

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 53934 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Feb 19 2013

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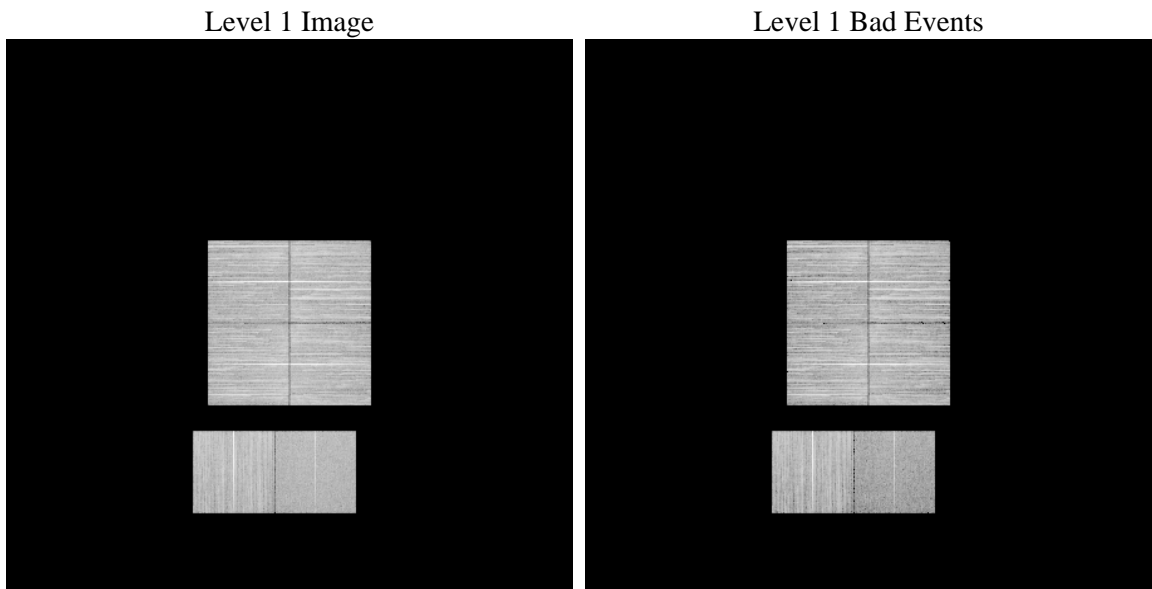
# 1 Front

seq_num	&#160	Sequence number
obs_id	53934	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	173.00533124238	Nominal RA [deg]
dec_nom	10.348829282127	Nominal Dec [deg]
roll_nom	88.885961305975	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8155.2887783051	Sum of GTIs [s]
livetime	8052.0216012688	Livetime [s]
ontime0	8155.2477383018	Sum of GTIs [s]
ontime1	8155.2066982985	Sum of GTIs [s]
ontime2	8155.1656582952	Sum of GTIs [s]
ontime3	8155.3298183084	Sum of GTIs [s]
ontime6	8155.1246182919	Sum of GTIs [s]
ontime7	8155.2887783051	Sum of GTIs [s]
l2events	218447	Number of level 2 events

