

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 56329 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 24 2012

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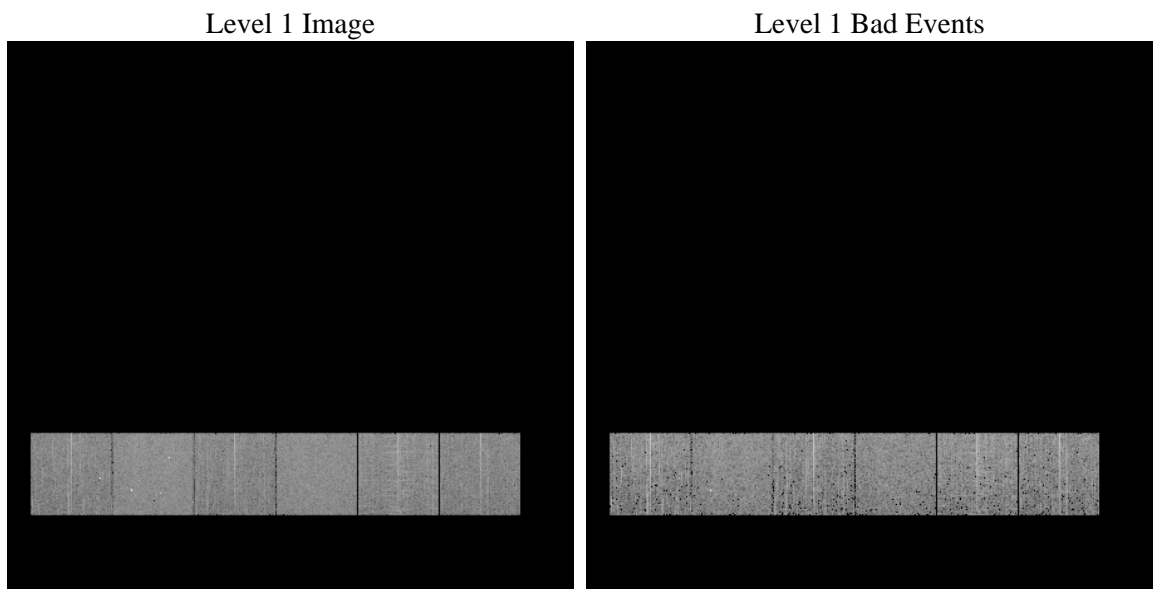
# 1 Front

seq_num	&#160	Sequence number
obs_id	56329	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	180.42096257816	Nominal RA [deg]
dec_nom	-13.425001519263	Nominal Dec [deg]
roll_nom	273.63451185854	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3118.6736343503	Sum of GTIs [s]
livetime	3079.1831109523	Livetime [s]
ontime4	3118.5505143404	Sum of GTIs [s]
ontime5	3118.632594347	Sum of GTIs [s]
ontime6	3118.5915543437	Sum of GTIs [s]
ontime7	3118.6736343503	Sum of GTIs [s]
ontime8	3118.5094743371	Sum of GTIs [s]
ontime9	3118.7146743536	Sum of GTIs [s]
l2events	163040	Number of level 2 events

