

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61844 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 3 2012

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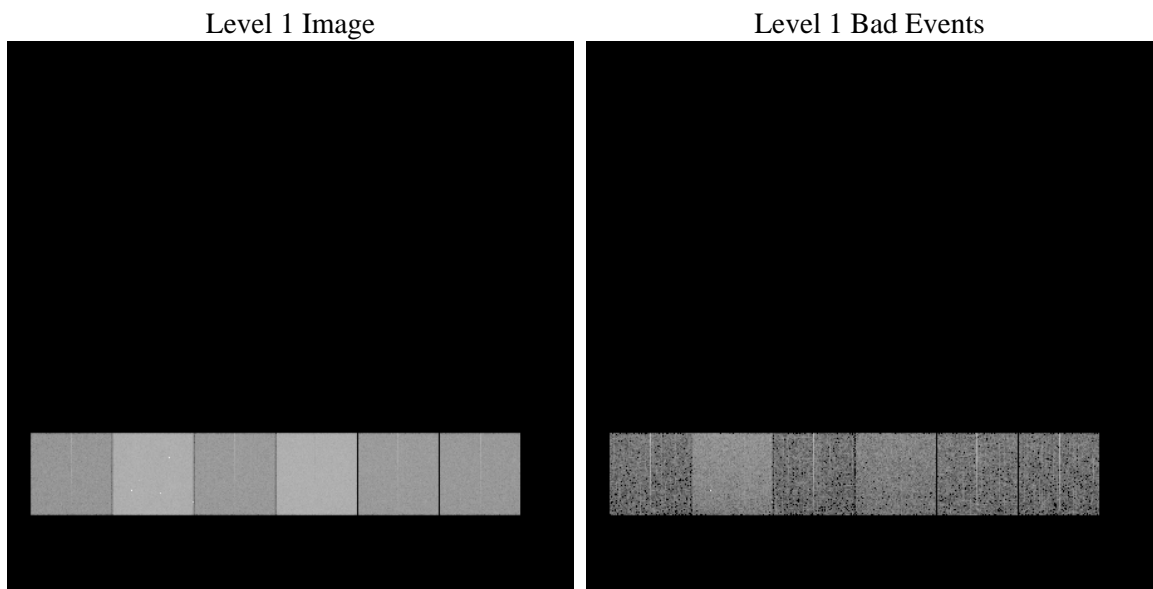
# 1 Front

seq_num	&#160	Sequence number
obs_id	61844	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	208.56153119486	Nominal RA [deg]
dec_nom	69.404680807911	Nominal Dec [deg]
roll_nom	26.858266367052	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5108.7836469114	Sum of GTIs [s]
livetime	5044.093152234	Livetime [s]
ontime4	2082.8362457752	Sum of GTIs [s]
ontime5	5458.8088887632	Sum of GTIs [s]
ontime6	2269.6593417227	Sum of GTIs [s]
ontime7	5108.7836469114	Sum of GTIs [s]
ontime8	2316.232085377	Sum of GTIs [s]
ontime9	2234.0081709921	Sum of GTIs [s]
l2events	1350577	Number of level 2 events

