

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61666 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 15 2012

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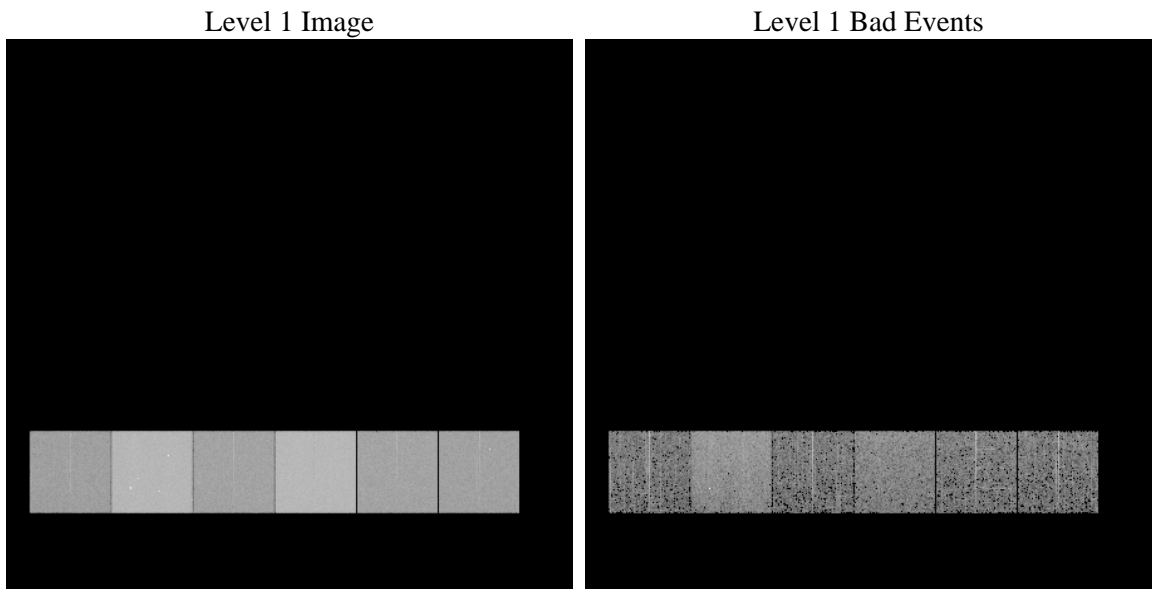
# 1 Front

seq_num	&#160	Sequence number
obs_id	61666	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	170.03147139189	Nominal RA [deg]
dec_nom	-35.012560303292	Nominal Dec [deg]
roll_nom	301.35492352898	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5043.0277618617	Sum of GTIs [s]
livetime	4979.1699077942	Livetime [s]
ontime4	2131.6914853454	Sum of GTIs [s]
ontime5	5418.1510445476	Sum of GTIs [s]
ontime6	2313.2305655479	Sum of GTIs [s]
ontime7	5043.0277618617	Sum of GTIs [s]
ontime8	2343.2699206471	Sum of GTIs [s]
ontime9	2229.0869646519	Sum of GTIs [s]
l2events	1248496	Number of level 2 events

