

# V&V Reference Report

## L2 ASCDS Version : 10

Observation 53626 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Jun 17 2013

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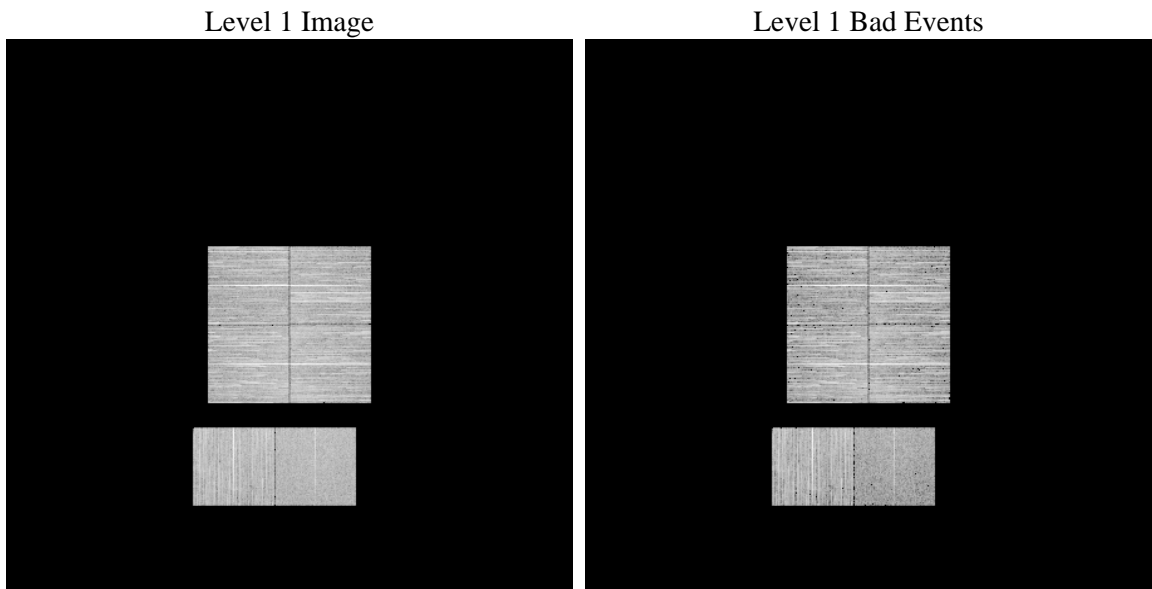
# 1 Front

seq_num	&#160	Sequence number
obs_id	53626	Observation id
title	ACIS-012367 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	245.65715966385	Nominal RA [deg]
dec_nom	1.417178036078	Nominal Dec [deg]
roll_nom	216.0105752689	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5663.9999789596	Sum of GTIs [s]
livetime	5592.2790007746	Livetime [s]
ontime0	5638.8810555339	Sum of GTIs [s]
ontime1	5645.4041755199	Sum of GTIs [s]
ontime2	5642.2041755319	Sum of GTIs [s]
ontime3	5645.28105551	Sum of GTIs [s]
ontime6	5639.0041755438	Sum of GTIs [s]
ontime7	5663.9999789596	Sum of GTIs [s]
l2events	140489	Number of level 2 events

