

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 57515 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : May 23 2012

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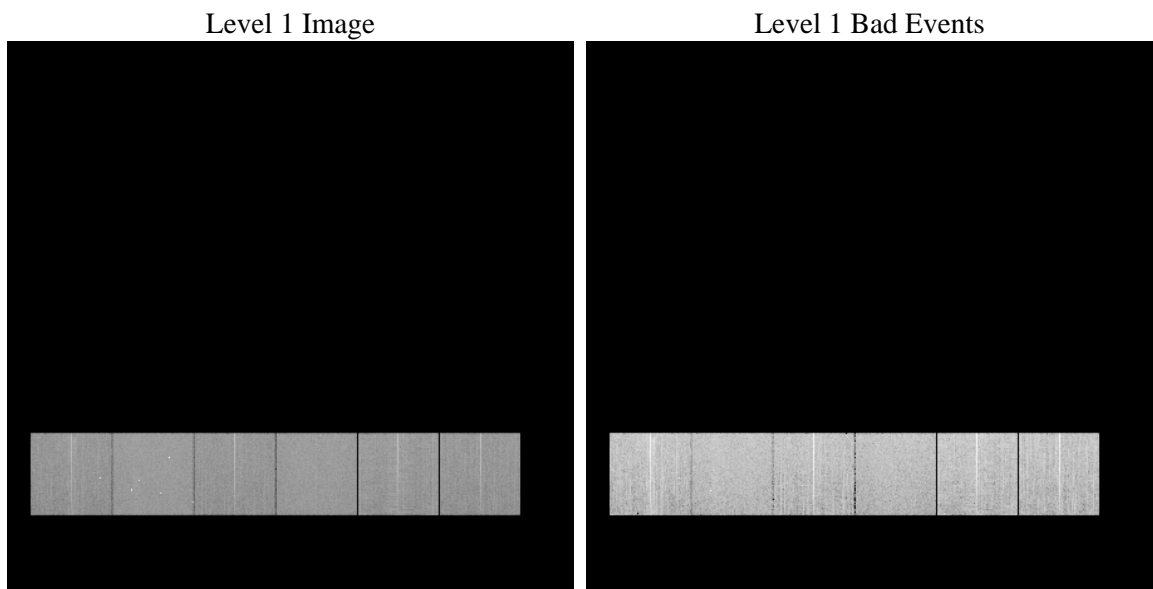
# 1 Front

seq_num	&#160	Sequence number
obs_id	57515	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	69.971815793537	Nominal RA [deg]
dec_nom	30.012414167423	Nominal Dec [deg]
roll_nom	114.9441092817	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7910.3999705911	Sum of GTIs [s]
livetime	7810.2337230924	Livetime [s]
ontime4	7910.3999705911	Sum of GTIs [s]
ontime5	7910.3999705911	Sum of GTIs [s]
ontime6	7910.3999705911	Sum of GTIs [s]
ontime7	7910.3999705911	Sum of GTIs [s]
ontime8	7910.3999705911	Sum of GTIs [s]
ontime9	7910.3999705911	Sum of GTIs [s]
l2events	549778	Number of level 2 events

