

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 58512 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Apr 20 2012

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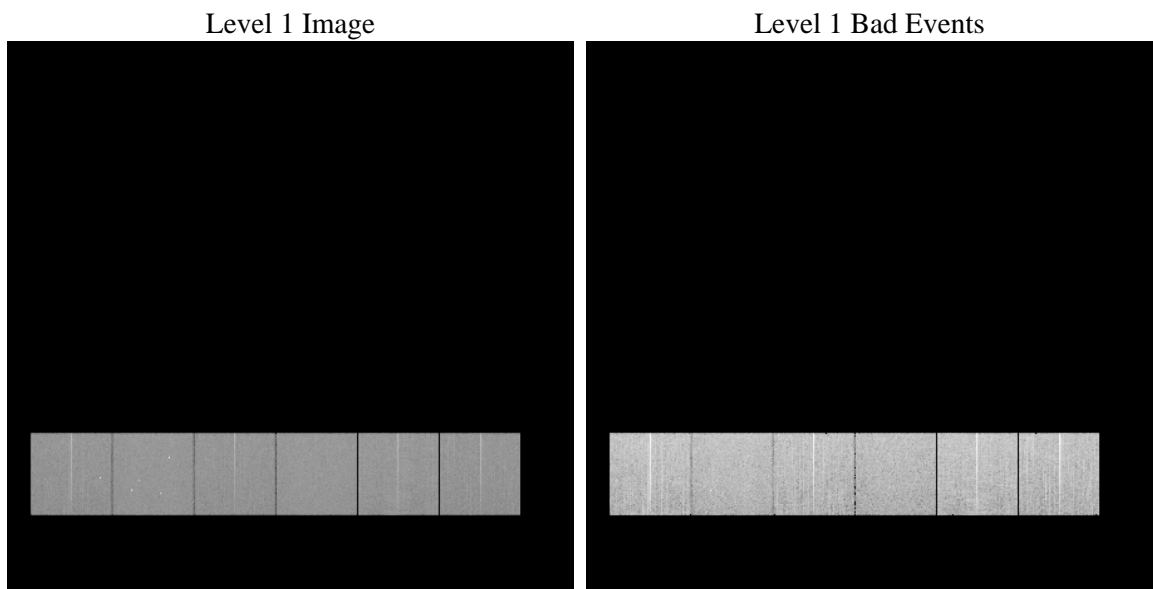
# 1 Front

seq_num	&#160	Sequence number
obs_id	58512	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	151.03007333017	Nominal RA [deg]
dec_nom	-18.996047972852	Nominal Dec [deg]
roll_nom	334.93688814189	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7724.7999712825	Sum of GTIs [s]
livetime	7626.98390273	Livetime [s]
ontime4	7724.7999712825	Sum of GTIs [s]
ontime5	7724.7999712825	Sum of GTIs [s]
ontime6	7724.7999712825	Sum of GTIs [s]
ontime7	7724.7999712825	Sum of GTIs [s]
ontime8	7724.7999712825	Sum of GTIs [s]
ontime9	7724.7999712825	Sum of GTIs [s]
l2events	781082	Number of level 2 events

