

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 61401 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Sep 28 2012

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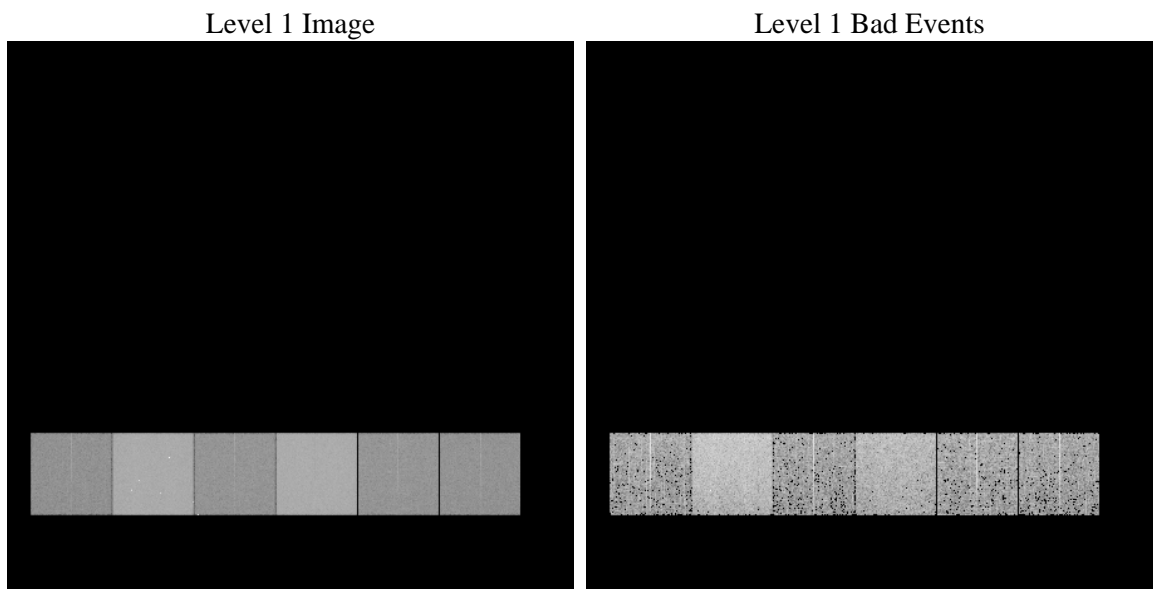
# 1 Front

seq_num	&#160	Sequence number
obs_id	61401	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	109.0122917385	Nominal RA [deg]
dec_nom	-55.97218740974	Nominal Dec [deg]
roll_nom	43.358380288064	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6034.3641068041	Sum of GTIs [s]
livetime	5957.9533550259	Livetime [s]
ontime4	2375.6802515686	Sum of GTIs [s]
ontime5	6468.6120421737	Sum of GTIs [s]
ontime6	2583.1061732471	Sum of GTIs [s]
ontime7	6034.3641068041	Sum of GTIs [s]
ontime8	2589.588004306	Sum of GTIs [s]
ontime9	2463.1879326999	Sum of GTIs [s]
l2events	1216872	Number of level 2 events

