

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 53808 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Apr 6 2013

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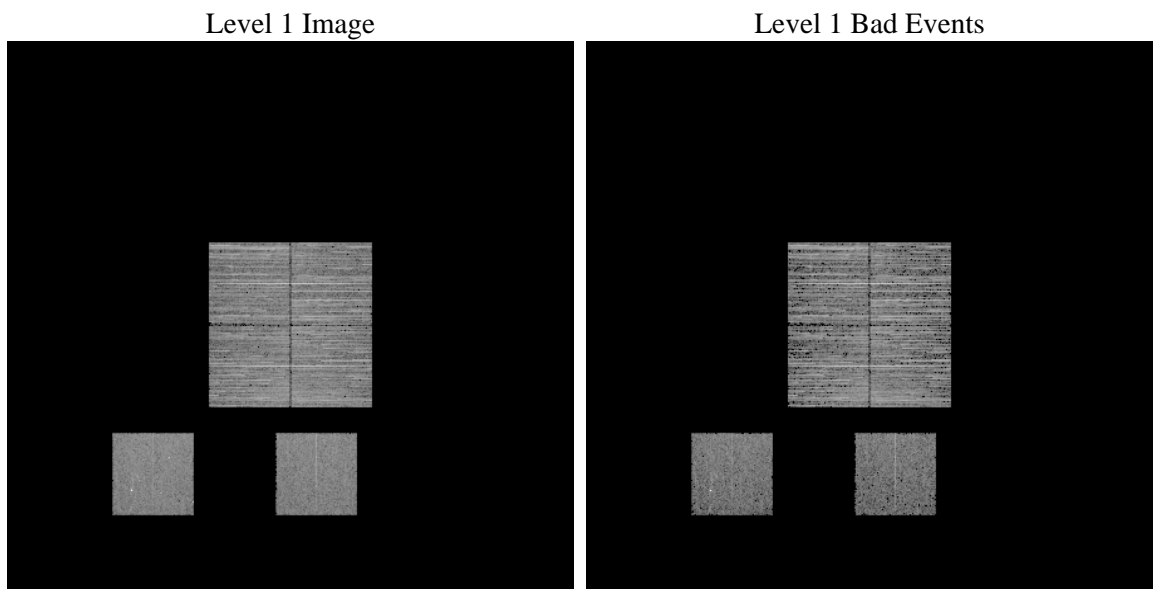
# 1 Front

seq_num	&#160	Sequence number
obs_id	53808	Observation id
title	ACIS-012357 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	225.89641541135	Nominal RA [deg]
dec_nom	-3.9998319622383	Nominal Dec [deg]
roll_nom	95.960567183209	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3215.9999880791	Sum of GTIs [s]
livetime	3175.2770597873	Livetime [s]
ontime0	3215.9999880791	Sum of GTIs [s]
ontime1	3215.9999880791	Sum of GTIs [s]
ontime2	3215.9999880791	Sum of GTIs [s]
ontime3	3215.9999880791	Sum of GTIs [s]
ontime5	3215.9999880791	Sum of GTIs [s]
ontime7	3215.9999880791	Sum of GTIs [s]
l2events	97196	Number of level 2 events