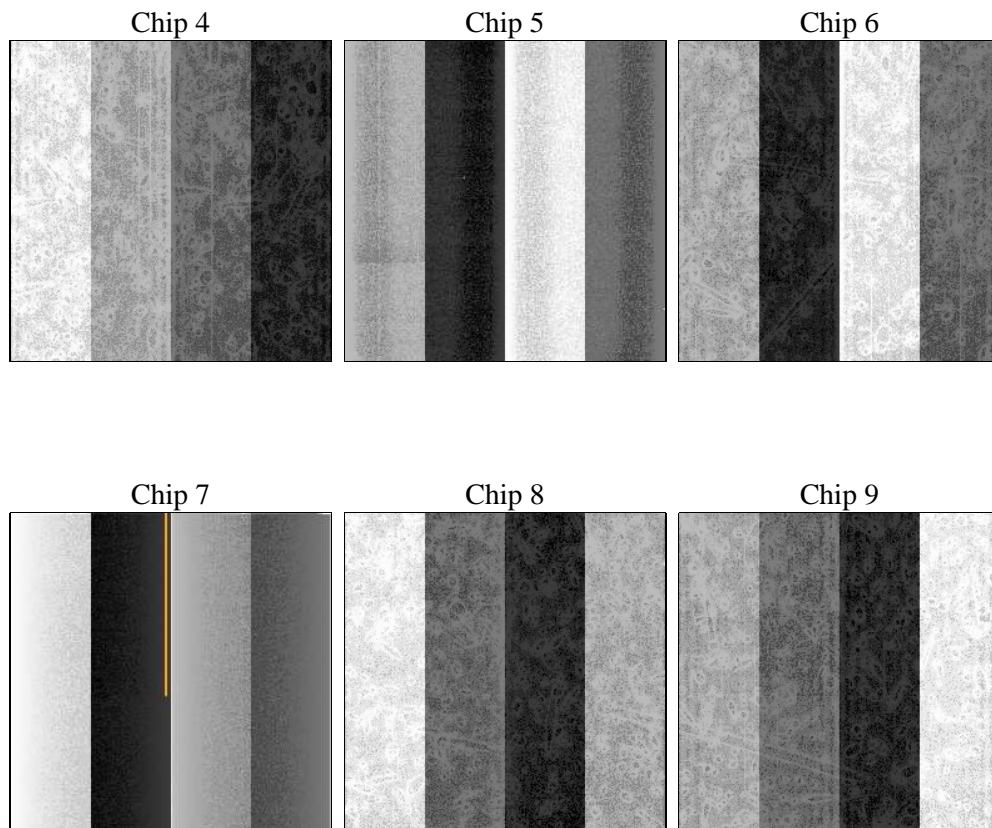
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5043.0277618617	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime4	2131.6914853454	Sum of GTIs [s]
date	2012-09-15T15:09:21	Date and time of file creation	ontime5	5418.1510445476	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2313.2305655479	Sum of GTIs [s]
			ontime7	5043.0277618617	Sum of GTIs [s]
			ontime8	2343.2699206471	Sum of GTIs [s]
			ontime9	2229.0869646519	Sum of GTIs [s]
			l1events	1432557	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	158344	362277	181792	374302	185427	170415	grade 0 events	79814	82627	89549	91524	91689	84094
rejected events	17199	35112	16706	22956	17858	16786		50%	22%	49%	24%	49%	49%
rejected %	10%	9%	9%	6%	9%	9%	grade 1 events	422	229	428	216	438	413
								0%	0%	0%	0%	0%	0%
							grade 2 events	25187	115435	28323	77668	29607	27081
								15%	31%	15%	20%	15%	15%
							grade 3 events	8367	21398	10302	35825	10647	9435
								5%	5%	5%	9%	5%	5%
							grade 4 events	8610	21411	10117	35239	10520	9454
								5%	5%	5%	9%	5%	5%
							grade 5 events	1187	6950	1467	5060	1427	1327
								0%	1%	0%	1%	0%	0%
							grade 6 events	19167	86294	26795	111090	25106	23565
								12%	23%	14%	29%	13%	13%
							grade 7 events	15590	27933	14811	17680	15993	15046
								9%	7%	8%	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	170.0314713918868	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-35.01256030329187	[s] Primary exposure time	3.2	3.2
[deg] Pointing Roll	0.0	301.3549235289792			
[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)	103709960.004986	103709959.23652			
Observation start date	2001-04-15T08:19:20	2001-04-15T08:19:19			
[s] Observation end time (MET)	103757470.806827	103757470.03836			
Observation end date	2001-04-15T21:31:11	2001-04-15T21:31:10			
Read mode	TIMED	TIMED			

## **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	5.0430277618617

### **A.2 Comments**