

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 62812 - L2 Version 2  
Chandra X-Ray Center

L2 Processing Date : Jun 9 2012

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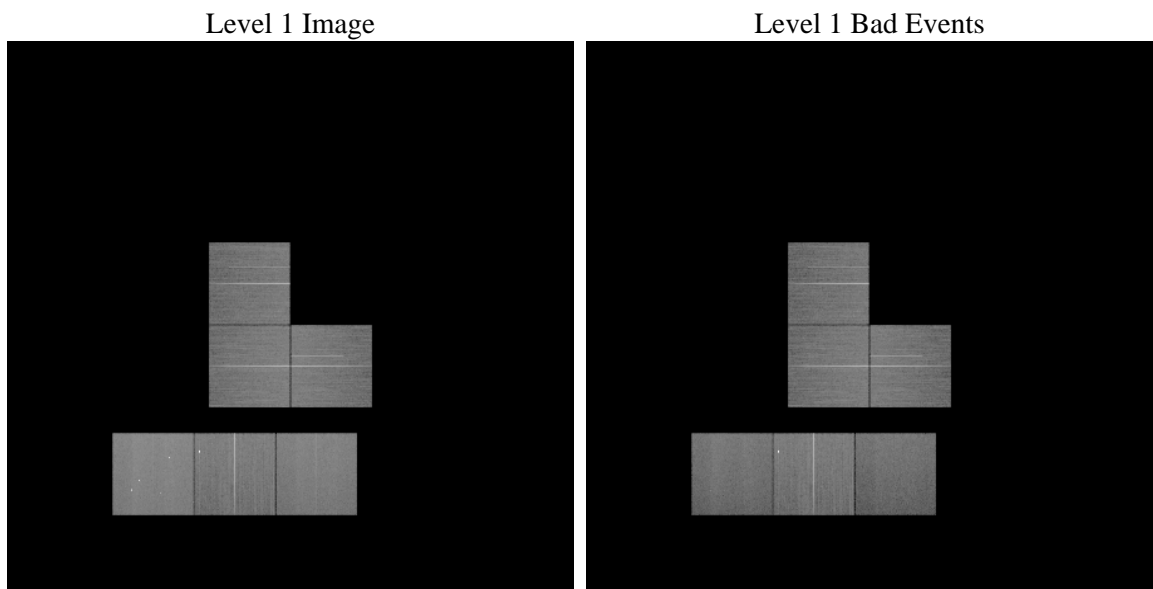
# 1 Front

seq_num	&#160	Sequence number
obs_id	62812	Observation id
title	ACIS-023567 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	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	192.66820013107	Nominal RA [deg]
dec_nom	27.649009718719	Nominal Dec [deg]
roll_nom	242.52329561561	Nominal Roll [deg]
revision	2	Processing version of data
ontime	33574.322968662	Sum of GTIs [s]
livetime	33149.184675202	Livetime [s]
ontime0	33574.158808649	Sum of GTIs [s]
ontime2	33574.199848652	Sum of GTIs [s]
ontime3	33570.999918342	Sum of GTIs [s]
ontime5	33574.281928658	Sum of GTIs [s]
ontime6	33571.123028338	Sum of GTIs [s]
ontime7	33574.322968662	Sum of GTIs [s]
l2events	437830	Number of level 2 events

