

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60843 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 23 2012

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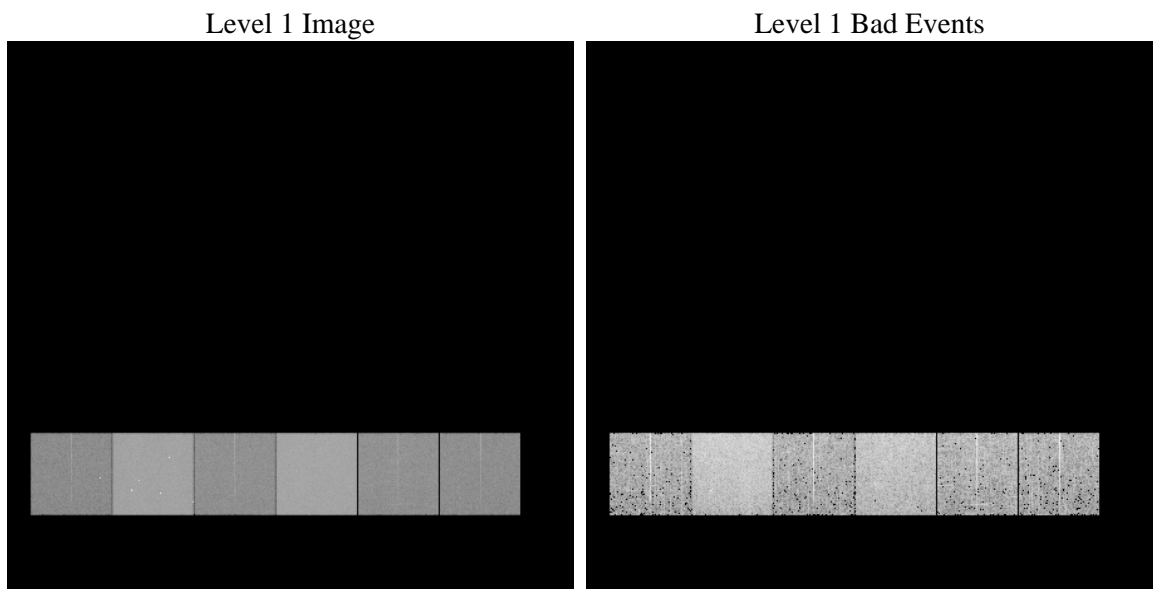
# 1 Front

seq_num	&#160	Sequence number
obs_id	60843	Observation id
title	ACIS-456789 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	321.42548147783	Nominal RA [deg]
dec_nom	38.620484092941	Nominal Dec [deg]
roll_nom	12.989884649868	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7791.7272484303	Sum of GTIs [s]
livetime	7693.0637063957	Livetime [s]
ontime4	3195.9029474258	Sum of GTIs [s]
ontime5	7791.686208427	Sum of GTIs [s]
ontime6	3578.3841059208	Sum of GTIs [s]
ontime7	7791.7272484303	Sum of GTIs [s]
ontime8	3600.9884482324	Sum of GTIs [s]
ontime9	3409.5654708743	Sum of GTIs [s]
l2events	1178799	Number of level 2 events

