

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 60026 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 9 2012

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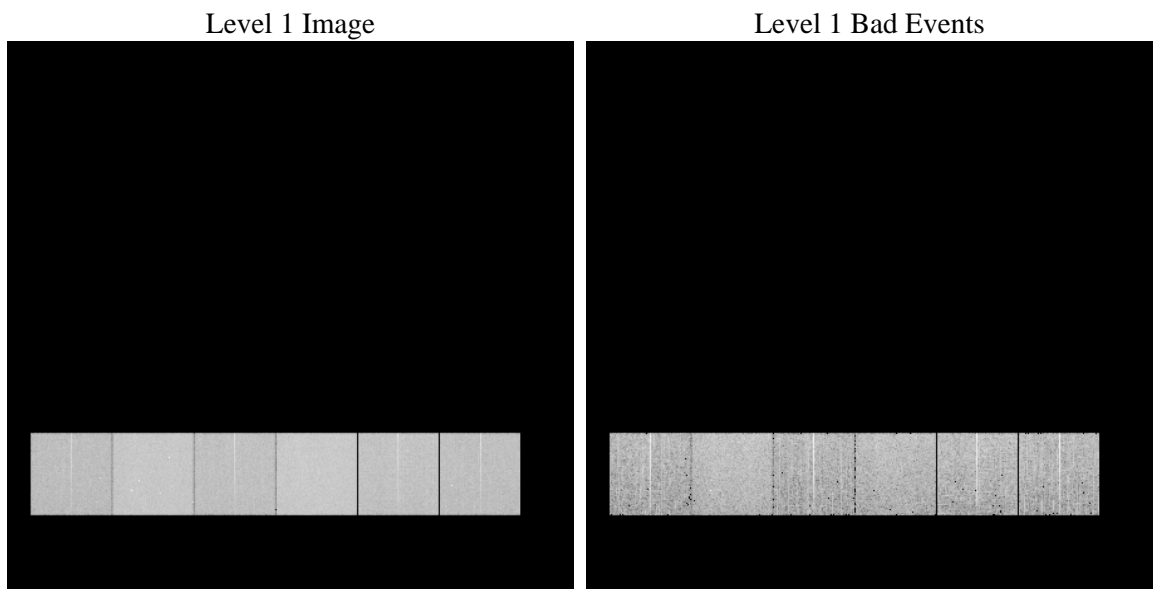
# 1 Front

seq_num	&#160	Sequence number
obs_id	60026	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	13.008349793337	Nominal RA [deg]
dec_nom	-7.9727728958174	Nominal Dec [deg]
roll_nom	39.079303983589	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6651.5912280679	Sum of GTIs [s]
livetime	6567.3647748307	Livetime [s]
ontime4	4702.7167404592	Sum of GTIs [s]
ontime5	6651.5501880646	Sum of GTIs [s]
ontime6	5011.5762450695	Sum of GTIs [s]
ontime7	6651.5912280679	Sum of GTIs [s]
ontime8	5167.060580343	Sum of GTIs [s]
ontime9	4862.6144326031	Sum of GTIs [s]
l2events	905050	Number of level 2 events

