

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61713 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 12 2012

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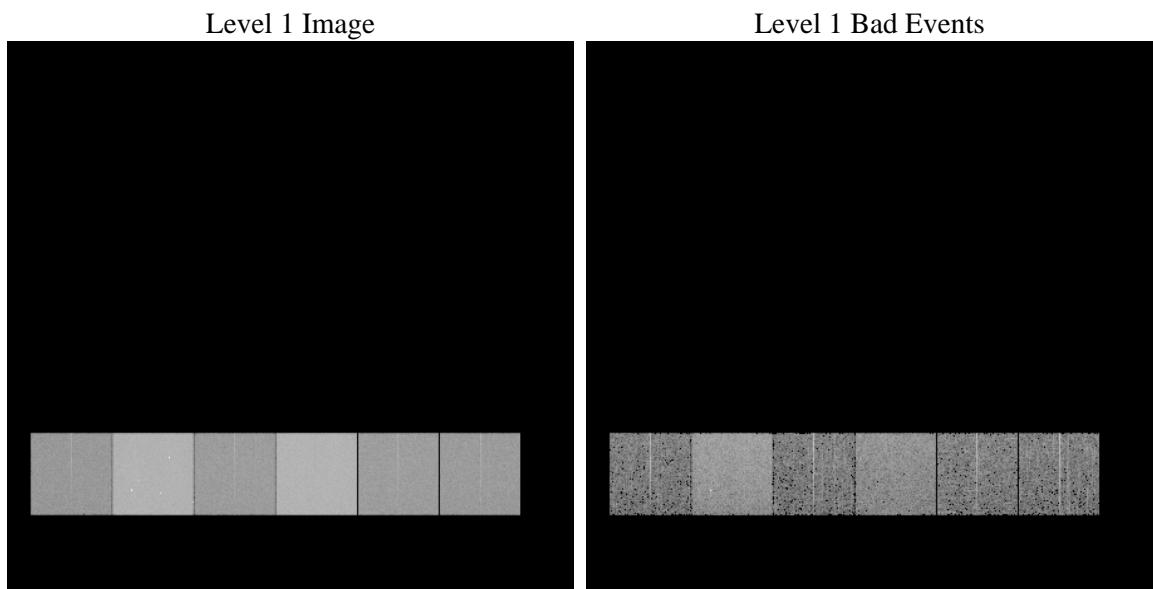
# 1 Front

seq_num	&#160	Sequence number
obs_id	61713	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	120.01134187636	Nominal RA [deg]
dec_nom	19.973377499116	Nominal Dec [deg]
roll_nom	259.10327123083	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5466.325564757	Sum of GTIs [s]
livetime	5397.1076590299	Livetime [s]
ontime4	2134.6952692866	Sum of GTIs [s]
ontime5	5845.5587244779	Sum of GTIs [s]
ontime6	2345.3216792196	Sum of GTIs [s]
ontime7	5466.325564757	Sum of GTIs [s]
ontime8	2403.7422000319	Sum of GTIs [s]
ontime9	2273.8957491666	Sum of GTIs [s]
l2events	1315670	Number of level 2 events