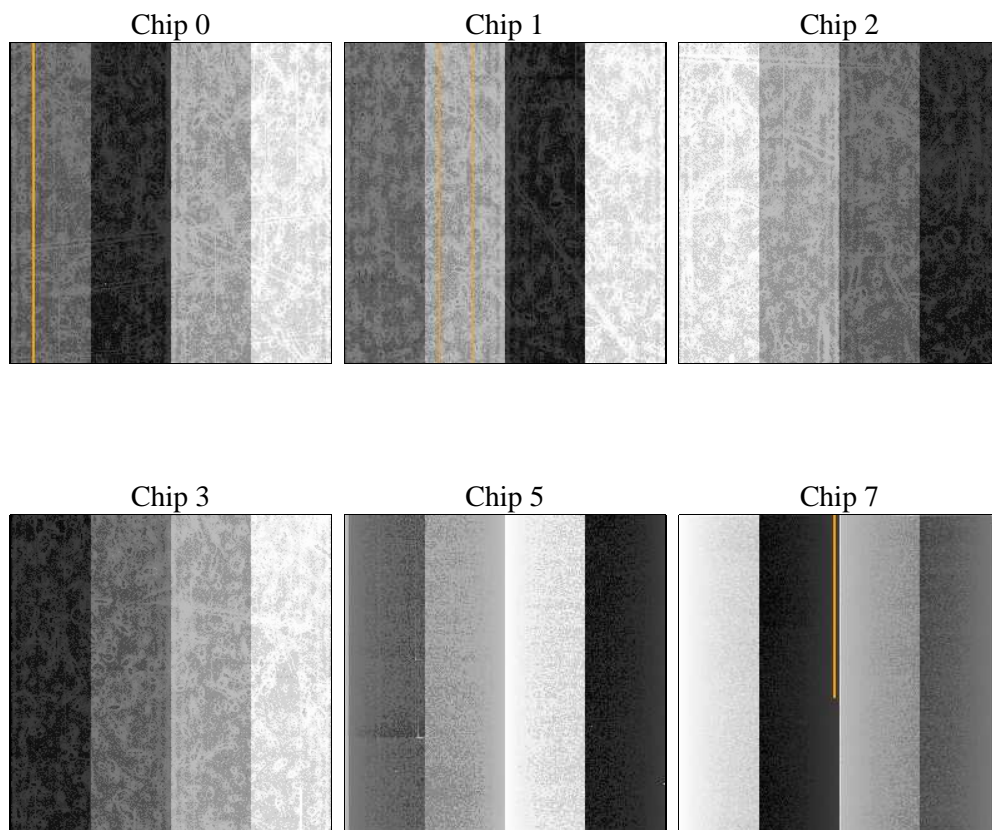
## 2 OBI

### 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	8.5.1.1	Processing system revision	ontime	3215.9999880791	Sum of GTIs [s]
caldsver	4.5.6	&#160	ontime0	3215.9999880791	Sum of GTIs [s]
date	2013-04-06T19:24:11	Date and time of file creation	ontime1	3215.9999880791	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3215.9999880791	Sum of GTIs [s]
			ontime3	3215.9999880791	Sum of GTIs [s]
			ontime5	3215.9999880791	Sum of GTIs [s]
			ontime7	3215.9999880791	Sum of GTIs [s]
			l1events	367111	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	63156	64258	63547	66064	57758	52328	grade 0 events	6974	6758	6938	7076	3190	3687
rejected events	50185	50995	50548	52862	31744	28170		11%	10%	10%	10%	5%	7%
rejected %	79%	79%	79%	80%	54%	53%	grade 1 events	39	33	64	39	57	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	2532	2794	2573	2531	9684	6078
								4%	4%	4%	3%	16%	11%
							grade 3 events	860	884	919	871	1027	2074
								1%	1%	1%	1%	1%	3%
							grade 4 events	862	971	861	993	974	2004
								1%	1%	1%	1%	1%	3%
							grade 5 events	1229	1241	1122	1339	3222	3273
								1%	1%	1%	2%	5%	6%
							grade 6 events	2022	2149	1977	1999	11717	10881
								3%	3%	3%	3%	20%	20%
							grade 7 events	48638	49428	49093	51216	27887	24302
								77%	76%	77%	77%	48%	46%

## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	SECONDARY	SECONDARY
[deg] Pointing RA	0	225.8964154113472
[deg] Pointing Dec	0	-3.999831962238312
[deg] Pointing Roll	0.0	95.96056718320872
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)	481620329.473638	481620329.473638
Observation start date	2013-04-06T07:25:29	2013-04-06T07:25:29
[s] Observation end time (MET)	481624876.743955	481624876.743955
Observation end date	2013-04-06T08:41:17	2013-04-06T08:41:16
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)	2013.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.2159999880791

### A.2 Comments