

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 54084 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Dec 19 2012

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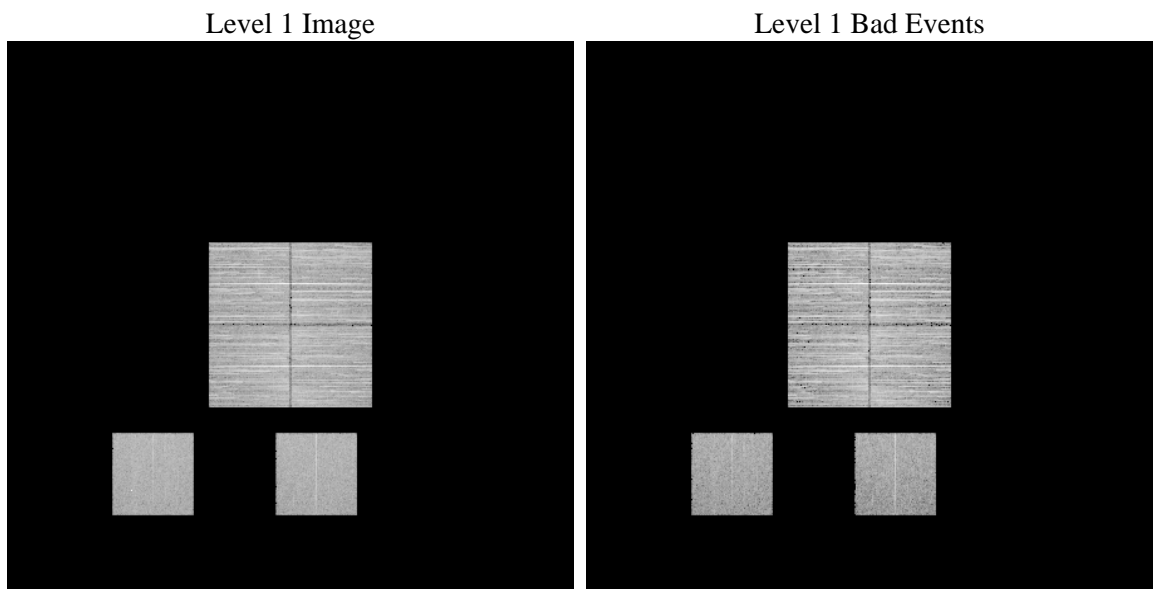
# 1 Front

seq_num	&#160	Sequence number
obs_id	54084	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	81.027600276798	Nominal RA [deg]
dec_nom	0.010062175199541	Nominal Dec [deg]
roll_nom	346.06668995634	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5708.7999787927	Sum of GTIs [s]
livetime	5636.5117160345	Livetime [s]
ontime0	5708.7999787927	Sum of GTIs [s]
ontime1	5708.7999787927	Sum of GTIs [s]
ontime2	5708.7999787927	Sum of GTIs [s]
ontime3	5708.7999787927	Sum of GTIs [s]
ontime5	5708.7999787927	Sum of GTIs [s]
ontime7	5708.7999787927	Sum of GTIs [s]
l2events	175120	Number of level 2 events

