

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61703 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 14 2012

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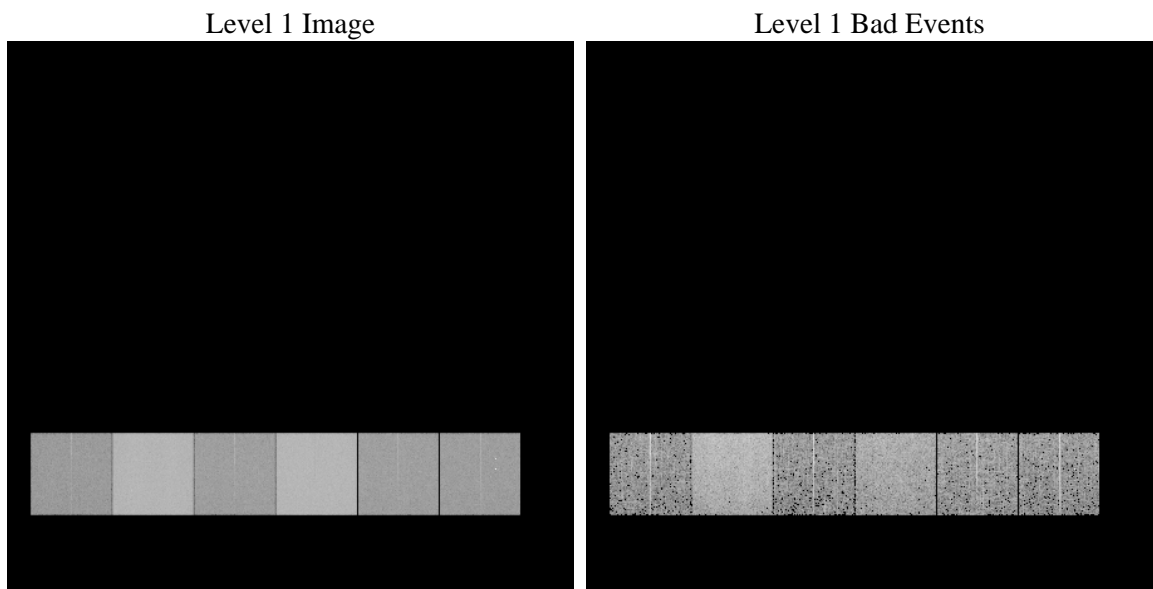
# 1 Front

seq_num	&#160	Sequence number
obs_id	61703	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	135.0232130244	Nominal RA [deg]
dec_nom	-14.017764376281	Nominal Dec [deg]
roll_nom	289.08602945803	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5554.1950623691	Sum of GTIs [s]
livetime	5483.8645001546	Livetime [s]
ontime4	2125.3335434943	Sum of GTIs [s]
ontime5	6017.3978751153	Sum of GTIs [s]
ontime6	2342.1049912423	Sum of GTIs [s]
ontime7	5554.1950623691	Sum of GTIs [s]
ontime8	2329.5599036366	Sum of GTIs [s]
ontime9	2300.185403496	Sum of GTIs [s]
l2events	1321566	Number of level 2 events