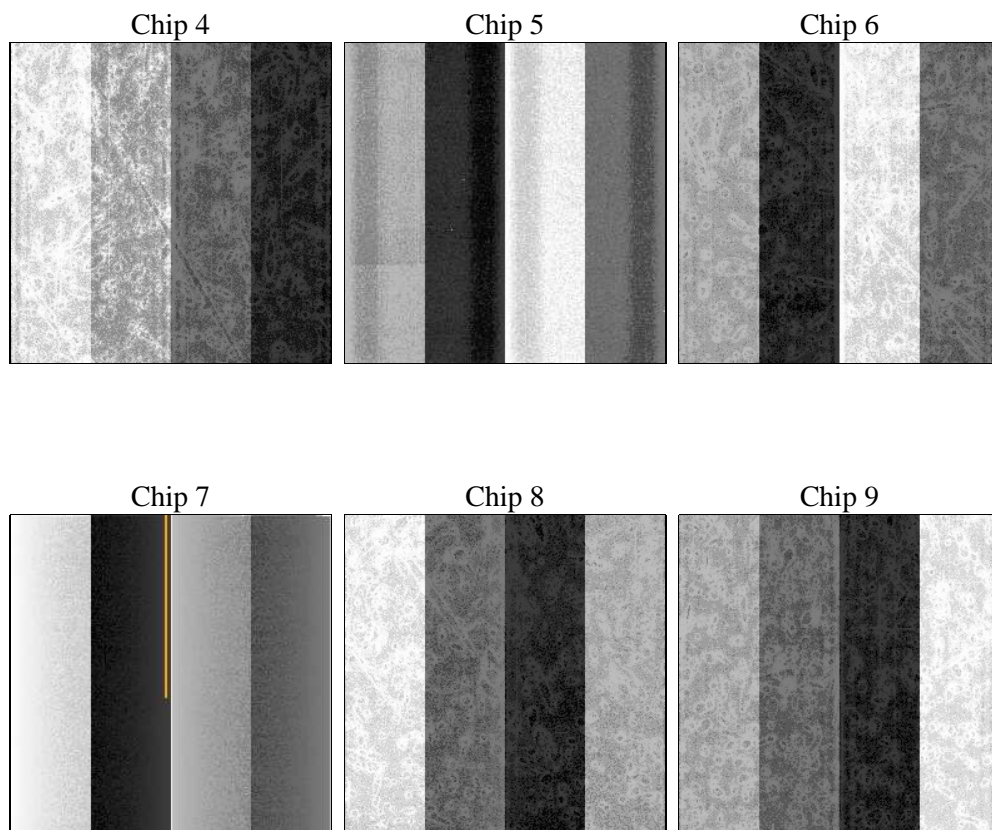
## 2 OBI

### 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	5108.7836469114	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	2082.8362457752	Sum of GTIs [s]
date	2012-09-03T21:06:00	Date and time of file creation	ontime5	5458.8088887632	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2269.6593417227	Sum of GTIs [s]
			ontime7	5108.7836469114	Sum of GTIs [s]
			ontime8	2316.232085377	Sum of GTIs [s]
			ontime9	2234.0081709921	Sum of GTIs [s]
			l1events	1554616	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	167052	400694	192644	412405	198321	183500	grade 0 events	84094	85324	95290	99200	98021	90674
rejected events	18824	42069	18154	26521	20639	18480		50%	21%	49%	24%	49%	49%
rejected %	11%	10%	9%	6%	10%	10%	grade 1 events	475	269	458	261	501	468
								0%	0%	0%	0%	0%	0%
							grade 2 events	26178	131828	30277	85134	31265	28801
								15%	32%	15%	20%	15%	15%
							grade 3 events	8968	22026	10770	39321	11151	10346
								5%	5%	5%	9%	5%	5%
							grade 4 events	8986	21890	10638	38652	11263	10247
								5%	5%	5%	9%	5%	5%
							grade 5 events	1287	8508	1499	5879	1679	1485
								0%	2%	0%	1%	0%	0%
							grade 6 events	20002	97557	27515	123577	25982	24952
								11%	24%	14%	29%	13%	13%
							grade 7 events	17062	33292	16197	20381	18459	16527
								10%	8%	8%	4%	9%	9%

## 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	208.56153119486	Alternating exposures requested	N	N
[deg] Pointing Dec	0	69.40468080791129	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	26.85826636705173			
[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)	91189342.623	91189341.85477699			
Observation start date	2000-11-21T10:22:23	2000-11-21T10:22:21			
[s] Observation end time (MET)	91199852.97400001	91199852.20517799			
Observation end date	2000-11-21T13:17:33	2000-11-21T13:17:32			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1087836469114

### A.2 Comments