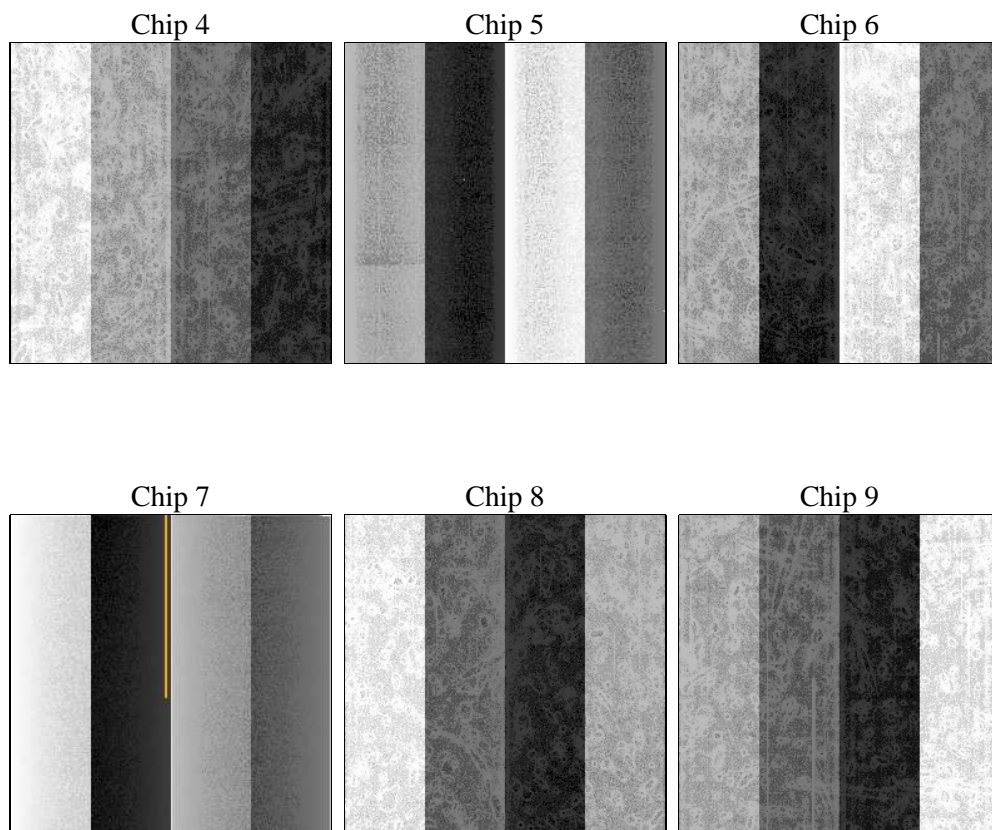
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6034.3641068041	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime4	2375.6802515686	Sum of GTIs [s]
date	2012-09-28T07:29:49	Date and time of file creation	ontime5	6468.6120421737	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2583.1061732471	Sum of GTIs [s]
			ontime7	6034.3641068041	Sum of GTIs [s]
			ontime8	2589.588004306	Sum of GTIs [s]
			ontime9	2463.1879326999	Sum of GTIs [s]
			l1events	1419485	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	150845	376900	173095	384535	174629	159481	grade 0 events	74551	85096	85474	90800	85160	77558
rejected events	19016	42173	17483	29778	20123	17727		49%	22%	49%	23%	48%	48%
rejected %	12%	11%	10%	7%	11%	11%	grade 1 events	361	291	399	216	384	358
								0%	0%	0%	0%	0%	0%
							grade 2 events	23121	116254	27066	79051	27305	25011
								15%	30%	15%	20%	15%	15%
							grade 3 events	8045	22392	9452	36030	9621	8813
								5%	5%	5%	9%	5%	5%
							grade 4 events	8263	21706	9432	35766	9833	8906
								5%	5%	5%	9%	5%	5%
							grade 5 events	1245	8148	1402	6192	1486	1387
								0%	2%	0%	1%	0%	0%
							grade 6 events	17849	89279	24188	113110	22587	21466
								11%	23%	13%	29%	12%	13%
							grade 7 events	17410	33734	15682	23370	18253	15982
								11%	8%	9%	6%	10%	10%

## 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	109.0122917385012	Alternating exposures requested	N	N
[deg] Pointing Dec	0	-55.97218740974	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	43.35838028806405			
[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)	123132072.819	123132072.05021			
Observation start date	2001-11-26T03:21:13	2001-11-26T03:21:12			
[s] Observation end time (MET)	123164184.02	123164183.2515			
Observation end date	2001-11-26T12:16:24	2001-11-26T12:16:23			
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)	2012.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0343641068041

### **A.2 Comments**