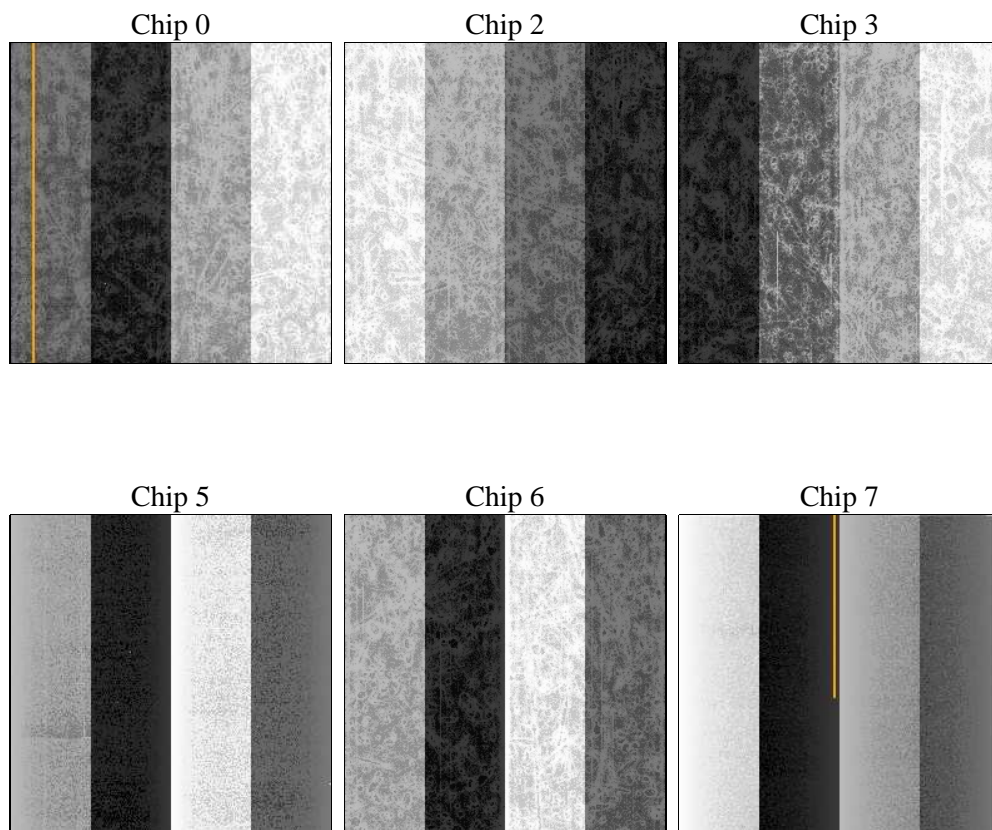
## 2 OBI

### 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	33574.322968662	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime0	33574.158808649	Sum of GTIs [s]
date	2012-06-09T08:05:26	Date and time of file creation	ontime2	33574.199848652	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	33570.999918342	Sum of GTIs [s]
			ontime5	33574.281928658	Sum of GTIs [s]
			ontime6	33571.123028338	Sum of GTIs [s]
			ontime7	33574.322968662	Sum of GTIs [s]
			l1events	1937080	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7		ccd 0	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	271232	304115	290696	416309	319149	335579	grade 0 events	9607	9766	8917	19889	10178	13650
rejected events	242277	275764	264040	209389	288756	183893		3%	3%	3%	4%	3%	4%
rejected %	89%	90%	90%	50%	90%	54%	grade 1 events	146	186	168	784	9894	399
								0%	0%	0%	0%	3%	0%
							grade 2 events	7292	6958	5899	61277	7112	30778
								2%	2%	2%	14%	2%	9%
							grade 3 events	3328	3132	3128	8341	3249	13743
								1%	1%	1%	2%	1%	4%
							grade 4 events	3039	3041	3035	8302	3175	13456
								1%	0%	1%	1%	0%	4%
							grade 5 events	10342	9769	11834	32733	12609	35462
								3%	3%	4%	7%	3%	10%
							grade 6 events	5741	5511	5717	109509	6741	80380
								2%	1%	1%	26%	2%	23%
							grade 7 events	231737	265752	251998	175474	266191	147711
								85%	87%	86%	42%	83%	44%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-023567	ACIS-023567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	192.6682001310665	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	27.64900971871917	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	242.5232956156119	[s] Primary exposure time	3.2	3.2
[mm] SIM focus pos	-1.429586	-1.038866356238299			
[mm] SIM defocus	0.1037507710433287	0.001426264420575141			
[mm] SIM translation stage pos	250.455976	51.99855475156236			
[mm] SIM translation stage offset	0	74.98693414003921			
[s] Observation start time (MET)	361710523.546032	361710522.52103			
Observation start date	2009-06-18T11:08:44	2009-06-18T11:08:42			
[s] Observation end time (MET)	361745949.597803	361745948.5728			
Observation end date	2009-06-18T20:59:10	2009-06-18T20:59:08			
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)	2012.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.574322968662

### A.2 Comments