

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60865 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 22 2012

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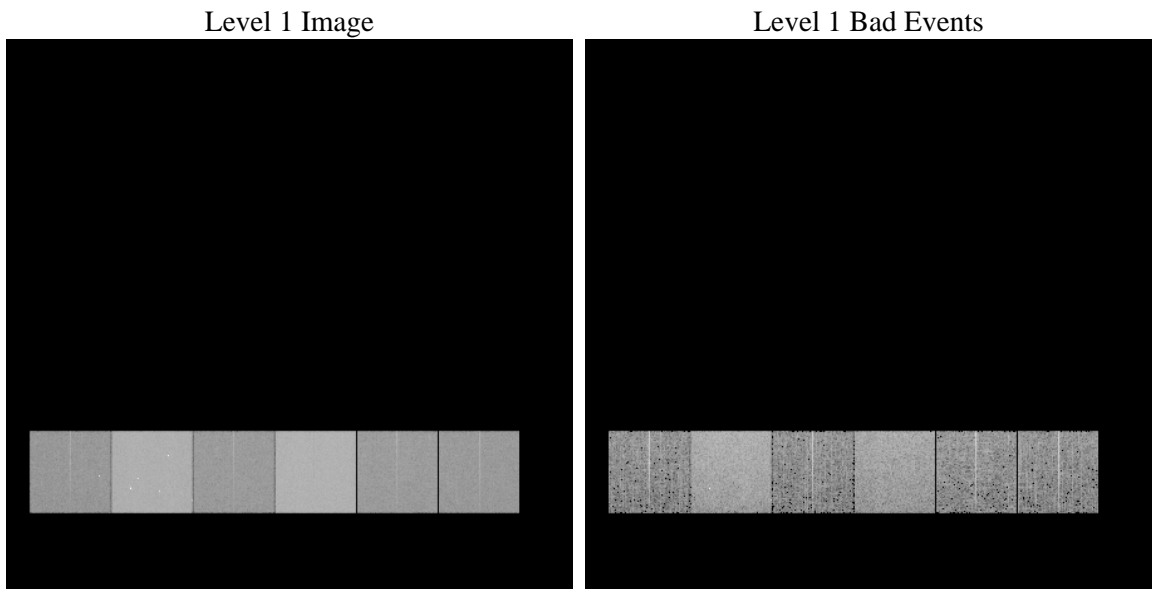
# 1 Front

seq_num	&#160	Sequence number
obs_id	60865	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	224.9923439445	Nominal RA [deg]
dec_nom	4.0275515878241	Nominal Dec [deg]
roll_nom	72.632059244955	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8411.3756858706	Sum of GTIs [s]
livetime	8304.8657822138	Livetime [s]
ontime4	3400.7014276981	Sum of GTIs [s]
ontime5	8411.3346458673	Sum of GTIs [s]
ontime6	3640.5773243308	Sum of GTIs [s]
ontime7	8411.3756858706	Sum of GTIs [s]
ontime8	3695.5929239988	Sum of GTIs [s]
ontime9	3598.5676118135	Sum of GTIs [s]
l2events	1264363	Number of level 2 events

