999698758	Sum of GTIs [s]
			l1events	1192076	Number of level 1 events

### 2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	190330	212871	185296	209595	205708	188276	grade 0 events	61751	23946	59814	29639	63767	58428
rejected events	85594	75219	75479	68554	83754	81933		32%	11%	32%	14%	30%	31%
rejected %	44%	35%	40%	32%	40%	43%	grade 1 events	668	276	365	150	442	479
								0%	0%	0%	0%	0%	0%
							grade 2 events	17024	50901	19818	30999	22903	18892
								8%	23%	10%	14%	11%	10%
							grade 3 events	7168	6873	7167	13703	8875	7181
								3%	3%	3%	6%	4%	3%
							grade 4 events	7252	6570	7202	13938	8832	7229
								3%	3%	3%	6%	4%	3%
							grade 5 events	4304	10141	4401	11038	5613	4832
								2%	4%	2%	5%	2%	2%
							grade 6 events	13831	52345	18189	55770	20137	16878
								7%	24%	9%	26%	9%	8%
							grade 7 events	78332	61819	68340	54358	75139	74357
								41%	29%	36%	25%	36%	39%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	110.4955400855062	110.4955403227168
[deg] Pointing Dec	24.45802215138424	24.45802259286496
[deg] Pointing Roll	86.62192751110489	86.6219275452974
[mm] SIM focus pos	-0.68282252473119	-0.68282252473119
[mm] SIM defocus	0.8505140384245534	0.8505140384245534
[mm] SIM translation stage pos	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	313724818.927921	313724818.927921
Observation start date	2007-12-11T01:54:00	2007-12-11T01:46:58
[s] Observation end time (MET)	313733254.921729	313733254.921729
Observation end date	2007-12-11T02:09:00	2007-12-11T04:07:34
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	3.2	3.2

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1023999698758

### **A.2 Comments**