

# V&V Reference Report

## L2 ASCDS Version : 8.5

Observation 59992 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Dec 10 2012

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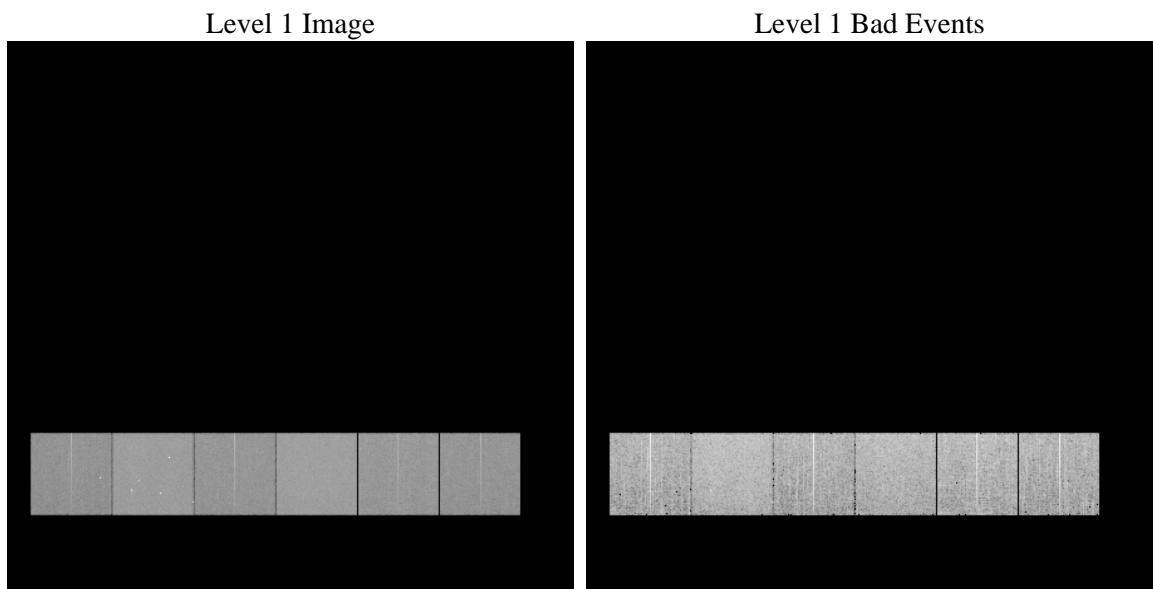
# 1 Front

seq_num	&#160	Sequence number
obs_id	59992	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	21.027128772402	Nominal RA [deg]
dec_nom	6.4896271769044	Nominal Dec [deg]
roll_nom	304.36782201384	Nominal Roll [deg]
revision	3	Processing version of data
ontime	8278.1115311384	Sum of GTIs [s]
livetime	8173.2890984508	Livetime [s]
ontime4	5652.7984655499	Sum of GTIs [s]
ontime5	8278.0704911351	Sum of GTIs [s]
ontime6	6032.0346134007	Sum of GTIs [s]
ontime7	8278.1115311384	Sum of GTIs [s]
ontime8	6278.2668734789	Sum of GTIs [s]
ontime9	5908.9999471009	Sum of GTIs [s]
l2events	1108587	Number of level 2 events