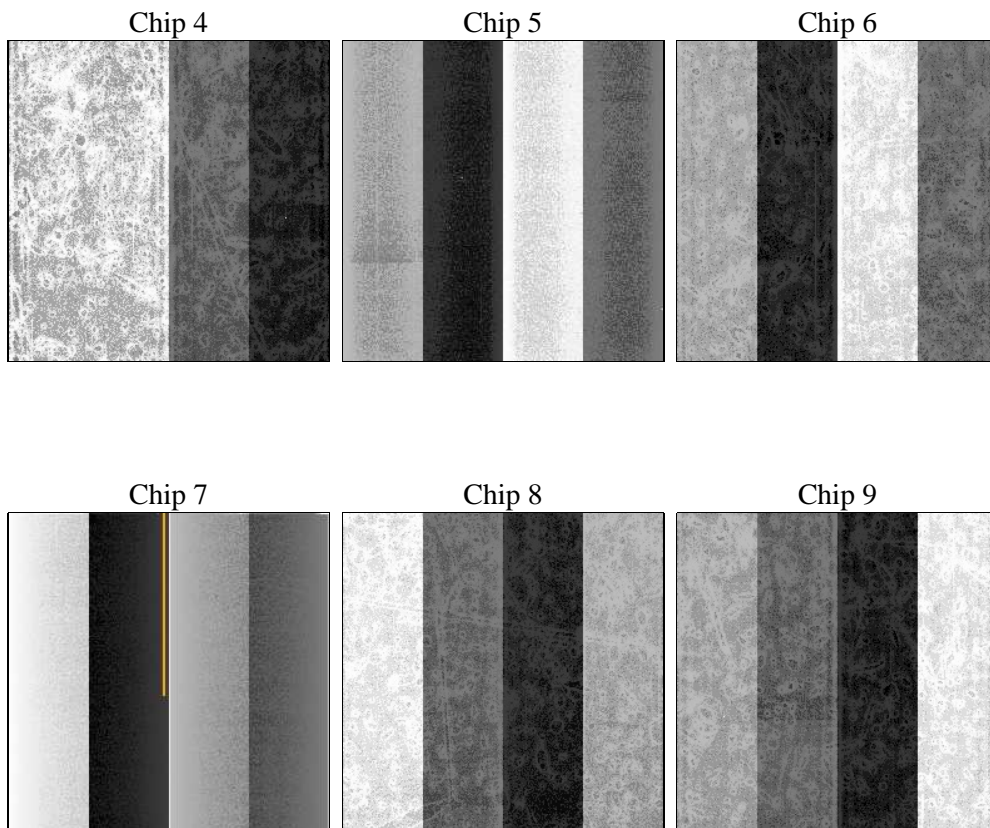
## 2 OBI

### 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	8411.3756858706	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime4	3400.7014276981	Sum of GTIs [s]
date	2012-10-22T04:58:30	Date and time of file creation	ontime5	8411.3346458673	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	3640.5773243308	Sum of GTIs [s]
			ontime7	8411.3756858706	Sum of GTIs [s]
			ontime8	3695.5929239988	Sum of GTIs [s]
			ontime9	3598.5676118135	Sum of GTIs [s]
			l1events	1535319	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	166694	387608	187040	420116	194005	179856	grade 0 events	82041	78009	88033	93825	90771	84647
rejected events	26086	56201	25906	45179	28834	26941		49%	20%	47%	22%	46%	47%
rejected %	15%	14%	13%	10%	14%	14%	grade 1 events	581	275	446	265	490	440
								0%	0%	0%	0%	0%	0%
							grade 2 events	22528	120027	27823	82362	28493	26335
								13%	30%	14%	19%	14%	14%
							grade 3 events	9188	20193	10069	37720	10741	9788
								5%	5%	5%	8%	5%	5%
							grade 4 events	9223	20235	10073	37744	10660	9727
								5%	5%	5%	8%	5%	5%
							grade 5 events	1655	9926	1852	8847	2151	2002
								0%	2%	0%	2%	1%	1%
							grade 6 events	17774	93053	25259	123446	24671	22573
								10%	24%	13%	29%	12%	12%
							grade 7 events	23704	45890	23485	35907	26028	24344
								14%	11%	12%	8%	13%	13%

## 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	224.9923439445014
[deg] Pointing Dec	0	4.027551587824089
[deg] Pointing Roll	0.0	72.6320592449548
[mm] SIM focus pos	-0.684267	-1.038866356238299
[mm] SIM defocus	0	0.4944702831659975
[mm] SIM translation stage pos	-190.132523	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	160409534.952634	160409533.92792
Observation start date	2003-01-31T14:12:15	2003-01-31T14:12:13
[s] Observation end time (MET)	160432845.503613	160432844.4789
Observation end date	2003-01-31T20:40:46	2003-01-31T20:40:44
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	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)	2012.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.4113756858706

### A.2 Comments