

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61935 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 1 2012

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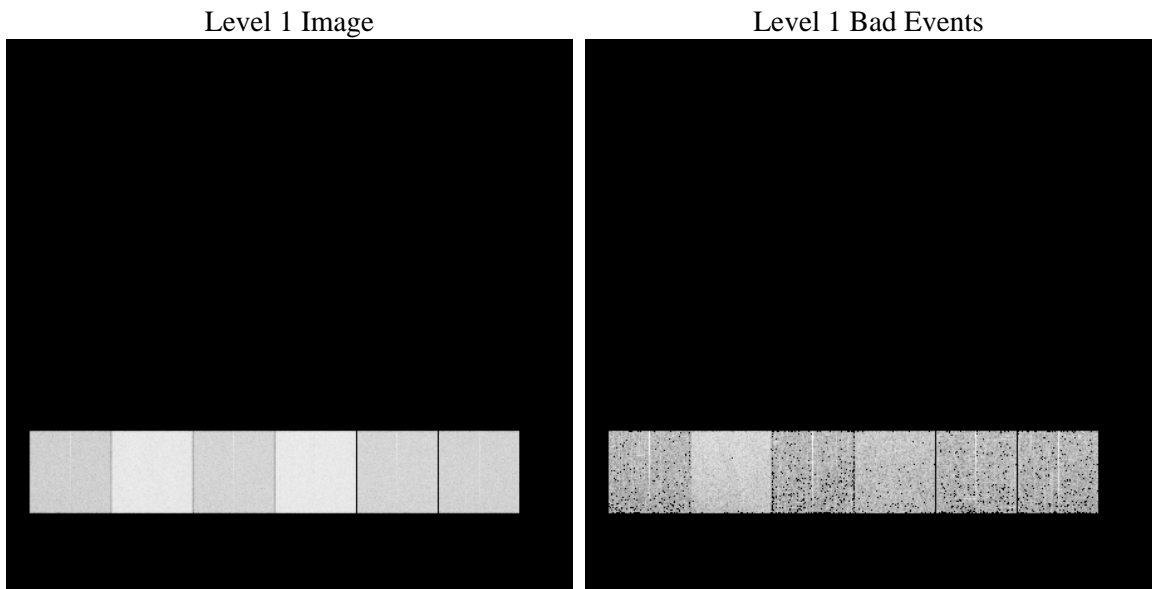
# 1 Front

seq_num	&#160	Sequence number
obs_id	61935	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	22.399637674954	Nominal RA [deg]
dec_nom	26.689466241984	Nominal Dec [deg]
roll_nom	128.16243680602	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4877.9672590196	Sum of GTIs [s]
livetime	4816.1995004267	Livetime [s]
ontime4	2045.1960309893	Sum of GTIs [s]
ontime5	5273.3236966133	Sum of GTIs [s]
ontime6	2252.5211292207	Sum of GTIs [s]
ontime7	4877.9672590196	Sum of GTIs [s]
ontime8	2262.2440996468	Sum of GTIs [s]
ontime9	2175.0016809851	Sum of GTIs [s]
l2events	1361489	Number of level 2 events