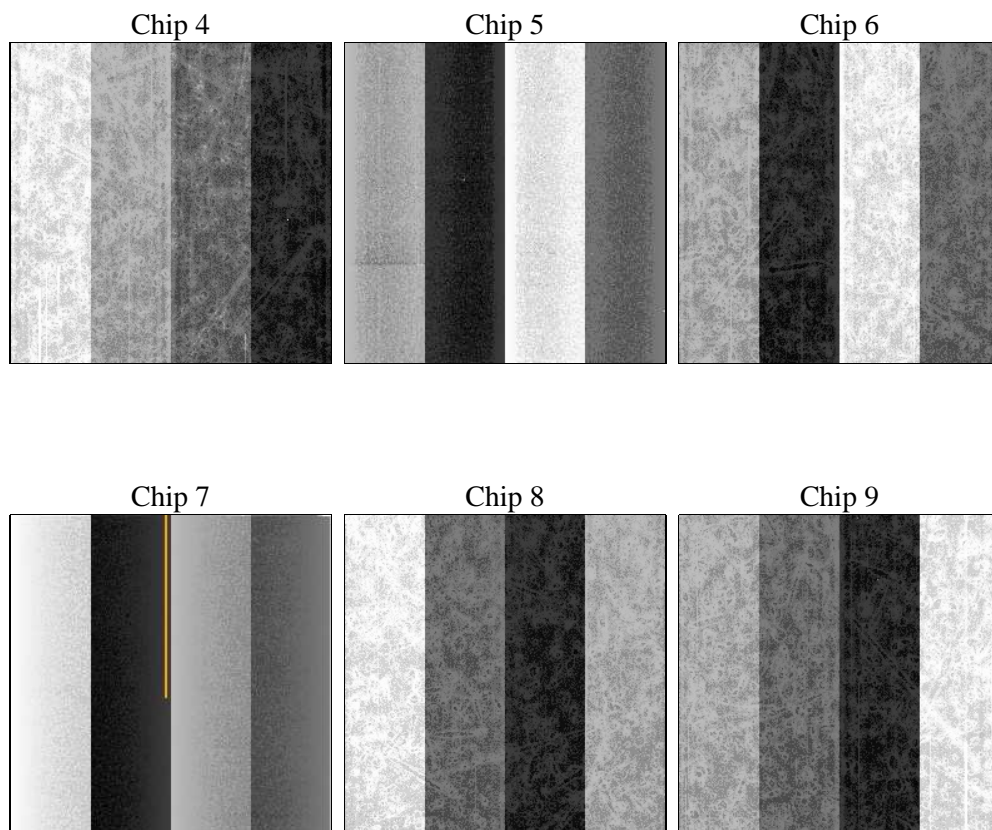
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6420	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7724.7999712825	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	7724.7999712825	Sum of GTIs [s]
date	2012-04-21T01:19:24	Date and time of file creation	ontime5	7724.7999712825	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	7724.7999712825	Sum of GTIs [s]
			ontime7	7724.7999712825	Sum of GTIs [s]
			ontime8	7724.7999712825	Sum of GTIs [s]
			ontime9	7724.7999712825	Sum of GTIs [s]
			l1events	1267859	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	204545	216376	203826	217852	221649	203611	grade 0 events	73987	28629	71602	34845	75734	70503
rejected events	78418	66140	70465	59826	77900	74297		36%	13%	35%	15%	34%	34%
rejected %	38%	30%	34%	27%	35%	36%	grade 1 events	693	357	367	159	493	496
								0%	0%	0%	0%	0%	0%
							grade 2 events	19422	54857	23752	35192	26099	22282
								9%	25%	11%	16%	11%	10%
							grade 3 events	8669	7691	8259	15172	9783	8551
								4%	3%	4%	6%	4%	4%
							grade 4 events	8485	7472	8540	14963	9656	8403
								4%	3%	4%	6%	4%	4%
							grade 5 events	3984	9131	4058	9906	5184	4566
								1%	4%	1%	4%	2%	2%
							grade 6 events	16756	53003	22456	59286	23740	20769
								8%	24%	11%	27%	10%	10%
							grade 7 events	72549	55236	64792	48329	70960	68041
								35%	25%	31%	22%	32%	33%

## 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	151.0299415648332	151.0300733301741
[deg] Pointing Dec	-18.99605120138657	-18.99604797285217
[deg] Pointing Roll	334.9368452226213	334.936888141891
[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)	289224753.203144	289224753.203144
Observation start date	2007-03-02T12:33:00	2007-03-02T12:12:33
[s] Observation end time (MET)	289234270.127497	289234270.127497
Observation end date	2007-03-02T14:20:00	2007-03-02T14:51:10
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7247999712825

### A.2 Comments