

# V&V Reference Report

## L2 ASCDS Version : 10.0.1

Observation 53362 - L2 Version 1  
Chandra X-Ray Center

L2 Processing Date : Sep 28 2013

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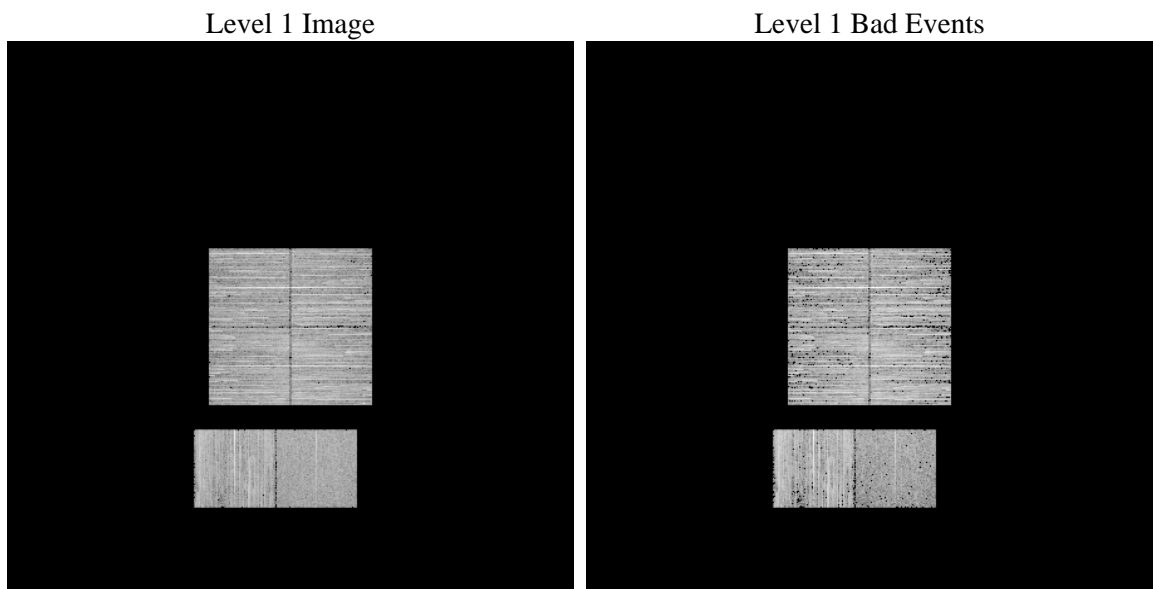
# 1 Front

seq_num	&#160	Sequence number
obs_id	53362	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	0.011267569235201	Nominal RA [deg]
dec_nom	-24.956051330737	Nominal Dec [deg]
roll_nom	349.88782958292	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3702.3999862671	Sum of GTIs [s]
livetime	3655.5179683234	Livetime [s]
ontime0	3598.6861017942	Sum of GTIs [s]
ontime1	3592.2040013671	Sum of GTIs [s]
ontime2	3595.4450414181	Sum of GTIs [s]
ontime3	3605.168181777	Sum of GTIs [s]
ontime6	3605.1681714654	Sum of GTIs [s]
ontime7	3702.3999862671	Sum of GTIs [s]
l2events	84979	Number of level 2 events