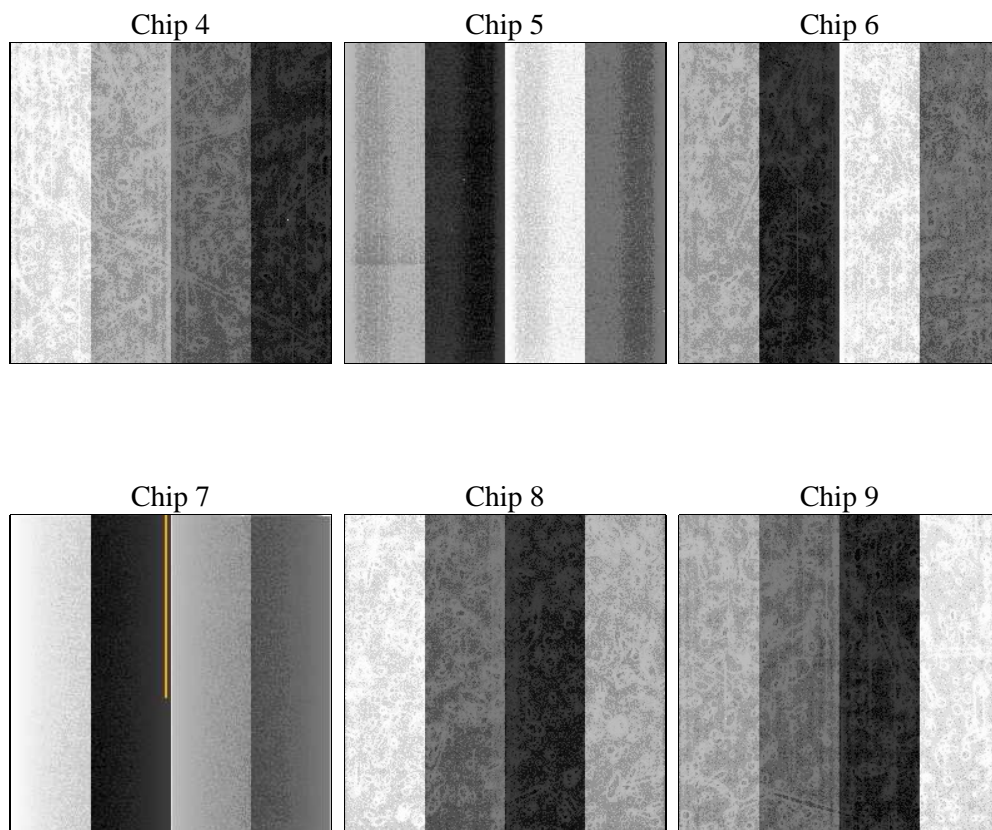
## 2 OBI

### 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	7791.7272484303	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime4	3195.9029474258	Sum of GTIs [s]
date	2012-10-23T07:13:13	Date and time of file creation	ontime5	7791.686208427	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3578.3841059208	Sum of GTIs [s]
			ontime7	7791.7272484303	Sum of GTIs [s]
			ontime8	3600.9884482324	Sum of GTIs [s]
			ontime9	3409.5654708743	Sum of GTIs [s]
			l1events	1423954	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	153602	355873	180909	381264	186002	166304	grade 0 events	75838	78606	86069	85695	87671	78676
rejected events	23393	48355	23602	40100	26567	23295		49%	22%	47%	22%	47%	47%
rejected %	15%	13%	13%	10%	14%	14%	grade 1 events	475	299	414	228	429	441
								0%	0%	0%	0%	0%	0%
							grade 2 events	20666	106177	27327	75670	28007	24488
								13%	29%	15%	19%	15%	14%
							grade 3 events	8801	20021	9751	34657	10216	9129
								5%	5%	5%	9%	5%	5%
							grade 4 events	8641	19694	9629	34590	10232	9072
								5%	5%	5%	9%	5%	5%
							grade 5 events	1487	8618	1736	7682	1905	1765
								0%	2%	0%	2%	1%	1%
							grade 6 events	16381	83147	24663	110690	23449	21644
								10%	23%	13%	29%	12%	13%
							grade 7 events	21313	39311	21320	32052	24093	21089
								13%	11%	11%	8%	12%	12%

## 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	321.4254814778345
[deg] Pointing Dec	0	38.62048409294099
[deg] Pointing Roll	0.0	12.98988464986767
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	161970062.66816	161970061.64345
Observation start date	2003-02-18T15:41:03	2003-02-18T15:41:01
[s] Observation end time (MET)	161981493.468641	161981492.44393
Observation end date	2003-02-18T18:51:33	2003-02-18T18:51:32
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	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)	2012.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7917272484303

### A.2 Comments