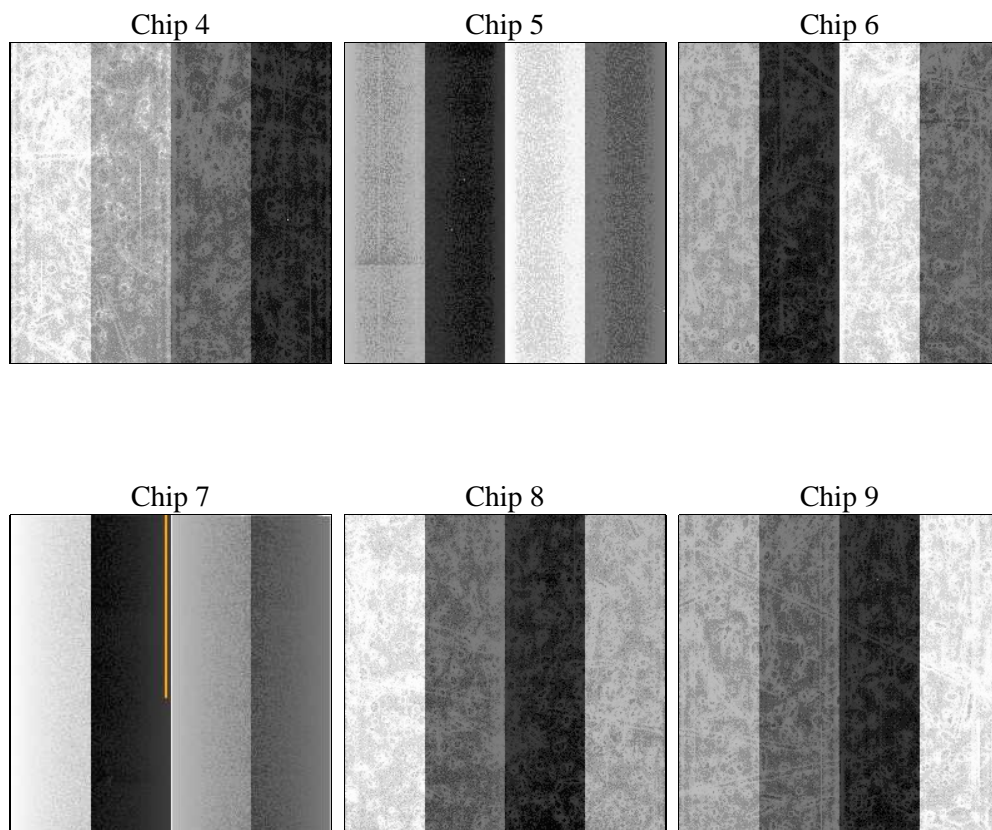
## 2 OBI

### 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	8.5	Processing system revision	ontime	6651.5912280679	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime4	4702.7167404592	Sum of GTIs [s]
date	2012-12-09T08:40:08	Date and time of file creation	ontime5	6651.5501880646	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5011.5762450695	Sum of GTIs [s]
			ontime7	6651.5912280679	Sum of GTIs [s]
			ontime8	5167.060580343	Sum of GTIs [s]
			ontime9	4862.6144326031	Sum of GTIs [s]
			l1events	1207987	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	165337	232259	184849	248508	199436	177598	grade 0 events	74157	37591	80190	49539	84696	75765
rejected events	37696	48366	37928	41712	43702	40172		44%	16%	43%	19%	42%	42%
rejected %	22%	20%	20%	16%	21%	22%	grade 1 events	578	179	433	148	488	497
								0%	0%	0%	0%	0%	0%
							grade 2 events	19841	68416	25436	45180	27306	23468
								12%	29%	13%	18%	13%	13%
							grade 3 events	8649	10501	9114	20608	9941	8828
								5%	4%	4%	8%	4%	4%
							grade 4 events	8592	10216	9058	20553	10121	8775
								5%	4%	4%	8%	5%	4%
							grade 5 events	2213	7473	2492	7362	3079	2581
								1%	3%	1%	2%	1%	1%
							grade 6 events	16402	57262	23217	71016	23750	20671
								9%	24%	12%	28%	11%	11%
							grade 7 events	34905	40621	34909	34102	40055	37013
								21%	17%	18%	13%	20%	20%

## 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	13.00834979333662	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-7.972772895817354	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	39.07930398358893			
[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)	212729585.969283	212729584.94427			
Observation start date	2004-09-28T03:33:06	2004-09-28T03:33:04			
[s] Observation end time (MET)	212750420.120216	212750419.0952			
Observation end date	2004-09-28T09:20:20	2004-09-28T09:20:19			
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)	2012.12.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.6515912280679

### A.2 Comments