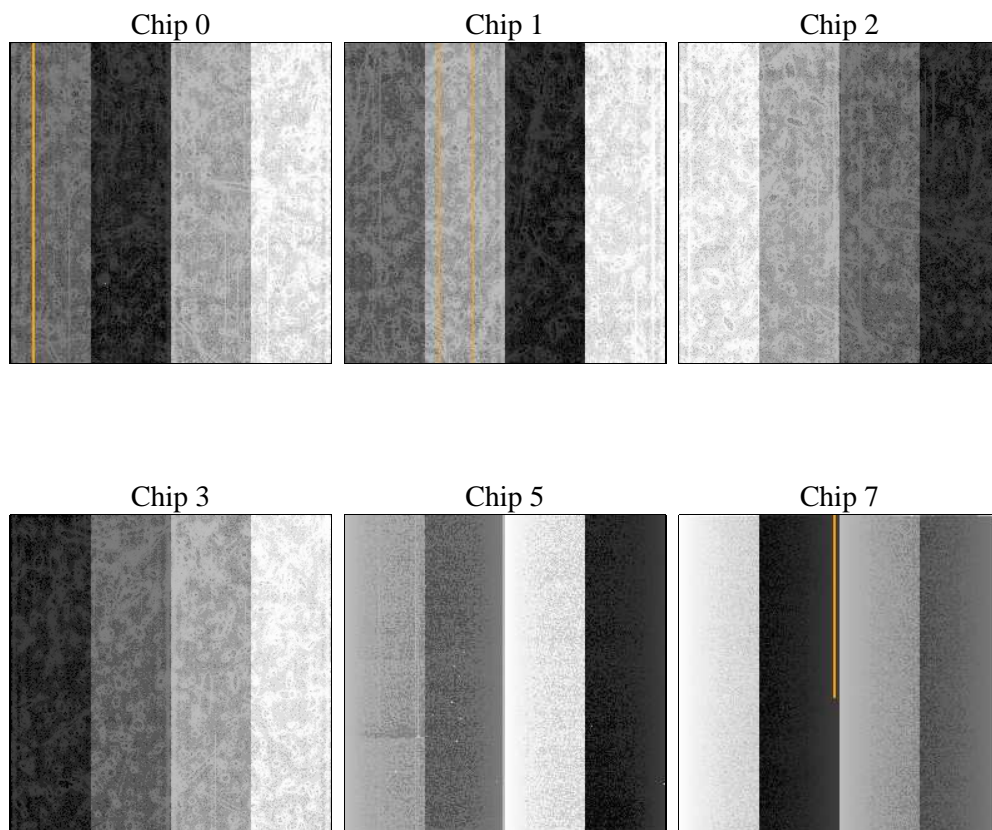
## 2 OBI

### 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	5708.7999787927	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	5708.7999787927	Sum of GTIs [s]
date	2012-12-19T21:45:12	Date and time of file creation	ontime1	5708.7999787927	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5708.7999787927	Sum of GTIs [s]
			ontime3	5708.7999787927	Sum of GTIs [s]
			ontime5	5708.7999787927	Sum of GTIs [s]
			ontime7	5708.7999787927	Sum of GTIs [s]
			l1events	656559	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	116590	117742	116334	118052	95222	92619	grade 0 events	12224	11128	12643	12808	3683	5962
rejected events	92272	93551	91767	93495	51640	49958		10%	9%	10%	10%	3%	6%
rejected %	79%	79%	78%	79%	54%	53%	grade 1 events	53	40	58	80	99	67
								0%	0%	0%	0%	0%	0%
							grade 2 events	5228	6059	4983	4833	16407	10767
								4%	5%	4%	4%	17%	11%
							grade 3 events	1551	1472	1594	1595	1418	3179
								1%	1%	1%	1%	1%	3%
							grade 4 events	1511	1476	1732	1639	1353	3213
								1%	1%	1%	1%	1%	3%
							grade 5 events	2019	1924	1832	2209	3937	4989
								1%	1%	1%	1%	4%	5%
							grade 6 events	3816	4069	3627	3682	20753	19574
								3%	3%	3%	3%	21%	21%
							grade 7 events	90188	91574	89865	91206	47572	44868
								77%	77%	77%	77%	49%	48%

## 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	81.02760027679754
[deg] Pointing Dec	0	0.01006217519954072
[deg] Pointing Roll	0.0	346.066689956344
[mm] SIM focus pos	-1.429586	-1.428180813131781
[mm] SIM defocus	0.1037507710433287	0.1051558262725154
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	472276623.71906	472276622.69406
Observation start date	2012-12-19T03:57:04	2012-12-19T03:57:02
[s] Observation end time (MET)	472284231.269444	472284230.24444
Observation end date	2012-12-19T06:03:51	2012-12-19T06:03:50
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
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	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.7087999787927

### A.2 Comments