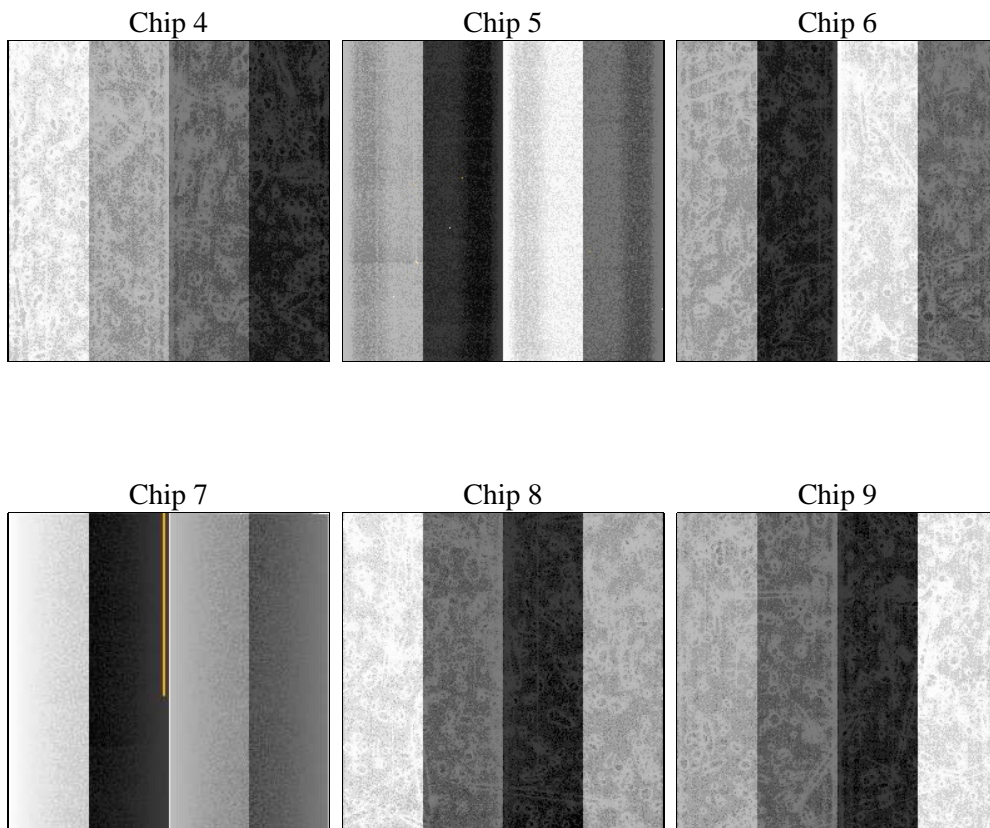
## 2 OBI

### 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	4877.9672590196	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	2045.1960309893	Sum of GTIs [s]
date	2012-09-01T18:01:07	Date and time of file creation	ontime5	5273.3236966133	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2252.5211292207	Sum of GTIs [s]
			ontime7	4877.9672590196	Sum of GTIs [s]
			ontime8	2262.2440996468	Sum of GTIs [s]
			ontime9	2175.0016809851	Sum of GTIs [s]
			l1events	1555471	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	168116	394736	197705	408999	200975	184940	grade 0 events	84950	81826	98601	98300	100803	91997
rejected events	18031	39786	17715	24305	19011	17706		50%	20%	49%	24%	50%	49%
rejected %	10%	10%	8%	5%	9%	9%	grade 1 events	463	254	488	245	464	451
								0%	0%	0%	0%	0%	0%
							grade 2 events	27131	133686	30861	85139	32010	29478
								16%	33%	15%	20%	15%	15%
							grade 3 events	8984	21598	11053	39418	11212	10521
								5%	5%	5%	9%	5%	5%
							grade 4 events	8921	21014	10984	38970	11376	10321
								5%	5%	5%	9%	5%	5%
							grade 5 events	1283	7941	1496	5487	1517	1420
								0%	2%	0%	1%	0%	0%
							grade 6 events	20343	97031	28491	123123	26563	25160
								12%	24%	14%	30%	13%	13%
							grade 7 events	16041	31386	15731	18317	17030	15592
								9%	7%	7%	4%	8%	8%

## 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	22.39963767495392	Alternating exposures requested	N	N
[deg] Pointing Dec	0	26.68946624198409	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	128.1624368060218			
[mm] SIM focus pos	-0.684267	-0.7809083437167272			
[mm] SIM defocus	0	0.7524282956875696			
[mm] SIM translation stage pos	-190.132523	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	84795624.03200001	84795623.26320601			
Observation start date	2000-09-08T10:20:24	2000-09-08T10:20:23			
[s] Observation end time (MET)	84806132.332	84806131.563601			
Observation end date	2000-09-08T13:15:32	2000-09-08T13:15:31			
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)	2012.09.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8779672590196

### A.2 Comments