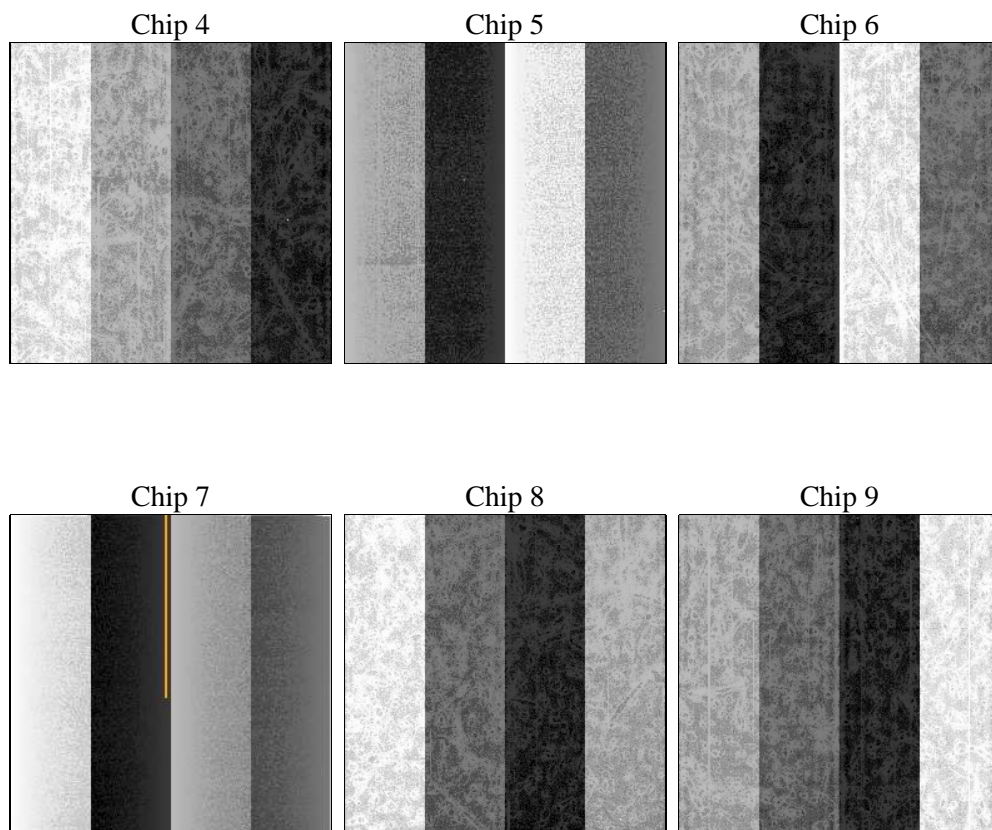
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3118.6736343503	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime4	3118.5505143404	Sum of GTIs [s]
date	2012-06-24T11:01:45	Date and time of file creation	ontime5	3118.632594347	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3118.5915543437	Sum of GTIs [s]
			ontime7	3118.6736343503	Sum of GTIs [s]
			ontime8	3118.5094743371	Sum of GTIs [s]
			ontime9	3118.7146743536	Sum of GTIs [s]
			l1events	358990	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	54902	69011	53949	64863	63352	52913	grade 0 events	14669	6509	13709	7041	15273	13667
rejected events	30562	30032	29028	27670	33198	28475		26%	9%	25%	10%	24%	25%
rejected %	55%	43%	53%	42%	52%	53%	grade 1 events	139	77	88	47	94	105
								0%	0%	0%	0%	0%	0%
							grade 2 events	4057	14270	4724	8553	5951	4448
								7%	20%	8%	13%	9%	8%
							grade 3 events	1724	1749	1723	3569	2471	1788
								3%	2%	3%	5%	3%	3%
							grade 4 events	1767	1740	1656	3569	2329	1835
								3%	2%	3%	5%	3%	3%
							grade 5 events	1628	3718	1645	4225	2168	1740
								2%	5%	3%	6%	3%	3%
							grade 6 events	3349	16693	4435	16339	5623	4008
								6%	24%	8%	25%	8%	7%
							grade 7 events	27569	24255	25969	21520	29443	25322
								50%	35%	48%	33%	46%	47%

## 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	0	180.4209625781558
[deg] Pointing Dec	0	-13.42500151926301
[deg] Pointing Roll	0.0	273.6345118585354
[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)	387934914.117884	387934914.117884
Observation start date	2010-04-17T23:41:54	2010-04-17T23:41:54
[s] Observation end time (MET)	387939460.894146	387939460.894146
Observation end date	2010-04-18T00:57:41	2010-04-18T00:57:40
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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1186736343503

### A.2 Comments