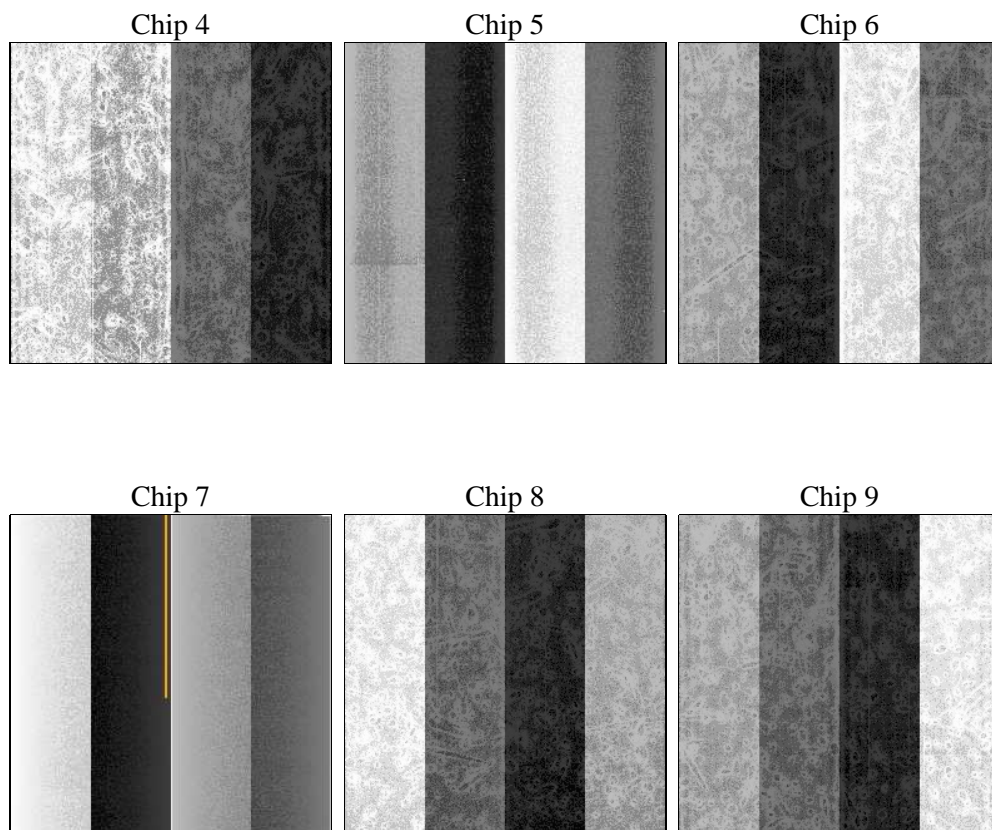
## 2 OBI

### 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	5466.325564757	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime4	2134.6952692866	Sum of GTIs [s]
date	2012-09-12T08:09:25	Date and time of file creation	ontime5	5845.5587244779	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2345.3216792196	Sum of GTIs [s]
			ontime7	5466.325564757	Sum of GTIs [s]
			ontime8	2403.7422000319	Sum of GTIs [s]
			ontime9	2273.8957491666	Sum of GTIs [s]
			l1events	1542534	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	160841	405941	187879	417905	193591	176377	grade 0 events	80336	90272	92423	99935	95185	86095
rejected events	20407	49045	20786	33948	22191	21187		49%	22%	49%	23%	49%	48%
rejected %	12%	12%	11%	8%	11%	12%	grade 1 events	437	323	456	275	472	481
								0%	0%	0%	0%	0%	0%
							grade 2 events	24872	127322	29090	85966	30836	27720
								15%	31%	15%	20%	15%	15%
							grade 3 events	8792	23585	10328	39533	10940	9831
								5%	5%	5%	9%	5%	5%
							grade 4 events	8763	23513	10365	39598	10855	9836
								5%	5%	5%	9%	5%	5%
							grade 5 events	1297	8843	1511	6493	1575	1511
								0%	2%	0%	1%	0%	0%
							grade 6 events	19293	96565	26791	123289	25512	23475
								11%	23%	14%	29%	13%	13%
							grade 7 events	17051	35518	16915	22816	18216	17428
								10%	8%	9%	5%	9%	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	120.0113418763589
[deg] Pointing Dec	0	19.97337749911622
[deg] Pointing Roll	0.0	259.103271230832
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.8505141146731063
[mm] SIM translation stage pos	-190.132523	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	100326020.77401	100326020.00555
Observation start date	2001-03-07T04:20:21	2001-03-07T04:20:20
[s] Observation end time (MET)	100337976.374472	100337975.60601
Observation end date	2001-03-07T07:39:36	2001-03-07T07:39:35
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.466325564757

### A.2 Comments