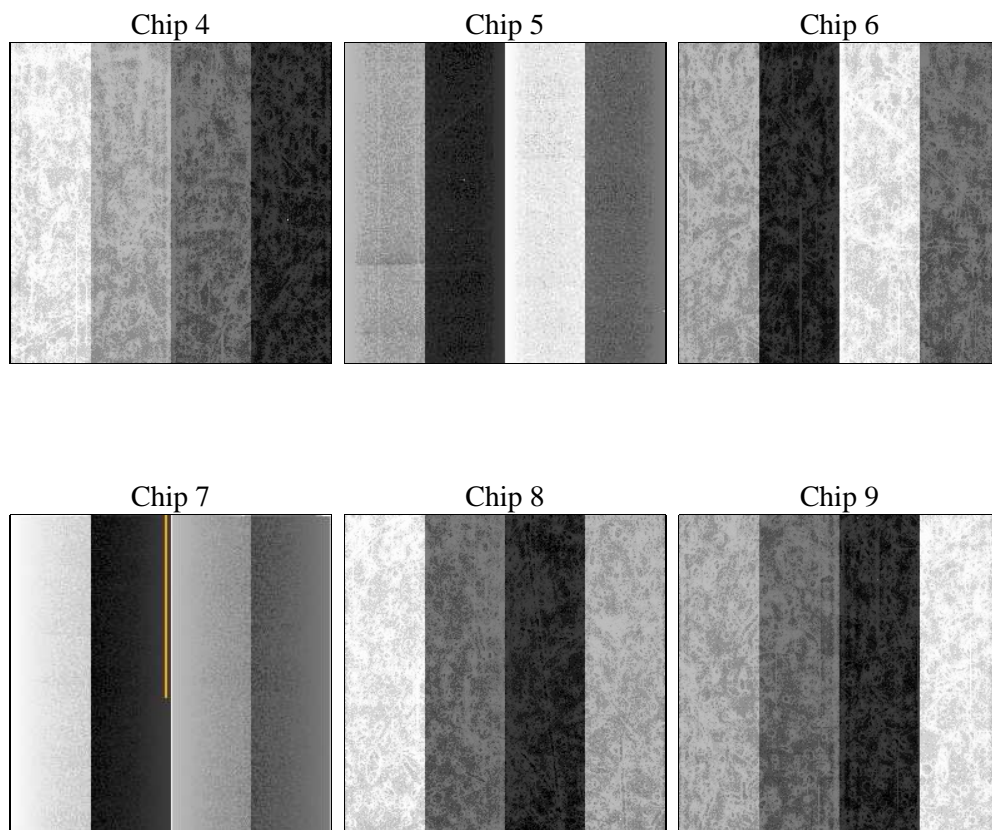
## 2 OBI

### 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	8.4.4	Processing system revision	ontime	7910.3999705911	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7910.3999705911	Sum of GTIs [s]
date	2012-05-24T02:32:17	Date and time of file creation	ontime5	7910.3999705911	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7910.3999705911	Sum of GTIs [s]
			ontime7	7910.3999705911	Sum of GTIs [s]
			ontime8	7910.3999705911	Sum of GTIs [s]
			ontime9	7910.3999705911	Sum of GTIs [s]
			l1events	1058430	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	163927	193128	164086	186994	185829	164466	grade 0 events	47975	21293	46979	23497	51086	46547
rejected events	81281	71959	75736	67489	83559	79007		29%	11%	28%	12%	27%	28%
rejected %	49%	37%	46%	36%	44%	48%	grade 1 events	485	249	333	144	326	338
								0%	0%	0%	0%	0%	0%
							grade 2 events	13296	42791	16101	26115	19445	15098
								8%	22%	9%	13%	10%	9%
							grade 3 events	5687	6090	5900	11385	7284	5774
								3%	3%	3%	6%	3%	3%
							grade 4 events	5803	5796	5755	11303	7297	5712
								3%	3%	3%	6%	3%	3%
							grade 5 events	4124	9643	4305	10691	5549	4822
								2%	4%	2%	5%	2%	2%
							grade 6 events	10968	46757	14774	48719	18464	13427
								6%	24%	9%	26%	9%	8%
							grade 7 events	75589	60509	69939	55140	76378	72748
								46%	31%	42%	29%	41%	44%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	69.97181579353671	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	30.01241416742262	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	114.9441092816965	[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)	342737532.754439	342737531.72943			
Observation start date	2008-11-10T20:52:13	2008-11-10T20:52:11			
[s] Observation end time (MET)	342749086.555009	342749085.53			
Observation end date	2008-11-11T00:04:47	2008-11-11T00:04:45			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9103999705911

### A.2 Comments