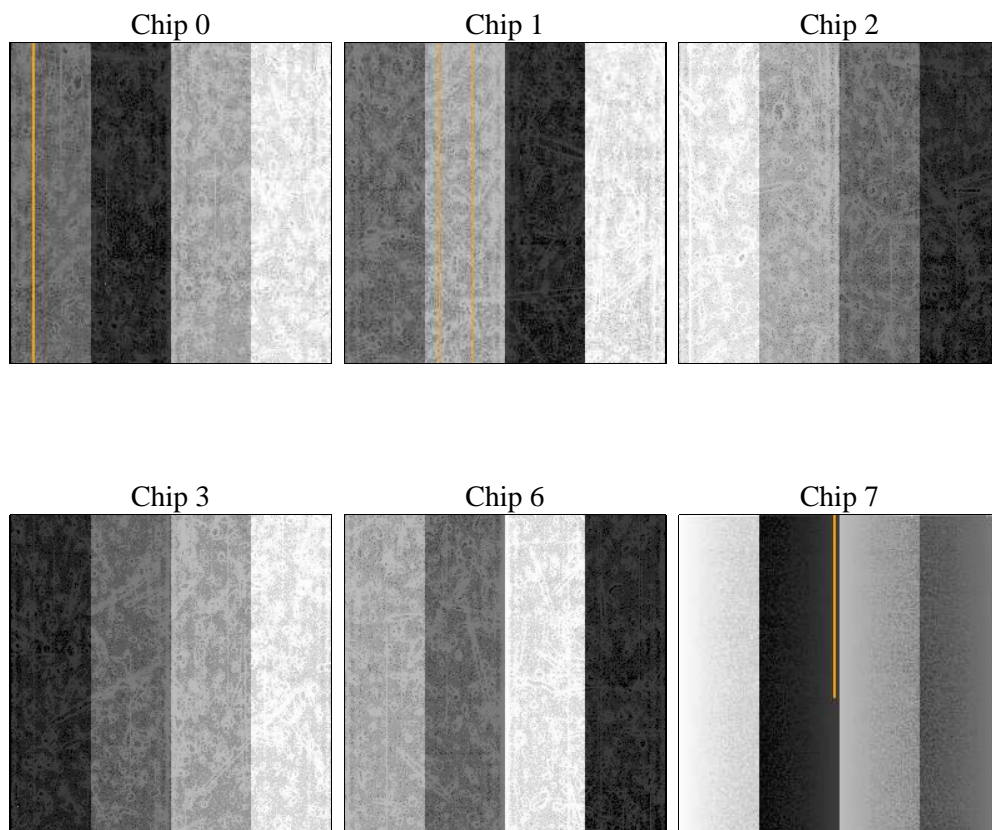
## 2 OBI

### 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	10	Processing system revision	ontime	3702.3999862671	Sum of GTIs [s]
caldsver	4.5.8	&#160	ontime0	3598.6861017942	Sum of GTIs [s]
date	2013-09-28T16:14:27	Date and time of file creation	ontime1	3592.2040013671	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	3595.4450414181	Sum of GTIs [s]
			ontime3	3605.168181777	Sum of GTIs [s]
			ontime6	3605.1681714654	Sum of GTIs [s]
			ontime7	3702.3999862671	Sum of GTIs [s]
			l1events	387734	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	61996	65556	66485	71246	68036	54415	grade 0 events	6494	6136	6880	7125	6288	3407
rejected events	49137	52640	53139	57782	54706	30066		10%	9%	10%	10%	9%	6%
rejected %	79%	80%	79%	81%	80%	55%	grade 1 events	34	26	32	36	25	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	2579	2900	2576	2564	3057	6115
								4%	4%	3%	3%	4%	11%
							grade 3 events	856	800	900	854	796	1870
								1%	1%	1%	1%	1%	3%
							grade 4 events	881	792	912	907	844	1883
								1%	1%	1%	1%	1%	3%
							grade 5 events	1196	1181	1131	1331	1248	3114
								1%	1%	1%	1%	1%	5%
							grade 6 events	2054	2293	2096	2014	2356	11074
								3%	3%	3%	2%	3%	20%
							grade 7 events	47902	51428	51958	56415	53422	26913
								77%	78%	78%	79%	78%	49%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	SECONDARY	SECONDARY	On-chip summing requested	N	N
[deg] Pointing RA	0	0.01126756923520134	Subarray requested	NONE	NONE
[deg] Pointing Dec	0	-24.95605133073735	Alternating exposures requested	N	N
[deg] Pointing Roll	0.0	349.8878295829203	[s] Primary exposure time	3.2	3.2
[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)	496729531.395158	496729530.37016			
Observation start date	2013-09-28T04:25:31	2013-09-28T04:25:30			
[s] Observation end time (MET)	496733791.29539	496733790.27039			
Observation end date	2013-09-28T05:36:31	2013-09-28T05:36:30			
Read mode	TIMED	TIMED			

## 2.3 Star Slots

## 2.4 FID Slots

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.7023999862671

### A.2 Comments