

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60686 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Oct 30 2012

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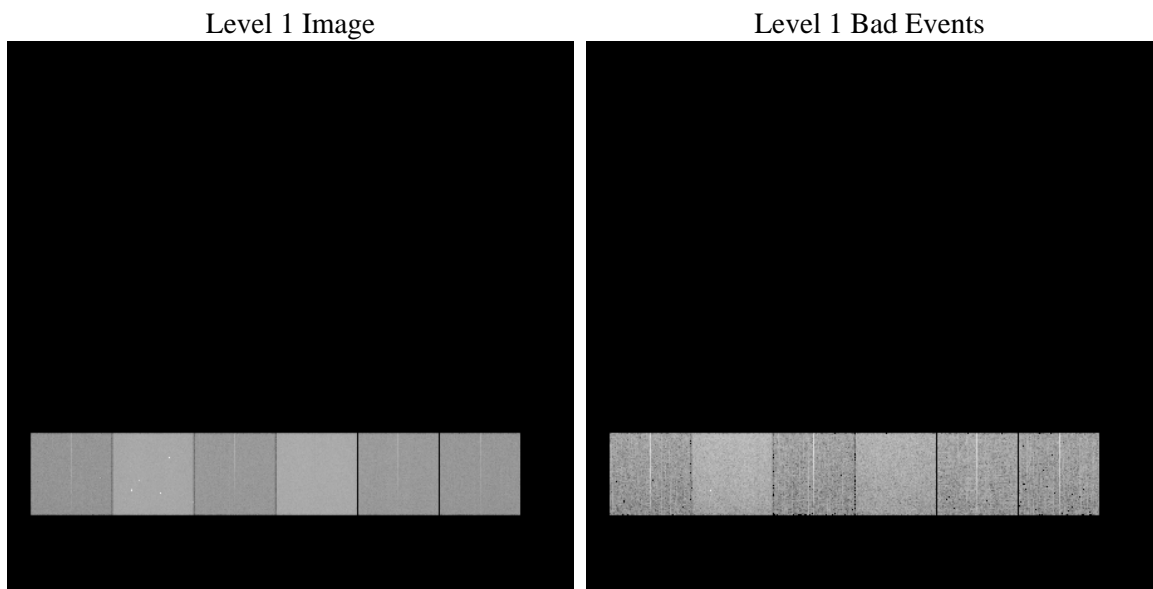
# 1 Front

seq_num	&#160	Sequence number
obs_id	60686	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	299.96549059152	Nominal RA [deg]
dec_nom	33.99960820473	Nominal Dec [deg]
roll_nom	147.94301845712	Nominal Roll [deg]
revision	3	Processing version of data
ontime	11638.399956644	Sum of GTIs [s]
livetime	11491.027528589	Livetime [s]
ontime4	5570.34429124	Sum of GTIs [s]
ontime5	11638.399956644	Sum of GTIs [s]
ontime6	6015.3013337255	Sum of GTIs [s]
ontime7	11638.399956644	Sum of GTIs [s]
ontime8	6229.2072044313	Sum of GTIs [s]
ontime9	5771.1226394773	Sum of GTIs [s]
l2events	1731418	Number of level 2 events