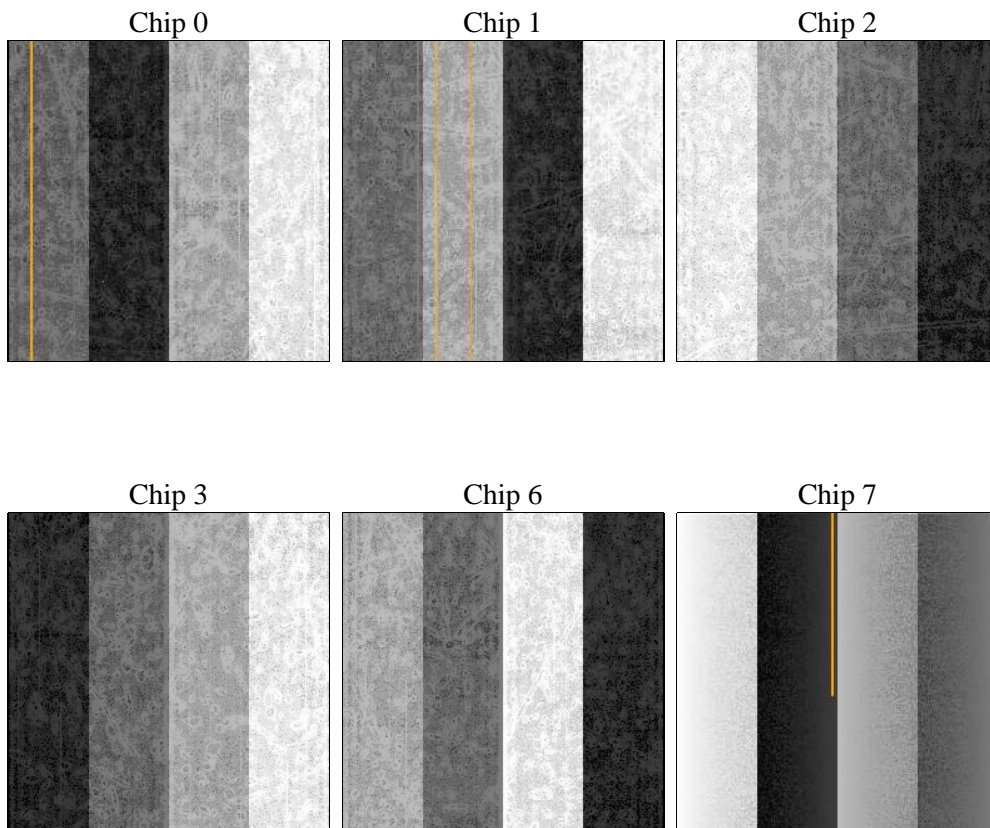
## 2 OBI

### 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	10	Processing system revision	ontime	5663.9999789596	Sum of GTIs [s]
caldsver	4.5.6	&#160	ontime0	5638.8810555339	Sum of GTIs [s]
date	2013-06-17T14:49:44	Date and time of file creation	ontime1	5645.4041755199	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5642.2041755319	Sum of GTIs [s]
			ontime3	5645.28105551	Sum of GTIs [s]
			ontime6	5639.0041755438	Sum of GTIs [s]
			ontime7	5663.9999789596	Sum of GTIs [s]
			l1events	588103	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	92808	95744	106915	103354	103892	85390	grade 0 events	11378	10820	11642	11619	11605	5734
rejected events	71150	74114	85223	81583	80974	46364		12%	11%	10%	11%	11%	6%
rejected %	76%	77%	79%	78%	77%	54%	grade 1 events	58	59	68	75	59	71
								0%	0%	0%	0%	0%	0%
							grade 2 events	4356	4534	4153	4242	4730	9962
								4%	4%	3%	4%	4%	11%
							grade 3 events	1515	1508	1519	1487	1542	3243
								1%	1%	1%	1%	1%	3%
							grade 4 events	1410	1520	1540	1582	1509	3334
								1%	1%	1%	1%	1%	3%
							grade 5 events	1928	1902	1935	2205	2039	5135
								2%	1%	1%	2%	1%	6%
							grade 6 events	3414	3683	3225	3228	4010	18001
								3%	3%	3%	3%	3%	21%
							grade 7 events	68749	71718	82833	78916	78398	39910
								74%	74%	77%	76%	75%	46%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	245.6571596638514
[deg] Pointing Dec	0	1.417178036078037
[deg] Pointing Roll	0.0	216.0105752689033
SIM focus pos (mm)	-1.4281808131	-1.4281808131
[mm] SIM defocus	0.1051557500557434	0.1051557500557434
SIM translation stage pos (mm)	250.4660330802	250.4660330802
[mm] SIM translation stage offset	-0.01005726120527584	-0.01005726120527584
[s] Observation start time (MET)	487818014.859624	487818014.859624
Observation start date	2013-06-17T01:00:15	2013-06-17T01:00:14
[s] Observation end time (MET)	487825372.941634	487825372.941634
Observation end date	2013-06-17T03:02:53	2013-06-17T03:02:52
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	OVERRIDE	OVERRIDE
Number of optional ACIS chips dropped	0	0
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)	2013.06.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.6639999789596

### A.2 Comments