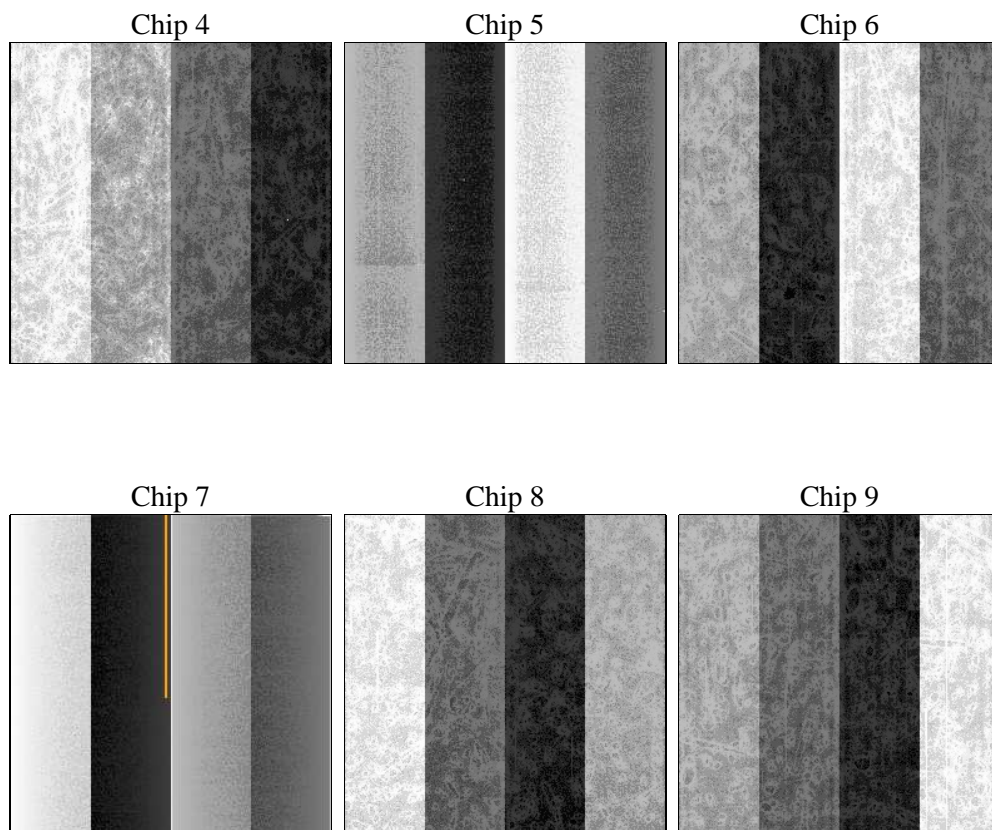
## 2 OBI

### 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	8278.1115311384	Sum of GTIs [s]
caldsver	4.5.4	&#160	ontime4	5652.7984655499	Sum of GTIs [s]
date	2012-12-10T13:47:21	Date and time of file creation	ontime5	8278.0704911351	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	6032.0346134007	Sum of GTIs [s]
			ontime7	8278.1115311384	Sum of GTIs [s]
			ontime8	6278.2668734789	Sum of GTIs [s]
			ontime9	5908.9999471009	Sum of GTIs [s]
			l1events	1497924	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	203516	298229	223785	311874	245206	215314	grade 0 events	90075	52233	95103	61960	101621	91131
rejected events	48625	62437	48051	54300	56324	49193		44%	17%	42%	19%	41%	42%
rejected %	23%	20%	21%	17%	22%	22%	grade 1 events	745	270	516	216	616	639
								0%	0%	0%	0%	0%	0%
							grade 2 events	24368	84612	30122	56343	33046	28596
								11%	28%	13%	18%	13%	13%
							grade 3 events	10365	13431	10940	25547	12355	10686
								5%	4%	4%	8%	5%	4%
							grade 4 events	10281	13111	10935	25663	12515	10542
								5%	4%	4%	8%	5%	4%
							grade 5 events	2780	9571	3073	9589	3962	3283
								1%	3%	1%	3%	1%	1%
							grade 6 events	19893	72499	28728	88171	29430	25259
								9%	24%	12%	28%	12%	11%
							grade 7 events	45009	52502	44368	44385	51661	45178
								22%	17%	19%	14%	21%	20%

## 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	21.02712877240248
[deg] Pointing Dec	0	6.489627176904403
[deg] Pointing Roll	0.0	304.3678220138401
[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)	215012597.27134	215012596.24635
Observation start date	2004-10-24T13:43:17	2004-10-24T13:43:16
[s] Observation end time (MET)	215036262.472399	215036261.44741
Observation end date	2004-10-24T20:17:42	2004-10-24T20:17:41
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	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.2781115311384

### A.2 Comments