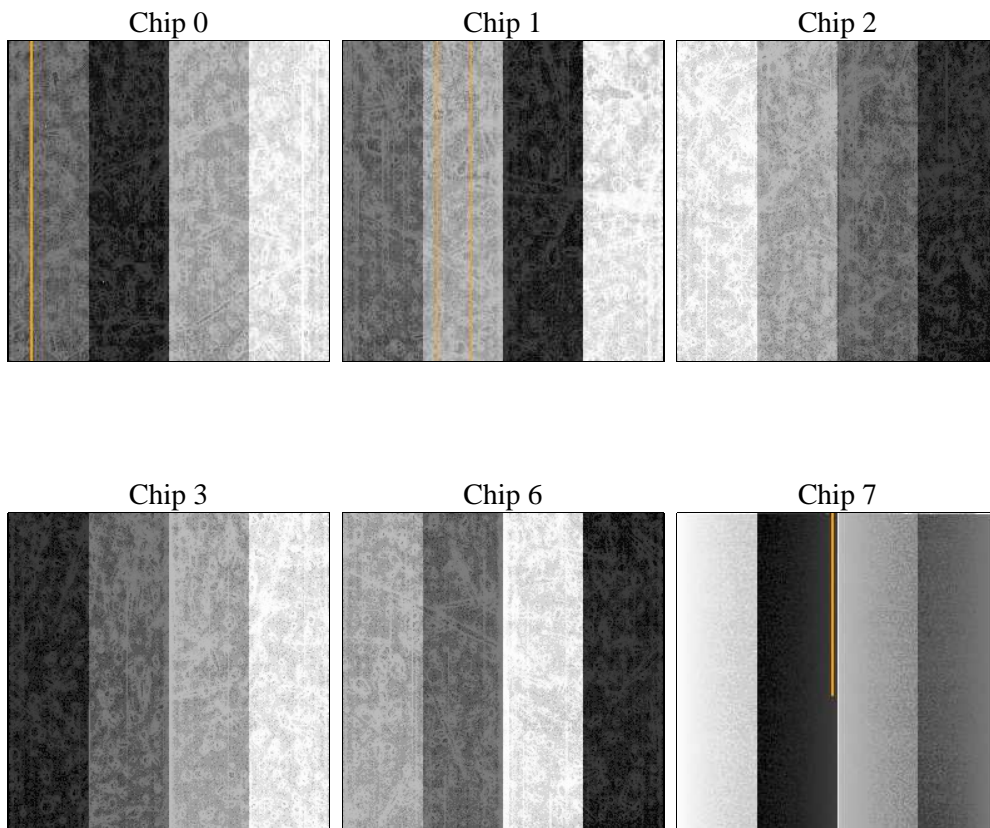
## 2 OBI

### 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	8155.2887783051	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime0	8155.2477383018	Sum of GTIs [s]
date	2013-02-19T20:17:37	Date and time of file creation	ontime1	8155.2066982985	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8155.1656582952	Sum of GTIs [s]
			ontime3	8155.3298183084	Sum of GTIs [s]
			ontime6	8155.1246182919	Sum of GTIs [s]
			ontime7	8155.2887783051	Sum of GTIs [s]
			l1events	1041679	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	173625	186971	187886	179616	177034	136547	grade 0 events	15907	13981	16911	16939	13614	8194
rejected events	139916	153207	153852	145403	141926	75893		9%	7%	9%	9%	7%	6%
rejected %	80%	81%	81%	80%	80%	55%	grade 1 events	83	68	86	107	67	98
								0%	0%	0%	0%	0%	0%
							grade 2 events	8575	10304	7949	8023	11381	15278
								4%	5%	4%	4%	6%	11%
							grade 3 events	2100	1834	2099	2187	1812	4662
								1%	0%	1%	1%	1%	3%
							grade 4 events	2054	1877	2174	2137	1712	4479
								1%	1%	1%	1%	0%	3%
							grade 5 events	2764	2594	2670	3162	2771	7373
								1%	1%	1%	1%	1%	5%
							grade 6 events	5591	6338	5415	5458	7161	29001
								3%	3%	2%	3%	4%	21%
							grade 7 events	136551	149975	150582	141603	138516	67462
								78%	80%	80%	78%	78%	49%

## 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	173.0053312423846
[deg] Pointing Dec	0	10.34882928212732
[deg] Pointing Roll	0.0	88.88596130597543
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)	477531530.452509	477531530.452509
Observation start date	2013-02-17T23:38:50	2013-02-17T23:38:50
[s] Observation end time (MET)	477543129.576736	477543129.576736
Observation end date	2013-02-18T02:52:10	2013-02-18T02:52:09
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)	2013.02.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.1552887783051

### A.2 Comments