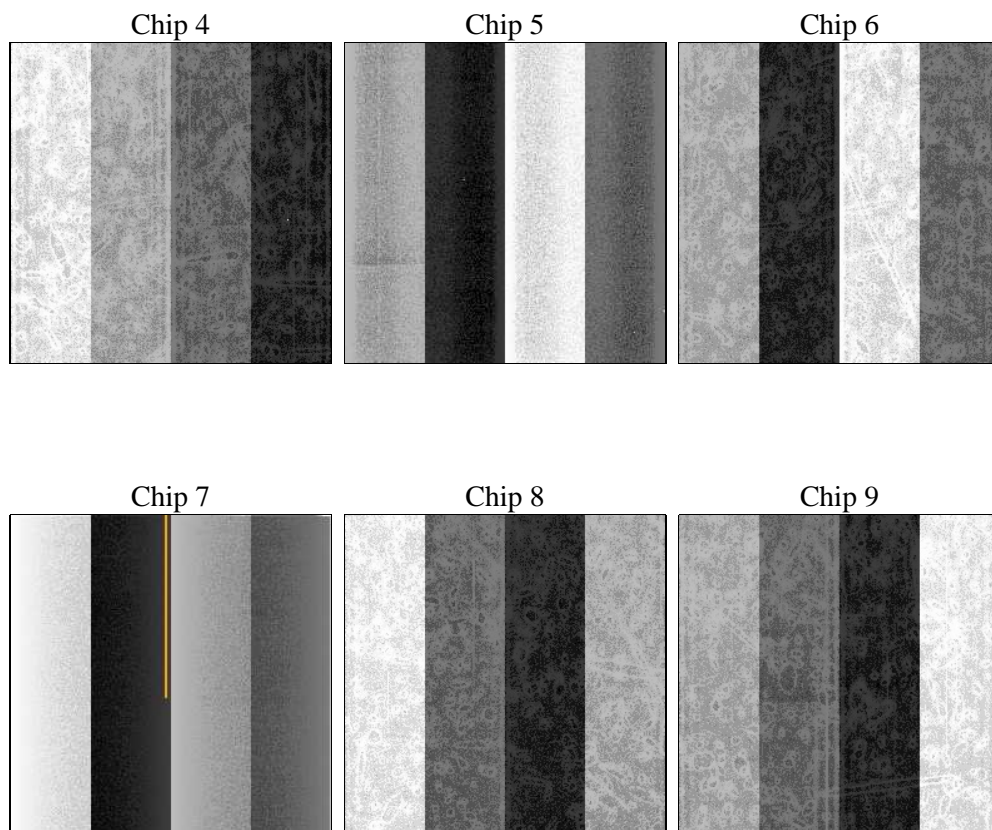
## 2 OBI

### 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	11638.399956644	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime4	5570.34429124	Sum of GTIs [s]
date	2012-10-29T20:28:24	Date and time of file creation	ontime5	11638.399956644	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	6015.3013337255	Sum of GTIs [s]
			ontime7	11638.399956644	Sum of GTIs [s]
			ontime8	6229.2072044313	Sum of GTIs [s]
			ontime9	5771.1226394773	Sum of GTIs [s]
			l1events	2106866	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	245564	491216	281753	528035	297803	262495	grade 0 events	121283	105533	132738	119050	139922	123973
rejected events	37645	69939	38296	56722	43981	38529		49%	21%	47%	22%	46%	47%
rejected %	15%	14%	13%	10%	14%	14%	grade 1 events	741	578	590	340	683	643
								0%	0%	0%	0%	0%	0%
							grade 2 events	33359	146566	42161	104474	44128	38738
								13%	29%	14%	19%	14%	14%
							grade 3 events	13714	27035	15142	47865	16392	14230
								5%	5%	5%	9%	5%	5%
							grade 4 events	13608	26340	14982	47221	16240	14154
								5%	5%	5%	8%	5%	5%
							grade 5 events	2525	12128	2723	10907	3360	2783
								1%	2%	0%	2%	1%	1%
							grade 6 events	25955	115909	38557	152838	37265	32871
								10%	23%	13%	28%	12%	12%
							grade 7 events	34379	57127	34860	45340	39813	35103
								14%	11%	12%	8%	13%	13%

## 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	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	299.9654905915158	Alternating exposures requested	N	N
[deg] Pointing Dec	0	33.99960820472967	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	147.9430184571183			
[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)	172475085.16207	172475084.13735			
Observation start date	2003-06-20T05:44:45	2003-06-20T05:44:44			
[s] Observation end time (MET)	172509724.013542	172509722.98882			
Observation end date	2003-06-20T15:22:04	2003-06-20T15:22:02			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## **A Summary**

### **A.1 Status**

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.638399956644

### **A.2 Comments**