

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 58861 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Apr 6 2012

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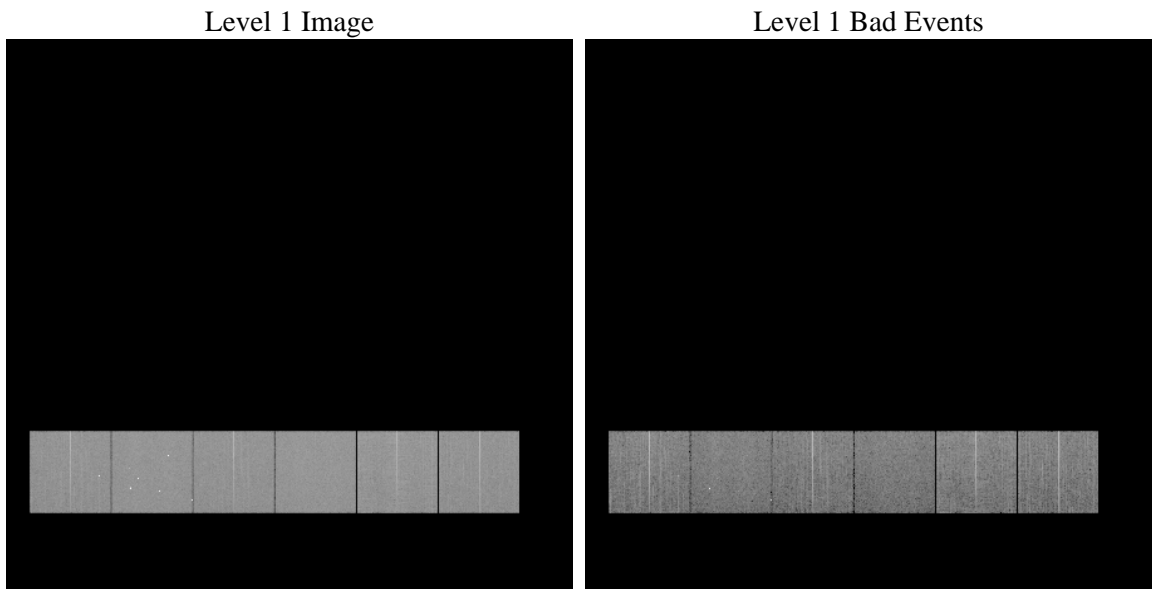
# 1 Front

seq_num	&#160	Sequence number
obs_id	58861	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	266.01654790889	Nominal RA [deg]
dec_nom	-19.025625503343	Nominal Dec [deg]
roll_nom	262.67776295384	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8172.7999696136	Sum of GTIs [s]
livetime	8069.311055329	Livetime [s]
ontime4	8172.7999696136	Sum of GTIs [s]
ontime5	8172.7999696136	Sum of GTIs [s]
ontime6	8172.7999696136	Sum of GTIs [s]
ontime7	8172.7999696136	Sum of GTIs [s]
ontime8	8172.7999696136	Sum of GTIs [s]
ontime9	8172.7999696136	Sum of GTIs [s]
l2events	889489	Number of level 2 events