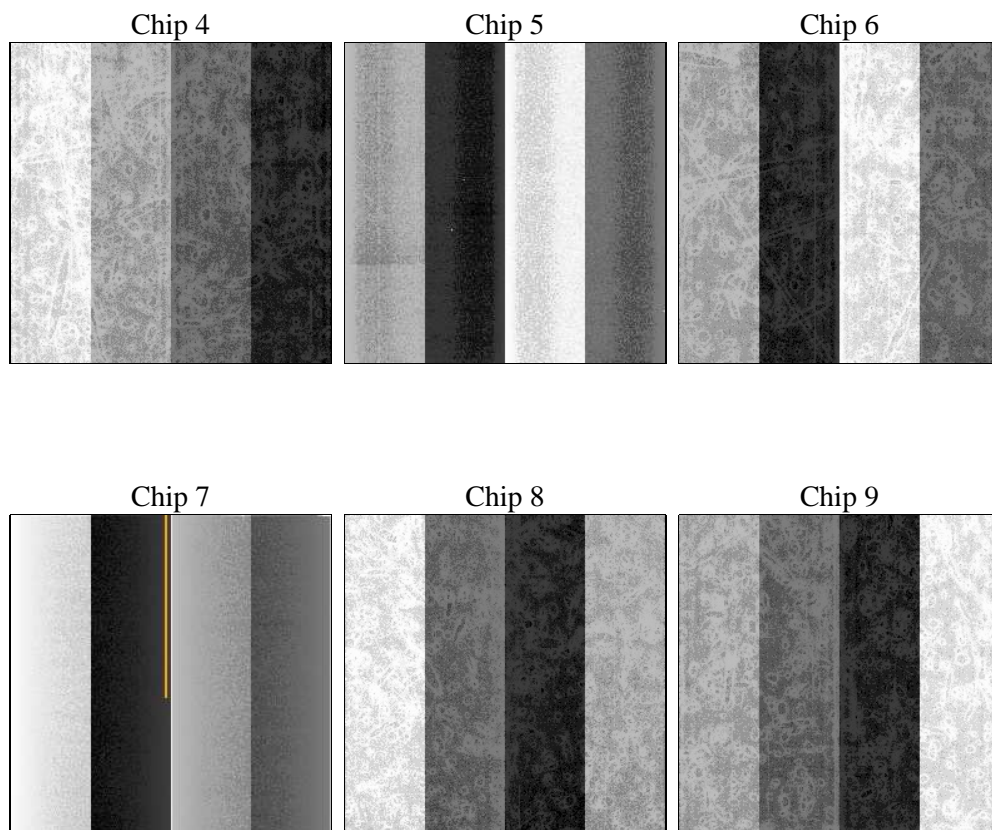
## 2 OBI

### 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	5554.1950623691	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	2125.3335434943	Sum of GTIs [s]
date	2012-09-14T07:59:56	Date and time of file creation	ontime5	6017.3978751153	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2342.1049912423	Sum of GTIs [s]
			ontime7	5554.1950623691	Sum of GTIs [s]
			ontime8	2329.5599036366	Sum of GTIs [s]
			ontime9	2300.185403496	Sum of GTIs [s]
			l1events	1535324	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	158437	407497	185894	419191	186492	177813	grade 0 events	78676	85979	91240	99212	90680	86244
rejected events	19334	45721	19302	30274	22315	19701		49%	21%	49%	23%	48%	48%
rejected %	12%	11%	10%	7%	11%	11%	grade 1 events	441	259	491	268	482	462
								0%	0%	0%	0%	0%	0%
							grade 2 events	24571	130842	28613	85630	29112	29514
								15%	32%	15%	20%	15%	16%
							grade 3 events	8524	23204	10269	39638	10347	9578
								5%	5%	5%	9%	5%	5%
							grade 4 events	8460	22773	10292	39560	10374	9456
								5%	5%	5%	9%	5%	5%
							grade 5 events	1233	9045	1446	6422	1681	1698
								0%	2%	0%	1%	0%	0%
							grade 6 events	18872	98978	26178	124877	23664	23320
								11%	24%	14%	29%	12%	13%
							grade 7 events	17660	36417	17365	23584	20152	17541
								11%	8%	9%	5%	10%	9%

## 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	135.023213024403
[deg] Pointing Dec	0	-14.01776437628085
[deg] Pointing Roll	0.0	289.086029458031
[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)	101013369.40057	101013368.6321
Observation start date	2001-03-15T03:16:09	2001-03-15T03:16:08
[s] Observation end time (MET)	101023877.700976	101023876.93251
Observation end date	2001-03-15T06:11:18	2001-03-15T06:11:16
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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.5541950623691

### A.2 Comments