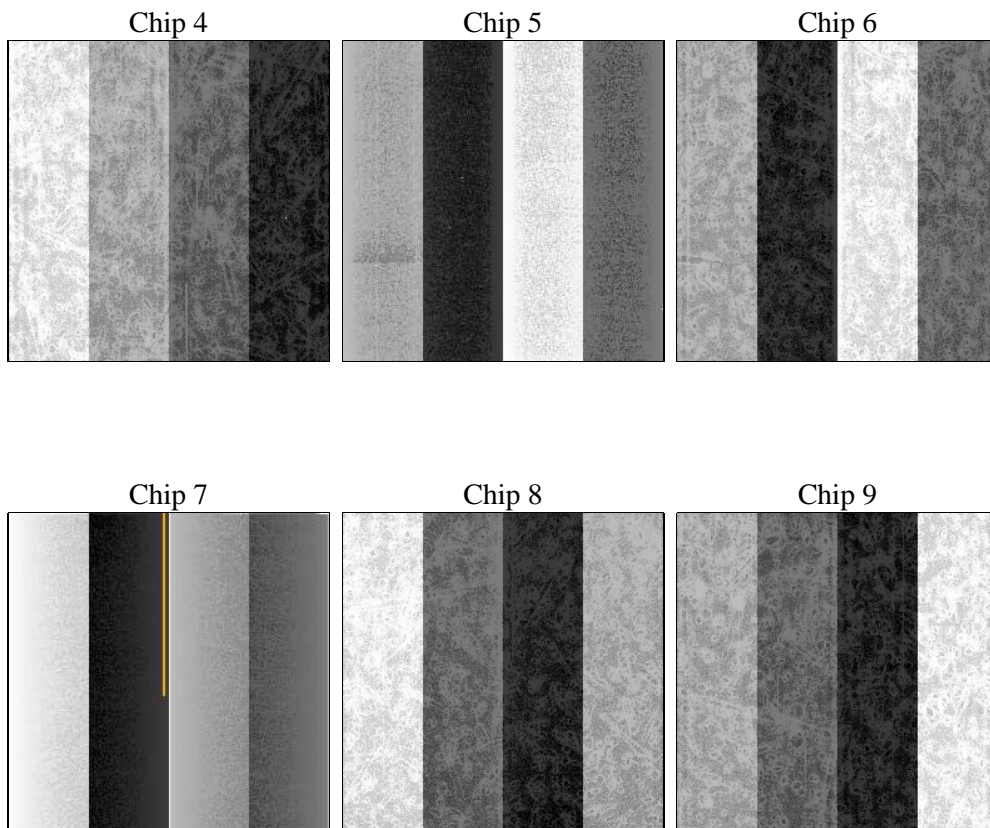
## 2 OBI

### 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	8.4.3.1	Processing system revision	ontime	8172.7999696136	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime4	8172.7999696136	Sum of GTIs [s]
date	2012-04-06T05:04:37	Date and time of file creation	ontime5	8172.7999696136	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8172.7999696136	Sum of GTIs [s]
			ontime7	8172.7999696136	Sum of GTIs [s]
			ontime8	8172.7999696136	Sum of GTIs [s]
			ontime9	8172.7999696136	Sum of GTIs [s]
			l1events	1408258	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	225951	245002	226291	242193	245824	222997	grade 0 events	85833	35829	83372	39785	87537	81016
rejected events	80947	71507	73041	63467	82342	75632		37%	14%	36%	16%	35%	36%
rejected %	35%	29%	32%	26%	33%	33%	grade 1 events	758	442	547	165	566	578
								0%	0%	0%	0%	0%	0%
							grade 2 events	22535	62784	27142	39091	29275	25734
								9%	25%	11%	16%	11%	11%
							grade 3 events	9807	9024	9840	17674	11146	9787
								4%	3%	4%	7%	4%	4%
							grade 4 events	9770	8836	9644	17623	11247	9781
								4%	3%	4%	7%	4%	4%
							grade 5 events	4066	10193	4173	10468	5343	4525
								1%	4%	1%	4%	2%	2%
							grade 6 events	18785	59150	25238	66792	26221	22859
								8%	24%	11%	27%	10%	10%
							grade 7 events	74397	58744	66335	50595	74489	68717
								32%	23%	29%	20%	30%	30%

## 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	266.0165479088865	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-19.02562550334258	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	262.6777629538399			
[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)	270299890.309615	270299889.28463			
Observation start date	2006-07-26T11:18:10	2006-07-26T11:18:09			
[s] Observation end time (MET)	270323986.010743	270323984.98576			
Observation end date	2006-07-26T17:59:46	2006-07-26T17:59:44			
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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1727999696136

### A.2 Comments